

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH AT NEW DELHI.**

O.A. No. 728/2023

IN THE MATTER OF;
COURT ON ITS OWN MOTION.

-----PETITIONER

Vs.

The State of Himachal Pradesh and others.

---RESPONDENTS

Index

Sr. No.	Particulars	Page No.
1.	AFFIDAVIT OF MEMBER SECRETARY HPGWA-CUM-SUPERINTENDING ENGINEER, P&I (II)	01-7
2.	Annexure R-1: Ground Water Sample Report regarding Fluoride	08-73
3.	Annexure R-2: Ground Water Sample Report regarding Arsenic.	74-150

Place: Shimla

Dated: 30-03-2024


Respondent

Member Secretary,
H.P. Ground Water Authority
Jai Shakti, Bhawan, Shimla-5

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH AT NEW DELHI.**

Original Application No.728/2023

In re of:-News Item appearing in Hindustan dated 30-11-2023 titled
"Arsenic found in groundwater in 25 States, fluoride in 27 States; Govt."

AFFIDAVIT OF MEMBER SECRETARY HPGWA-CUM-SUPERINTENDING ENGINEER, P&I (II), TUTIKANDI SHIMLA-5 INDICATING STATUS OF FLUORIDE & ARSENIC LEVEL W.R.TO THE MONITRING SITES MENTIONED BY THE CENTRAL GROUND WATER BOARD IN HIMACHAL PRADESH.

MAY IT PLEASE YOUR LORDSHIP:-

I, Sumit Sood, S/o Sh. K. L. Sood, age about 53 yrs, presently working as Member Secretary HPGWA-cum- Superintending Engineer, P&I (II), Tutikandi, Shimla-5, H.P. do hereby solemnly declare and affirm on oath as under:

Preliminary Submissions:

1. That the above noted O.A. is pending adjudication before the Hon'ble NGT.
2. That the above noted O.A. was listed for hearing on 20-12-2023 when the Hon'ble NGT has impleaded the State of Himachal Pradesh through Chief Secretary to the GoHP as respondent amongst others wherein the Hon'ble NGT has passed the following orders and the relevant portion of which is reproduced as under:

Member Secretary,
H.P. Ground Water Authority,
Jai Shakti, Bhawan, Shimla-5

4. That it is respectfully submitted that accordingly the concerned Executive Engineer Jal Shakti Vibhag has conducted ground water sampling through M/s. Eco Paryavaran Laboratories and Consultants Pvt. Ltd. Mohali, a NABL Accredited Laboratory at following 21 locations for Fluoride which are as under:

- (a) LWSS Trilokpur (Tubewell), LWSS Kheri (Tap), LWSS Nahan Town (Tubewell), LWSS Kala Amb (Tubewell), LWSS Moginand (Tubewell), LWSS Bankabara (Tubewell), LWSS Khara (Tubewell), Moginand (Hand pump), Daulatpur Irrigation Pump House (Tap), Daulatpur Water Supply Scheme (Tap), Dangoh Irrigation Scheme (Tap), Babehr Parmar Basti (Handpump), Babehr Water Supply Scheme (Tap), Ishpur Mohalla Bharai (Tap), Ispur Govt. Sr. Sec. School (Tap), Ispur Mohalla Tanda (Tap), Ispur Mohalla Pathak (Tap), Rampur Water Supply Scheme (Tap), Rampur House No. 55 (Tap), Abada Barana Irrigation Scheme (Tap) & Sunehra

(Tap) where the said agency submitted report that in all the tests conducted for the ground water samples Fluoride is reported to be within the acceptable limit i.e.1.0 for Fluoride.

- (b) Ground Water Sampling at following 25 locations for Arsenic i.e. Mand Milani Govt. Sr. Sec. School (Borewell), Majwan LWSS (Borewell), Ghandran LWSS (Borewell), Malkana LWSS (Borewell), Paral Govt. Sr. Sec. School (Handpump), Paral LWSS (Borewell), Barota LWSS (Borewell), Basantpur LWSS (Borewell), Khanpur LWSS (Borewell), Milwan LWSS (Borewell), Mohtali Old LWSS (Borewell), Mohtali New LWSS (Borewell), Surajpur Mohtali LWSS (Borewell), Uleherian (3 HP-Borewell), Uleherian (25 HP- Borewell), Ulehrian Radha Swami Satsang (Borewell), Jagir (Near Rajesh Electrical Shop Handpump), Mohalla Utkyal Near Shiv Temple (Handpump), Sathana near KCC Bank (Handpump),

— 5 —

Sathana Mohalla Dahu near House of Ram Kumar (Handpump), Sathana near Radha Swami Satsang (Handpump), Sathana Mohalla Changol near Shiv Temple (Handpump), Sathana Tubewell No. 36, Ray Sathana near Nursery (Borewell) & Jagir WSS (Public Tap) where the said agency submitted report that in all the tests conducted for the ground water samples Arsenic is reported to be within the acceptable limit i.e. 0.01 for Arsenic.

(c) It is pertinent to submit here that Ground water sampling for Fluoride was conducted at 8 locations in surroundings of monitoring station Trilokpur of CGWB in District Sirmour.

(d) Similarly, Ground water sampling for Fluoride was conducted at 13 locations in surroundings of monitoring stations Daulatpur, Babehr, Ishpur & Jankaur of CGWB in District Una.

(e) Furthermore, ground water sampling for Arsenic was conducted at 25 locations supra in surroundings

of monitoring stations Jagir & Uleherian of CGWB
in District Kangra.

5. That it is respectfully submitted that in all the tests conducted for the ground water samples for Fluoride and Arsenic are reported to be within the acceptable limit i.e.1.0 for Fluoride and 0.01 for Arsenic, copies of reports for ground water sample for Fluoride & Arsenic are Annexed as Annexure-R-1 & R-2 for kind perusal of this Hon'ble Tribunal.
6. That it is respectfully submitted that regular water sampling at all the water supply schemes of Jal Shakti Vibhag is carried out annually as per standard water quality sampling protocol in the department all abs. Besides, regular ground water sampling in the pre and post monsoon period, henceforth for this and upcoming years shall be conducted at all the reported sites as a protective measure so that the water quality is monitored regularly.

Member Secretary,
H.P. Ground Water Authority,
Jal Shakti, Bhawan, Shimla-5

— 7 —

It is therefore respectfully prayed that the aforesaid response to the order dated 20-12-2023 may kindly be taken into record, as such since the level of Fluoride & Arsenic is within the acceptable limit on the said sites, and even in the surrounding sites as per the sampling conducted by M/s. Eco Paryavaran Laboratories and Consultants Pvt. Ltd. Mohali, a NABL Accredited Laboratory, therefore, the instant O.A. is not maintainable against the respondent State, as such deserve dismissal qua the respondent State of Himachal Pradesh in the interest of justice.


DEPONENT.**VERIFICATION:**

Member Secretary,
H.P. Ground Water Authority,
Jai Shakti, Bhawan, Shimla-5

I, the above named deponent, do hereby solemnly declare that the contents as contained in above paras of this affidavit are true and correct to the best of my personal knowledge and information as derived from official records. No part of it is false and nothing material has been concealed therefrom.

Verified at Shimla on this...^{30th}.....day of March, 2024.


DEPONENT

Member Secretary,
H.P. Ground Water Authority,
Jai Shakti, Bhawan, Shimla-5

Himachal Pradesh
Jal Shakti Vibhag

No. SE/JSCN/2023-24-
To

11267-71

Dated:- 21/3/24

The Chairman HPGWA-cum-
Engineer-in-Chief,
Jal Shakti Vibhag,
Jal Shakti Bhawan, Shimla-5.

Subject:- Notice in Original application No 728/2023

It is with reference to your office letter No. JSV-Member Secy HPGWA-cum-SE P&I-II/2023-24-1136-1145 dated 05/02/2024 & even file letter NO 1325-1340 dated 12/02/2024 regarding subject cited above. In this regard it is submitted that as per standard water quality sampling protocol in the department, tests at departmental lab are regularly conducted for all water supply schemes and till date no report of occurrence of fluoride above permissible limit had been reported.

In compliance to your office letter regarding Notice by Hon'ble NGT, fresh water sampling of water supply schemes and local sources in areas where the CGWB had reported occurrence of fluoride from their monitoring station were conducted by Eco Paryavaran Laboratories and consultants Pvt Ltd Mohali. In all, for the one site reported by CGWB in village Trilokpur sampling for 8 locations was done in the surrounding area of the reported contaminated source and all the tests conducted by CGWB were conducted by M/s Eco Paryavaran Lab Mohali.

The report of the analysis of the water sampling by M/s Eco Paryavaran Lab Mohali is attached for your kind perusal. The report indicates that fluoride is below the acceptable limit of 1.0 ppm/mg/l at all the sites. In view of the water quality analysis report it is submitted that there is no occurrence of fluoride above the acceptable/permissible limits in the reported place in district Sirmour. It is further assured that regular water quality monitoring in the area will be ensured and if any occurrence is reported in future proper remedial measures will be taken as needed. Scheme wise latitude and longitude is also sent herewith as per annexure A attached for your information.

DA: As above

[Signature]
Superintending Engineer,
Jal Shakti Circle, Nahan,
Himachal Pradesh.

Copy to the Chief Engineer (SZ) Jal Shakti Vibhag, Jal Shakti Bhawan, Shimla-5 for information and further necessary action please
Copy to the Member Secretary HPGWA cum SE P&I-II, Jal Shakti Vibhag, Jal Shakti Bhawan, Shimla-5 for information and further necessary action please.
Copy to the Senior Hydrogeologist, Ground Water Organisation, JSV Una, for information please

Copy to the Executive Engineer JSV Division Nahan for information and direction to regularly monitor water quality in the area. W.S.T. his letter no. 18196-99 21/03/24

[Signature]
Superintending Engineer,
Jal Shakti Circle, Nahan,
Himachal Pradesh.

FR
EEGWA

SEP 21-11

21/03/2024

Annexure A

Sr. No	Name of Schemes	Latitude	Longitude
1	LWSS trilokpur (Tube well)	30.322978	77.123096
2	LWSS Kheri (Tap)	30.524397	77.198789
3	LWSS Nahan Town (Tube well)	30.524406	77.199191
4	LWSS Kalaamb (Tube well)	30.499570	77.212345
5	LWSS Moginand (Tube well)	30.514268	77.239290
6	LWSS Bankabara (Tube well)	30.516628	77.142159
7	LWSS Khara (Tube well)	30.495382	77.212288
8	Patwar khana Hand pump village Moginand	30.514853	77.238654


Superintending Engineer,
Jal Shakti Circle, Nahan,



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000002022F		Test Report No. : NWAL060324NA001	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell (LWSS Trilokpur)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G1		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	pH @ 25 °C	-	6.85	0.5	IS 3025 (Part 11)
2	Oil & Grease	mg/l	BDL		IS 3025 (Part 39)
3	Aluminium as Al	mg/l	BDL	0.001	USEPA 3015A
4	Ammonia as NH ₃ -N	mg/l	BDL	5	IS 3025 (Part 34) Cl 2.5-Titrimetric Method
5	Copper as Cu	mg/l	BDL	0.001	USEPA 3015A
6	Fluoride as F	mg/l	0.35	0.1	IS 3025 (Part 60)
7	Iron as Fe	mg/l	0.002	0.001	USEPA 3015A
8	Manganese as Mn	mg/l	0.004	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	13	1	IS 3025 (Part 34) -Cl 3.3 Chromotropic Acid Method
10	Sulphate as SO ₄	mg/l	14	1	IS 3025 (Part 24) Cl 4.0 Turbidity Method
11	Chemical Oxygen Demand (COD)	mg/l	BDL	5	IS 3025 (Part 58)
12	Biochemical Oxygen Demand (BOD)	mg/l	BDL	2	IS 3025 (Part 44) BOD 3 Days at 27°C
13	Zinc as Zn	mg/l	0.079	0.001	USEPA 3015A
14	Lead as Pb	mg/l	BDL	0.001	USEPA 3015A
15	Nickel as Ni	mg/l	BDL	0.001	USEPA 3015A
16	Arsenic as As	mg/l	BDL	0.001	USEPA 3015A
17	Sodium as Na	mg/l	24.3	1	IS 3025 (Part 45)

Lata Thakur

Authorized Signatory-Biological

Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/2



ULR No. : TC1181824000002022F	Test Report No. : NWAL060324NA001
Type of Sample : Water- Ground Water	

II. Biological Testing
2. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Total Coliform	Present or Absent/100 ml	Absent	-	IS 15185
2	E. coli	Present or Absent/100 ml	Absent	-	IS 15185
3	Thermotolerant Coliform (F. coliforms)	Present or Absent/100 ml	Absent	-	APHA 24th Ed 9222D

Remarks : NA Latitude = 30.322978N; Longitude = 77.123096E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

(Signature)
Iata Thakur

Authorized Signatory-Biological

(Signature)
Umesh Kumar
Authorized Signatory-Chemical

TEST REPORT

ULR No. : NA		Test Report No. : NWAL060324NA001/A	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell (LWSS Trilokpur)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G1		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Potassium as K	mg/l	2.1	1	IS 3025 (Part 45)

Remarks : This report is the part of Test Report No. NWAL060324NA001.

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC118182400002023F		Test Report No. : NWAL060324NA002	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	From Tap (House No.137, Shivcharan House) VIII. Kheri		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G2		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	pH @ 25 °C	-	7.36	0.5	IS 3025 (Part 11)
2	Oil & Grease	mg/l	BDL		IS 3025 (Part 39)
3	Aluminium as Al	mg/l	0.1	0.001	USEPA 3015A
4	Ammonia as NH ₃ -N	mg/l	BDL	5	IS 3025 (Part 34) Cl 2.5-Titrimetric Method
5	Copper as Cu	mg/l	BDL	0.001	USEPA 3015A
6	Fluoride as F	mg/l	0.40	0.1	IS 3025 (Part 60)
7	Iron as Fe	mg/l	0.005	0.001	USEPA 3015A
8	Manganese as Mn	mg/l	0.002	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	13	1	IS 3025 (Part 34) -Cl 3.3 Chromotropic Acid Method
10	Sulphate as SO ₄	mg/l	12	1	IS 3025 (Part 24) Cl 4.0 Turbidity Method
11	Chemical Oxygen Demand (COD)	mg/l	BDL	5	IS 3025 (Part 58)
12	Biochemical Oxygen Demand (BOD)	mg/l	BDL	2	IS 3025 (Part 44) BOD 3 Days at 27°C
13	Zinc as Zn	mg/l	0.015	0.001	USEPA 3015A
14	Lead as Pb	mg/l	BDL	0.001	USEPA 3015A
15	Nickel as Ni	mg/l	BDL	0.001	USEPA 3015A
16	Arsenic as As	mg/l	BDL	0.001	USEPA 3015A
17	Sodium as Na	mg/l	26.2	1	IS 3025 (Part 45)

Lata Thakur

Authorized Signatory-Biological

Vinay Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.B.2-W

Page No. 1/2

ECO BHAVAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



ULR No. : TC1181824000002023F	Test Report No. : NWAL060324NA002
Type of Sample : Water- Ground Water	

II. Biological Testing

2. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Total Coliform	Present or Absent/100 ml	Absent	-	IS 15185
2	E. coli	Present or Absent/100 ml	Absent	-	IS 15185
3	Thermotolerant Coliform (F. coliforms)	Present or Absent/100 ml	Absent	-	APHA 24th Ed 9222D

Remarks : NA Latitude = 30.524397N; Longitude = 77.198789E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Lata Thakur

Authorized Signatory-Biological



Umesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL060324NA002/A	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	From Tap (House No.137, Shivcharan House) Vill. Kheri		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G2		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Potassium as K	mg/l	2.3	1	IS 3025 (Part 45)

Remarks : This report is the part of Test Report No. NWAL060324NA002.

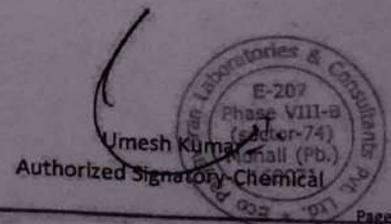
OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Water- EL-FMT-7.8.2-W



Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000002024F		Test Report No. : NWAL060324NA003	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell LWSS Nahan Town, Vill. Kheri		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G3		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	pH @ 25 °C	-	7.56	0.5	IS 3025 (Part 11)
2	Oil & Grease	mg/l	BDL		IS 3025 (Part 39)
3	Aluminium as Al	mg/l	0.002	0.001	USEPA 3015A
4	Ammonia as NH ₃ -N	mg/l	BDL	5	IS 3025 (Part 34) Cl 2.5-Titrimetric Method
5	Copper as Cu	mg/l	0.266	0.001	USEPA 3015A
6	Fluoride as F	mg/l	0.35	0.1	IS 3025 (Part 60)
7	Iron as Fe	mg/l	0.002	0.001	USEPA 3015A
8	Manganese as Mn	mg/l	0.003	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	13	1	IS 3025 (Part 34) -Cl 3.3 Chromotropic Acid Method
10	Sulphate as SO ₄	mg/l	15	1	IS 3025 (Part 24) Cl 4.0 Turbidity Method
11	Chemical Oxygen Demand (COD)	mg/l	BDL	5	IS 3025 (Part 58)
12	Biochemical Oxygen Demand (BOD)	mg/l	BDL	2	IS 3025 (Part 44) BOD 3 Days at 27°C
13	Zinc as Zn	mg/l	0.012	0.001	USEPA 3015A
14	Lead as Pb	mg/l	BDL	0.001	USEPA 3015A
15	Nickel as Ni	mg/l	BDL	0.001	USEPA 3015A
16	Arsenic as As	mg/l	BDL	0.001	USEPA 3015A
17	Sodium as Na	mg/l	16.7	1	IS 3025 (Part 45)

Lata Thakur

Authorized Signatory-Biological

Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

ECO PARYAVARAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



ULR No. : TC118182400002024F	Test Report No. : NWAL060324NA003
Type of Sample : Water- Ground Water	

II. Biological Testing

2. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Total Coliform	Present or Absent/100 ml	Absent	-	IS 15185
2	E. coli	Present or Absent/100 ml	Absent	-	IS 15185
3	Thermotolerant Coliform (F. coliforms)	Present or Absent/100 ml	Absent	-	APHA 24th Ed 9222D

Remarks : NA Latitude = 30.524406N; Longitude = 77.199191E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Lata Thakur

Authorized Signatory-Biological

Umesh Kumar
E-207
Phase VIII-B
(sector-74)
Mohali (Pb.)
160071
Avataran Laboratories & Consultants Pvt. Ltd.

Authorized Signatory-Chemical

TEST REPORT

ULR No. : NA		Test Report No. : NWAL060324NA003/A	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell LWSS Nahan Town, Vill. Kheri		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G3		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Potassium as K	mg/l	1.4	1	IS 3025 (Part 45)

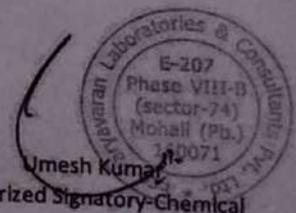
Remarks : This report is the part of Test Report No. NWAL060324NA003.

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000002025F		Test Report No. : NWAL060324NA004	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell LWSS, Kala Amb		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G4		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	pH @ 25 °C	-	7.61	0.5	IS 3025 (Part 11)
2	Oil & Grease	mg/l	BDL		IS 3025 (Part 39)
3	Aluminium as Al	mg/l	0.003	0.001	USEPA 3015A
4	Ammonia as NH ₃ -N	mg/l	BDL	5	IS 3025 (Part 34) CI 2.5-Titrimetric Method
5	Copper as Cu	mg/l	BDL	0.001	USEPA 3015A
6	Fluoride as F	mg/l	0.30	0.1	IS 3025 (Part 60)
7	Iron as Fe	mg/l	0.005	0.001	USEPA 3015A
8	Manganese as Mn	mg/l	0.002	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	11	1	IS 3025 (Part 34) -CI 3.3 Chromotropic Acid Method
10	Sulphate as SO ₄	mg/l	58	1	IS 3025 (Part 24) CI 4.0 Turbidity Method
11	Chemical Oxygen Demand (COD)	mg/l	BDL	5	IS 3025 (Part 58)
12	Biochemical Oxygen Demand (BOD)	mg/l	BDL	2	IS 3025 (Part 44) BOD 3 Days at 27°C
13	Zinc as Zn	mg/l	0.016	0.001	USEPA 3015A
14	Lead as Pb	mg/l	BDL	0.001	USEPA 3015A
15	Nickel as Ni	mg/l	BDL	0.001	USEPA 3015A
16	Arsenic as As	mg/l	BDL	0.001	USEPA 3015A
17	Sodium as Na	mg/l	16.6	1	IS 3025 (Part 45)

Lata Thakur
Lata Thakur

Authorized Signatory-Biological

Umesh Kumar
Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



ULR No. : TC1181824000002025F	Test Report No. : NWAL060324NA004
Type of Sample : Water- Ground Water	

II. Biological Testing

2. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Total Coliform	Present or Absent/100 ml	Absent	-	IS 15185
2	E. coli	Present or Absent/100 ml	Absent	-	IS 15185
3	Thermotolerant Coliform (F. coliforms)	Present or Absent/100 ml	Absent	-	APHA 24th Ed 9222D

Remarks : NA Latitude = 30.499570N; Longitude = 77.212345E

OTHER INFORMATION

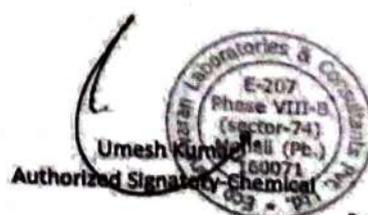
Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


Lata Thakur

Authorized Signatory-Biological


Umesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL060324NA004/A	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell LWSS, Kala Amb		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G4		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Potassium as K	mg/l	1.3	1	IS 3025 (Part 45)

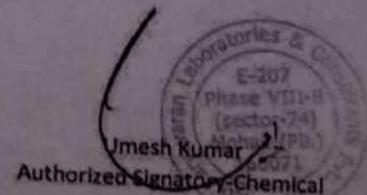
Remarks : This report is the part of Test Report No. NWAL060324NA004.

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



TEST REPORT



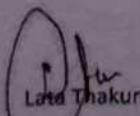
ULR No. : TC1181824000002026F		Test Report No. : NWAL060324NA005	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jai Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell LWSS, Moginand		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G5		

RESULTS

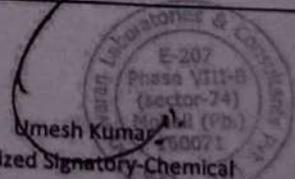
I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	pH @ 25 °C	-	7.86	0.5	IS 3025 (Part 11)
2	Oil & Grease	mg/l	BDL		IS 3025 (Part 39)
3	Aluminium as Al	mg/l	0.002	0.001	USEPA 3015A
4	Ammonia as NH ₃ -N	mg/l	BDL	5	IS 3025 (Part 34) CI 2.5-Titrimetric Method
5	Copper as Cu	mg/l	BDL	0.001	USEPA 3015A
6	Fluoride as F	mg/l	0.45	0.1	IS 3025 (Part 60)
7	Iron as Fe	mg/l	0.002	0.001	USEPA 3015A
8	Manganese as Mn	mg/l	BDL	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	19	1	IS 3025 (Part 34) -CI 3.3 Chromotropic Acid Method
10	Sulphate as SO ₄	mg/l	27	1	IS 3025 (Part 24) CI 4.0 Turbidity Method
11	Chemical Oxygen Demand (COD)	mg/l	BDL	5	IS 3025 (Part 58)
12	Biochemical Oxygen Demand (BOD)	mg/l	BDL	2	IS 3025 (Part 44) BOD 3 Days at 27°C
13	Zinc as Zn	mg/l	0.851	0.001	USEPA 3015A
14	Lead as Pb	mg/l	BDL	0.001	USEPA 3015A
15	Nickel as Ni	mg/l	BDL	0.001	USEPA 3015A
16	Arsenic as As	mg/l	BDL	0.001	USEPA 3015A
17	Sodium as Na	mg/l	14	1	IS 3025 (Part 45)


Lata Thakur

Authorized Signatory-Biological


Umesh Kumar

Authorized Signatory-Chemical



ULR No. : TC1181824000002026F	Test Report No. : NWAL060324NA005
Type of Sample : Water- Ground Water	

II. Biological Testing
2. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Total Coliform	Present or Absent/100 ml	Absent	-	IS 15185
2	E. coli	Present or Absent/100 ml	Absent	-	IS 15185
3	Thermotolerant Coliform (F. coliforms)	Present or Absent/100 ml	Absent	-	APHA 24th Ed 9222D

Remarks : NA Latitude = 30.514268N; Longitude = 77.239290E

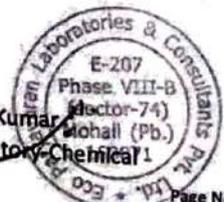
OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
 Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)
 End of Report

Lata Thakur

Authorized Signatory-Biological

Umesh Kumar
Authorized Signatory-Chemical





Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL060324NA005/A	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell LWSS, Moginand		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G5		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Potassium as K	mg/l	1.1	1	IS 3025 (Part 45)

Remarks : This report is the part of Test Report No. NWAL060324NA005.

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Umesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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560

TEST REPORT



ULR No. : TC118182400002027F		Test Report No. : NWAL060324NA006	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (if any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell LWSS, Bankabara		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G6		

RESULTS

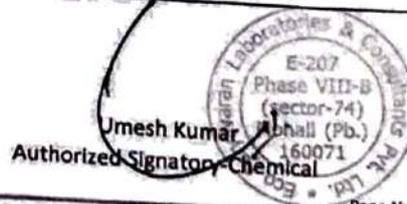
I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	pH @ 25 °C	-	8.32	0.5	IS 3025 (Part 11)
2	Oil & Grease	mg/l	BDL		IS 3025 (Part 39)
3	Aluminium as Al	mg/l	0.026	0.001	USEPA 3015A
4	Ammonia as NH3-N	mg/l	BDL	5	IS 3025 (Part 34) CI 2.5-Titrimetric Method
5	Copper as Cu	mg/l	BDL	0.001	USEPA 3015A
6	Fluoride as F	mg/l	0.55	0.1	IS 3025 (Part 60)
7	Iron as Fe	mg/l	0.008	0.001	USEPA 3015A
8	Manganese as Mn	mg/l	0.011	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	6.7	1	IS 3025 (Part 34) -CI 3.3 Chromotropic Acid Method
10	Sulphate as SO4	mg/l	18	1	IS 3025 (Part 24) CI 4.0 Turbidity Method
11	Chemical Oxygen Demand (COD)	mg/l	BDL	5	IS 3025 (Part 58)
12	Biochemical Oxygen Demand (BOD)	mg/l	BDL	2	IS 3025 (Part 44) BOD 3 Days at 27°C
13	Zinc as Zn	mg/l	0.044	0.001	USEPA 3015A
14	Lead as Pb	mg/l	BDL	0.001	USEPA 3015A
15	Nickel as Ni	mg/l	BDL	0.001	USEPA 3015A
16	Arsenic as As	mg/l	0.002	0.001	USEPA 3015A
17	Sodium as Na	mg/l	181	1	IS 3025 (Part 45)


Lata Thakur

Authorized Signatory-Biological


Jmesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/2

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



ULR No. : TC118182400002027F	Test Report No. : NWAL060324NA006
Type of Sample : Water- Ground Water	

II. Biological Testing

2. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Total Coliform	Present or Absent/100 ml	Absent	-	IS 15185
2	E. coli	Present or Absent/100 ml	Absent	-	IS 15185
3	Thermotolerant Coliform (F. coliforms)	Present or Absent/100 ml	Absent	-	APHA 24th Ed 9222D

Remarks : NA Latitude = 30.516628N; Longitude = 77.142159E

OTHER INFORMATION

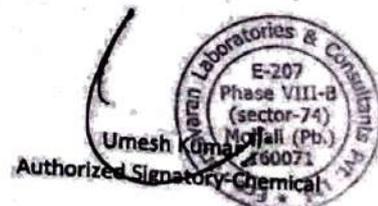
Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


Anata Thakur

Authorized Signatory-Biological


Umesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL060324NA006/A	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (if any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell LWSS, Bankabara		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G6		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Potassium as K	mg/l	12	1	IS 3025 (Part 45)

Remarks : This report is the part of Test Report No. NWAL060324NA006.

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Umesh Kumar
 Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1

TEST REPORT



ULR No. : TC1181824000002028F		Test Report No. : NWAL060324NA007	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell LWSS, Khara		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G7		

RESULTS

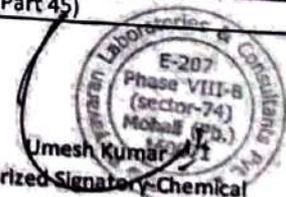
I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	pH @ 25 °C	-	6.78	0.5	IS 3025 (Part 11)
2	Oil & Grease	mg/l	BDL		IS 3025 (Part 39)
3	Aluminium as Al	mg/l	0.002	0.001	USEPA 3015A
4	Ammonia as NH ₃ -N	mg/l	BDL	5	IS 3025 (Part 34) Cl 2.5-Titrimetric Method
5	Copper as Cu	mg/l	BDL	0.001	USEPA 3015A
6	Fluoride as F	mg/l	0.55	0.1	IS 3025 (Part 60)
7	Iron as Fe	mg/l	0.003	0.001	USEPA 3015A
8	Manganese as Mn	mg/l	0.002	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	16	1	IS 3025 (Part 34) -Cl 3.3 Chromotropic Acid Method
10	Sulphate as SO ₄	mg/l	36	1	IS 3025 (Part 24) Cl 4.0 Turbidity Method
11	Chemical Oxygen Demand (COD)	mg/l	8.0	5	IS 3025 (Part 58)
12	Biochemical Oxygen Demand (BOD)	mg/l	BDL	2	IS 3025 (Part 44) BOD 3 Days at 27°C
13	Zinc as Zn	mg/l	0.016	0.001	USEPA 3015A
14	Lead as Pb	mg/l	BDL	0.001	USEPA 3015A
15	Nickel as Ni	mg/l	BDL	0.001	USEPA 3015A
16	Arsenic as As	mg/l	BDL	0.001	USEPA 3015A
17	Sodium as Na	mg/l	26	1	IS 3025 (Part 45)


Lata Thakur

Authorized Signatory-Biological


Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/2



ULR No. : TC1181824000002028F	Test Report No. : NVAL060324NA007
Type of Sample : Water- Ground Water	

II. Biological Testing
2. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Total Coliform	Present or Absent/100 ml	Absent	-	IS 15185
2	E. coli	Present or Absent/100 ml	Absent	-	IS 15185
3	Thermotolerant Coliform (F. coliforms)	Present or Absent/100 ml	Absent	-	APHA 24th Ed 9222D

Remarks : NA Latitude = 30.495382N; Longitude = 77.212288E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

[Signature]
 ata Thakur

Authorized Signatory-Biological

[Signature]
 Imesh Kumar

[Circular Stamp]
 E-207
 Phase VIII-B
 (sector-74)
 Mohali (Pb.)
 160071

Authorized Signatory-Chemical

TEST REPORT

ULR No. : NA		Test Report No. : NWAL060324NA007/A	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/Test/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	05/03/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	06/03/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	06/03/2024 To 14/03/2024
Testing Location	Permanent Facility	Date of Reporting	14/03/2024
Sampling Location	Tubewell LWSS, Khara		
Sample Description	Clear, colourless liquid.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic & 1 litre + 500ml Glass Bottle Marked D/05/G7		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Potassium as K	mg/l	2.4	1	IS 3025 (Part 45)

Remarks : This report is the part of Test Report No. NWAL060324NA007.

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

TEST REPORT



ULR No. : TC118182400002049F		Test Report No. : RWAL070324RE005	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/TEST/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	07/03/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	07/03/2024 To 15/03/2024
Testing Location	Permanent Facility	Date of Reporting	15/03/2024
Sampling Location	NA		
Sample Description	Liquid with suspended and settleable particles.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked Ground Water- From Patwar Khana Handpump Vill. Muginand		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	pH @ 25 °C	-	8.07	0.5	IS 3025 (Part 11)
2	Oil & Grease	mg/l	BDL		IS 3025 (Part 39)
3	Aluminium as Al	mg/l	BDL	0.001	USEPA 3015A
4	Ammonia as NH ₃ -N	mg/l	BDL	5	IS 3025 (Part 34) CI 2.5-Titrimetric Method
5	Copper as Cu	mg/l	BDL	0.001	USEPA 3015A
6	Fluoride as F	mg/l	0.55	0.1	IS 3025 (Part 60)
7	Iron as Fe	mg/l	0.08	0.001	USEPA 3015A
8	Manganese as Mn	mg/l	0.06	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	BDL	1	IS 3025 (Part 34) -CI 3.3 Chromotropic Acid Method
10	Sulphate as SO ₄	mg/l	19	1	IS 3025 (Part 24) CI 4.0 Turbidity Method
11	Chemical Oxygen Demand (COD)	mg/l	10	5	IS 3025 (Part 58)
12	Biochemical Oxygen Demand (BOD)	mg/l	BDL	2	IS 3025 (Part 44) BOD 3 Days at 27°C
13	Zinc as Zn	mg/l	0.427	0.001	USEPA 3015A
14	Lead as Pb	mg/l	BDL	0.001	USEPA 3015A
15	Nickel as Ni	mg/l	BDL	0.001	USEPA 3015A
16	Arsenic as As	mg/l	BDL	0.001	USEPA 3015A
17	Sodium as Na	mg/l	177	1	IS 3025 (Part 45)


Lata Thakur

Authorized Signatory-Biological


Umesh Kumar

Authorized Signatory-Chemical

Water- EI-FMT-7.8.2-W

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/2



ULR No. : TC1181824000002049F	Test Report No. : RWAL070324RE005
Type of Sample : Water- Ground Water	

II. Biological Testing

2. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Total Coliform	Present or Absent/100 ml	Absent*	-	IS 15185
2	E. coli	Present or Absent/100 ml	Absent*	-	IS 15185
3	Thermotolerant Coliform (F. coliforms)	Present or Absent/100 ml	Absent*	-	APHA 24th Ed 9222D

Remarks :

*The result might be affected due to collection of sample in plastic bottle
Latitude = 30.514853N; Longitude = 77.238654E

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Lata Thakur

Authorized Signatory-Biological



Umesh Kumar

Authorized Signatory-Chemical

TEST REPORT

ULR No. : NA		Test Report No. : RWAL070324RE005/A	
Type of Sample : Water- Ground Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSSD/NHN/TEST/2023/2408-09 Dt.: 04/03/2024
Address	Jal Shakti, Sub Division, Nahan, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	07/03/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	07/03/2024 To 15/03/2024
Testing Location	Permanent Facility	Date of Reporting	15/03/2024
Sampling Location	NA		
Sample Description	Liquid with suspended and settleable particles.		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked Ground Water- From Patwar Khana Handpump Vill. Moginand		

RESULTS

I. Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Potassium as K	mg/l	12	1	IS 3025 (Part 45)

Remarks :

This test report is the part of Test Report No.RWAL070324RE005

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

E-CO GROUP



Umesh Kumar

Authorized Signatory-Chemical

Himachal Pradesh
Jal Shakti Vibhag

No. SE-JSCU-WA-II/GWOD/2023-24-18129-34

Dated:- 22-02-2024

To
The Chairman HPGWA-cum-
Engineer-in-Chief,
Jal Shakti Vibhag,
Jal Shakti Bhawan, Shimla-5.

Subject:- Notice in Original application No 728/2023

It is with reference to your office letter No. JSV-Member Secy HPGWA-cum-SE P&I-II/2023-24-1136-1145 dated 05/02/2024 & even file letter NO 1325-1340 dated 12/02/2024 regarding subject cited above. In this regard it is submitted that as per standard water quality sampling protocol in the department, tests at departmental lab are regularly conducted for all water supply schemes and till date no report of occurrence of fluoride above permissible limit had been reported.

In compliance to your office letter regarding Notice by Hon'ble NGT, fresh water sampling of water supply schemes and local sources in areas where the CGWB had reported occurrence of fluoride from their monitoring station were conducted by Eco Paryavaran Laboratories and consultants Pvt Ltd Mohali. In all, for the four sites reported by CGWB viz; Daulatpur, Babehr, Ispur and Jankaur sampling for 13 locations was done and all the tests conducted by CGWB were conducted by M/s ECo Paryavaran Lab Mohali.

The report of the analysis of the water sampling by M/s ECo Paryavaran Lab Mohali is attached for your kind perusal. The report indicates that fluoride is below the acceptable limit of 1.0 ppm/mg/l at all the sites. In view of the water quality analysis report it is submitted that there is no occurrence of fluoride above the acceptable/permissible limits in the reported places in district Una. It is further assured that regular water quality monitoring in the area will be ensured and if any occurrence is reported in future proper remedial measures will be taken as needed.

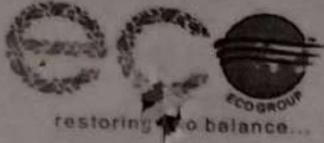
DA: As above

[Signature]
Superintending Engineer,
Jal Shakti Circle, Una (HP)

Copy to the Member Secretary HPGWA cum SE P&I-II, Jal Shakti Vibhag, Jal Shakti Bhawan, Shimla-5 for information and further necessary action please.
Copy to the Executive Engineer JSV Division Una No-1, Haroli, Gagret for information and direction to regularly monitor water quality in the area.

FR
EEGWA
for m/a
JB (CIB A)
23/02/24
Hydrogeologist (GWA) 23/2/24
23/02/2024

[Signature]
Superintending Engineer,
Jal Shakti Circle, Una (HP)



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000001096F		Test Report No. : NWAL070224NA032	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSV-SDD/WSS/2023-24-3729-30 Dt.: 06/02/2024
Address	Jal Shakti, Sub Division, Daulatpur, Distt. Una, HP	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Irrigation Pump House Talwara Road Daulatpur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/05		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.31	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	37	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	7	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.21	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	32	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.007	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	25	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	2.6	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	224	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.17	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.8.2-W

Umesh Kumar
Authorized Signatory-Chemical

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No: 3/2



ULR No. : TC1181824000001096F				Test Report No. : NVAL070224NA032			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.007	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	BDL	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	31	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.4622260N; Longitude=76.0123600E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Imesh Kumar

Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : Nwal070224NA032/A	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSV-SDD/WSS/2023-24-3729-30 Dt.: 06/02/2024
Address	Jal Shakti, Sub Division, Daulatpur, Distt. Una, HP	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Irrigation Pump House Talwara Road Daulatpur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/05		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit In Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	468	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	352	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	20	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.4622260N; Longitude=76.0123600E

This test report is the part of Test Report No.Nwal070224NA032

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 | 9781303109 | contact@ecoparyavaran.org | md@ecoparyavaran.org | www.ecoparyavaran.org



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)



TEST REPORT

ULR No. : TC1181824000001097F		Test Report No. : NWAL070224NA033	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSV-SDD/WSS/2023-24-3729-30 Dt.: 06/02/2024
Address	Jal Shakti, Sub Division, Daulatpur, Distt. Una, HP	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Water Supply Scheme Daulatpur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/06		

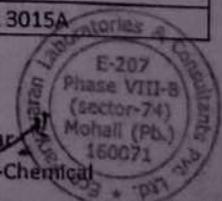
RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.62	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	64	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	7.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.11	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	19	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.004	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	13	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO ₄	mg/l	BDL	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO ₃	mg/l	240	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.064	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Imesh Kumar
Authorized Signatory-Chemical



Water-El-FMT-7.8.2-W

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



ULR No. : TC1181824000001097F			Test Report No. : NWAL070224NA033				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.004	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	BDL	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	24	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.47354180N; Longitude=75.59512940E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL070224NA033/A	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSV-SDD/WSS/2023-24-3729-30 Dt.: 06/02/2024
Address	Jal Shakti, Sub Division, Daulatpur, Distt. Una, HP	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Water Supply Scheme Daulatpur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/06		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	$\mu\text{mho/cm}$	428	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	316	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	20	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.47354180N; Longitude=75.59512940E

This test report is the part of Test Report No. NWAL070224NA033

OTHER INFORMATION

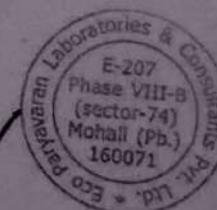
Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000001098F		Test Report No. : NVAL070224NA034	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSV-SDD/WSS/2023-24-3729-30 Dt.: 06/02/2024
Address	Jal Shakti, Sub Division, Daulatpur, Distt. Una, HP	Customer reference No. (if any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Irrigation Scheme Dangoh		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/07		

RESULTS

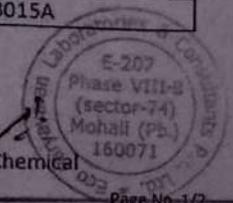
I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.53	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	50	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	5.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.14	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	26	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.002	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	11	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	BDL	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	232	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.025	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar

Authorized Signatory-Chemical



Water- EL-FMT-7.8.2-W

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 ☎ contact@ecoparyavaran.org | md@ecoparyavaran.org ☎ www.ecoparyavaran.org



ULR No. : TC1181824000001098F

Test Report No. : NWAL070224NA034

Type of Sample : Water- Drinking Water

16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.003	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	BDL	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	17	-	-	1	IS 3025 (Part 45)

Remarks :

Latitude=31.4754300N; Longitude=75.59457200E

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Omesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL070224NA034/A	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSV-SDD/WSS/2023-24-3729-30 Dt.: 06/02/2024
Address	Jal Shakti, Sub Division, Daulatpur, Distt. Una, HP	Customer reference No. (if any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Irrigation Scheme Dangoh		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/07		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	403	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	284	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	20	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.4754300N; Longitude=75.59457200E

This test report is the part of Test Report No.NWAL070224NA034

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Umesh Kumar
Authorized Signatory-Chemical



Water- EL-FMT-7.8.2-W

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000001099F		Test Report No. : NWAL070224NA035	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	ISV-SDD/WSS/2023-24-3729-30 Dt.: 06/02/2024
Address	Jal Shakti, Sub Division, Daulatpur, Distt. Una, HP	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Handpump Parmar Basti Babehor		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/08		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.54	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	38	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	4.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.16	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	44	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.004	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	3.1	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	BDL	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	276	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.112	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.8.2-W

Omesh Kumar
Authorized Signatory-Chemical



ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

- 45 -



ULR No. : TC118182400001099F			Test Report No. : NWAL070224NA035				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.005	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	BDL	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	25	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.4633N; Longitude=76.042E

OTHER INFORMATION

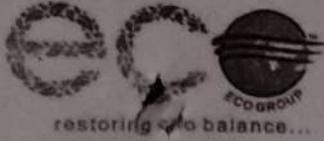
Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL070224NA035/A	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSV-SDD/WSS/2023-24-3729-30 Dt.: 06/02/2024
Address	Jal Shakti, Sub Division, Daulatpur, Distt. Una, HP	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Handpump Parmar Basti Babehor		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/08		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

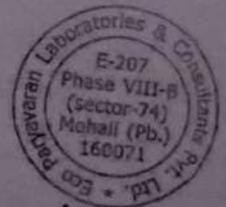
S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	480	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	336	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	19	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks : Latitude=31.4633N; Longitude=76.042E
This test report is the part of Test Report No.NWAL070224NA035

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Jmesh Kumar
Authorized Signatory-Chemical

TEST REPORT



ULR No. : TC1181824000001100F		Test Report No. : NWAL070224NA036	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSV-SDD/WSS/2023-24-3729-30 Dt.: 06/02/2024
Address	Jal Shakti, Sub Divison, Daulatpur, Distt. Una, HP	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Water Supply Scheme Babehor		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/09		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.59	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	58	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	5.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.15	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	18	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.002	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	9.5	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	BDL	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	220	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.055	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.B.2-W

Umesh Kumar
Authorized Signatory-Chemical

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 ✉ contact@ecoparyavaran.org | md@ecoparyavaran.org 🌐 www.ecoparyavaran.org



ULR No. : TC1181824000001100F			Test Report No. : NWAL070224NA036				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.004	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	BDL	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	14	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.47136740N; Longitude=75.59358320E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Omish Kumar

Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. :	NA	Test Report No. :	NWAL070224NA036/A
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	JSV-SDD/WSS/2023-24-3729-30 Dt.: 06/02/2024
Address	Jal Shakti, Sub Division, Daulatpur, Distt. Una, HP	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Water Supply Scheme Babehor		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/09		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	454	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	268	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	20	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.47136740N; Longitude=75.59358320E

This test report is the part of Test Report No.NWAL070224NA036

OTHER INFORMATION

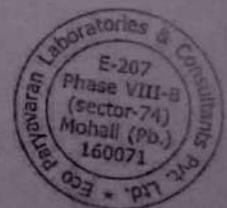
Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.B.2-W

Page No. 1/1

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)



TEST REPORT

ULR No. : TC1181824000001101F		Test Report No. : NVAL070224NA037	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE-JSD-HAROLI/GA-2023-24/271 7-18 Dt.: 05/02/2024
Address	Jal Shakti Division, Haroli, Distt. Una, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Petrol Pump Mohalla Bharai Ispur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/01		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.6	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	48	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	7.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.22	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	21	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.003	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	16	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	2.1	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	208	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.506	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.8.2-W

Umesh Kumar
Authorized Signatory-Chemical

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



ULR No. : TC1181824000001101F Test Report No. : NWAL070224NA037

Type of Sample : Water- Drinking Water

16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.005	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.2	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	26	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.50555556N; Longitude=76.17888889E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Umesh Kumar
Authorized Signatory-Chemical

TEST REPORT

ULR No. : NA		Test Report No. : NVAL070224NA037/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE-JSD-HAROLI/GA-2023-24/271 7-18 Dt.: 05/02/2024
Address	Jai Shakti Division, Haroli, Distt. Una, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Petrol Pump Mohalla Bharai Ispur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/01		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	445	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	264	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	15	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.5055556N; Longitude=76.1788889E

This test report is the part of Test Report No.NVAL070224NA037

OTHER INFORMATION

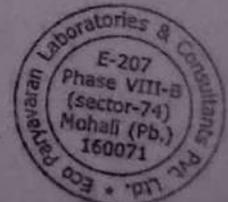
Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000001102F		Test Report No. : NVAL070224NA038	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE-JSD-HAROLI/GA-2023-24/271 7-18 Dt.: 05/02/2024
Address	Jal Shakti Division, Haroli, Distt. Una, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Govt.Sr.Sec.School Ispur		
Sample Description	Clear, colourless liquid		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/02		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.60	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	45	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	8.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.20	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	18	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.005	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	20	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	2.1	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	188	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.406	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.8.2-W

Umesh Kumar
Authorized Signatory



ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



ULR No. : TC1181824000001102F				Test Report No. : NWAL070224NA038			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.005	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.1	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	24	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.49492667N; Longitude=76.16689333E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL070224NA038/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE-JSD-HAROLI/GA-2023-24/271 7-18 Dt.: 05/02/2024
Address	Jal Shakti Division, Haroli, Distt. Una, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Govt.Sr.Sec.School Ispur		
Sample Description	Clear, colourless liquid		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/02		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	414	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	248	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	15	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.49492667N; Longitude=76.16689333E

This test report is the part of Test Report No.NWAL070224NA038

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 ☎ contact@ecoparyavaran.org | md@ecoparyavaran.org ☎ www.ecoparyavaran.org



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000001103F		Test Report No. : NWAL070224NA039	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE-JSD-HAROLI/GA-2023-24/271 7-18 Dt.: 05/02/2024
Address	Jal Shakti Division, Haroli, Distt. Una, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Near Ravidas Temple Mohalla Tanda Ispur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/03		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit In Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.90	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	26	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	7.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.15	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	31	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.002	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	12	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	2.4	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	192	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	1.099	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A-207

Umesh Kumar
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Water- EL-FMT-7.8.2-W

ECO BHAVAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/2



ULR No. : TC1181824000001103F			Test Report No. : NWAL070224NA039				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.006	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.1	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	26	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.49830333N; Longitude=76.16461167E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar
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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL070224NA039/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE-JSD-HAROLI/GA-2023-24/271 7-18 Dt.: 05/02/2024
Address	Jal Shakti Division, Haroli, Distt. Una, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Near Ravidas Temple Mohalla Tanda Ispur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked A/07/03		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	457	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	264	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	16	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.49830333N; Longitude=76.16461167E

This test report is the part of Test Report No.NWAL070224NA039

OTHER INFORMATION

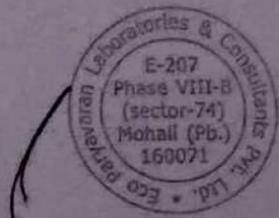
Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No. : TC1181824000001104F		Test Report No. : NWAL070224NA040	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE-JSD-HAROLI/GA-2023-24/271 7-18 Dt.: 05/02/2024
Address	Jal Shakti Division, Haroli, Distt. Una, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Mohalla Pathak Ispur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2litre Plastic Bottle Marked A/07/04		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.70	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	16	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	8.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.19	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.003	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	39	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.012	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	16	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	1.4	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	200	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	1.533	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.8.2-W

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Page No. 1/2

ECO BHAVAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



ULR No. : TC1181824000001104F				Test Report No. : NWAL070224NA040			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.005	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.1	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	25	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.49584333N; Longitude=76.17500167E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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596

TEST REPORT

ULR No. : NA		Test Report No. : NWAL070224NA040/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE-JSD-HAROLI/GA-2023-24/271 7-18 Dt.: 05/02/2024
Address	Jal Shakti Division, Haroli, Distt. Una, Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Mohalla Pathak Ispur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2litre Plastic Bottle Marked A/07/04		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	480	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	264	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	16	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.49584333N; Longitude=76.17500167E

This test report is the part of Test Report No.NWAL070224NA040

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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TEST REPORT



ULR No. : TC1181824000001092F		Test Report No. : NVAL070224NA028	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	EE-JSDU-I-GA-WATERTESTING/2024-20643-44 Dt.: 07/02/2024
Address	Jal Shakti Vibhag, Sub Division No.1, Una Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Water Supply Scheme Rampur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2litre Plastic Bottle Marked A/07/10		

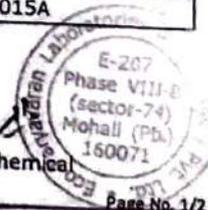
RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C		7.70	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	27	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	8.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.14	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	33	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.002	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	12	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	1.1	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	204	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.009	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Imesh Kumar
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Water- EL-FMT-7.8.2-W

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



ULR No. : TC1181824000001092F				Test Report No. : NWAL070224NA028			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.005	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.3	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	23	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.2549N; Longitude=76.1636E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar
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TEST REPORT

ULR No. : NA		Test Report No. : NWAL070224NA028/A	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	EE-JSDU-I-GA-WATERTESTING/2 024-20643-44 Dt.: 07/02/2024
Address	Jal Shakti Vibhag, Sub Division No.1, Una Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Water Supply Scheme Rampur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2litre Plastic Bottle Marked A/07/10		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	432	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	240	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	19	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.2549N; Longitude=76.1636E

This test report is the part of Test Report No.NWAL070224NA028

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar
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Water- EL-FMT-7.8.2-W

Page No. 1/1

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

600

TEST REPORT



ULR No. : TC1181824000001093F		Test Report No. : NWAL070224NA029	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	EE-JSDU-I-GA-WATERTESTING/2024-20643-44 Dt.: 07/02/2024
Address	Jal Shakti Vibhag, Sub Division No.1, Una Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- H.No.55 Rampur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2litre Plastic Bottle Marked A/07/11		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.80	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	48	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	7.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.16	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.002	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	23	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.004	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	11	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	1.9	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	216	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.477	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.8.2-W

James Kumar
Authorized Signatory-Chemical
E-207
Phase VIII-B
(Sector-74)
Mohali (Pb.)
160071
Page No. 1/2

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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ULR No. : TC1181824000001093F			Test Report No. : NWAL070224NA029				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.005	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.3	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	23	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.2553N; Longitude=76.2553E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar
Authorized Signatory-Chemical



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(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. :	NA	Test Report No. :	NWAL070224NA029/A
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	EE-JSDU-I-GA-WATERTESTING/2024-20643-44 Dt.: 07/02/2024
Address	Jal Shakti Vibhag, Sub Division No.1, Una Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- H.No.55 Rampur		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2litre Plastic Bottle Marked A/07/11		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit In Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	440	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	248	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	20	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.2553N; Longitude=76.2553E

This test report is the part of Test Report No.NWAL070224NA029

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar &
Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/1

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)



TEST REPORT

ULR No. : TC1181824000001094F		Test Report No. : NWAL070224NA030	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	EE-JSDU-I-GA-WATERTESTING/2024-20643-44 Dt.: 07/02/2024
Address	Jal Shakti Vibhag, Sub Division No.1, Una Himachal Pradesh	Customer reference No. (if any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Lift Irrigation Scheme Abada Barana		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2litre Plastic Bottle Marked A/07/12		

RESULTS

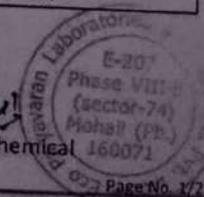
I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.50	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	35	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	7.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.21	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.006	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	25	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.005	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	9.5	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	1.6	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	196	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.373	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.8.2-W

Umesh Kumar
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ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



ULR No. : TC1181824000001094F Test Report No. : NWAL070224NA030

Type of Sample : Water- Drinking Water

16	Nickel as Ni	mg/l	0.007	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.003	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.2	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	20	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.2559N; Longitude=76.1649E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

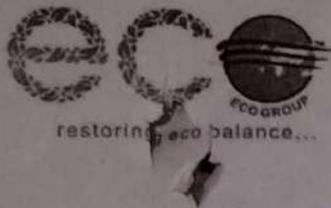
Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



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TEST REPORT

ULR No. : NA		Test Report No. : NVAL070224NA030/A	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	EE-JSDU-I-GA-WATERTESTING/2 024-20643-44 Dt.: 07/02/2024
Address	Jal Shakti Vibhag, Sub Division No.1, Una Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Lift Irrigation Scheme Abada Barana		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2litre Plastic Bottle Marked A/07/12		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	438	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	240	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	20	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.2559N; Longitude=76.1649E

This test report is the part of Test Report No.NVAL070224NA030

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar

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Water- EL-FMT-7.8.2-W

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1



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TEST REPORT



ULR No. : TC1181824000001095F		Test Report No. : NWA070224NA031	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	EE-JSDU-I-GA-WATERTESTING/2024-20643-44 Dt.: 07/02/2024
Address	Jal Shakti Vibhag, Sub Division No.1, Una Himachal Pradesh	Customer reference No. (if any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Sunehra		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2litre Plastic Bottle Marked A/07/13		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.30	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	107	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	15	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.18	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	4.0	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.004	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	31.5	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	14	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	284	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.01	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.8.2-W

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Umesh Kumar

E-207
Phase VIII-B
(Sector-74,
Mohali (PB.)
160071

Page No. 1/2

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



ULR No. : TC1181824000001095F				Test Report No. : NWAL070224NA031			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.004	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	BDL	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	18	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.2613N; Longitude=76.1727E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Umesh Kumar

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL070224NA031/A	
Type of Sample : Water- Drinking Water			
Customer Name	Assistant Engineer	Work Order No. & Date	EE-JSDU-I-GA-WATERTESTING/2 024-20643-44 Dt.: 07/02/2024
Address	Jal Shakti Vibhag, Sub Division No.1, Una Himachal Pradesh	Customer reference No. (If any)	NA
		Date of Sampling	07/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	07/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	07/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	From Tap- Sunehra		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2litre Plastic Bottle Marked A/07/13		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	568	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	296	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	17	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.2613N; Longitude=76.1727E

This test report is the part of Test Report No.NWAL070224NA031

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Imesh Kumar

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Water- EL-FMT-7.8.2-W

Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org

- 74 -
HIMACHAL PRADESH
JAL SHAKTI VIBHAG

No. SE/JSC/NPR/WS/WA-III/GWA/Notice /-2024 - 11/20-23

Date:- 27/2/24

To

The Chairman HPGWA-cum-
Engineer-Chief,
Jal Shakti Vibhag,
Jal Bhawan Shimla.

Subject:- Notice in Original Application NO 728/2023.

Reference:- Your office letter No. JSV-Member Secy HPGWA-cum-SE-P&I-II/2023-24-1136-1143 dated 05-02-2024, 1325-1340 Dt:-12-02-2024 & Sr. Hydrologist GWO JSV Una letter No. JSV-GWO/E-32/2023-24-1606-17 Dt:-07-02-2024.

In this context, it is intimated that the Executive Engineer, Jal Shakti Division Indora vide his office letter No. 10089-91 dated 26.02.2024 has submitted that the water samples of all the groundwater sources under division Indora and all the water samples are checked in water testing lab in Indora regularly to monitor water quality which is found satisfactory as per report, Now as per report of The Senior Hydrologist Ground water Organization Jal Shakti Vibhag Una HP vide letter under reference this office has approached to ECO Paryavaran Laboratory & Consultants Pvt. Ltd. vide this office letter no spl-1 Dt:- 07-02-2024 to take water samples in the vicinity of source Ulehrian (Long. 32.07472222 lat. 75.6375) to check the water quality.

Accordingly the ECO Paryavaran Laboratory & Consultants Pvt. Ltd. checked the area on dated 12-02-2024 and has taken water samples in presence of Shri Pradeep Kumar JE and Sri Ashwini Kumar JE of division Indora. There after the report of all water samples is sent to your good office for information and further necessary action at your end please.

DA:- Report

[Signature]
Superintending Engineer,
Jal Shakti Circle Nurpur.

Copy to the Chief Engineer (DZ) Jal Shakti Vibhag, Dharamshala for information.

Copy to the Senior Hydrologist Ground water Organization Jal Shakti Vibhag Una HP for information.

Copy forwarded to the Executive Engineer Jal Shakti Division Indora for information with reference to his office letter referred above.

[Signature]
Superintending Engineer,
Jal Shakti Circle Nurpur.

FR
EEGWA

SEP 31-11

01/03/2024

for n/a
JE (an/A)

[Signature]
02/3/24

Hydrologist (GWO)

[Signature]
02/3/24



TEST REPORT



TC-11818

ULR No. : TC1181824000001198F		Test Report No. : NWAL090224NA017	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (Govt.Sr.Sec School- Vill. Mand Miani)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/10		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.78	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	37	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	7.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	BDL	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	23	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	4.2	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	1.0	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	188	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.083	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar
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Water- EL-FMT-7.8.2-W

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 ✉ contact@ecoparyavaran.org | md@ecoparyavaran.org 🌐 www.ecoparyavaran.org



ULR No. : TC1181824000001198F				Test Report No. : NWAL090224NA017			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.002	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.002	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.1	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	23	-	-	1	IS 3025 (Part 45)

Remarks :

Latitude=32.098365N; Longitude=75.671901E

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA017/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (Govt.Sr.Sec School- Vill. Mand Miani)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/10		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	$\mu\text{mho/cm}$	469	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO_3	mg/l	212	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO_3	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO_2	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.098365N; Longitude=75.671901E

This test report is the part of Test Report No.NWAL090224NA017

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.B.2-W

Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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TEST REPORT



ULR No. : TC1181824000001199F		Test Report No. : NWAL090224NA018	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Majwan)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/11		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.72	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	35	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	5.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.84	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	24	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	5.1	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO ₄	mg/l	BDL	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO ₃	mg/l	184	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.033	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/2



ULR No. : TC1181824000001199F Test Report No. : NWAL090224NA018

Type of Sample : Water- Drinking Water

16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.002	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.002	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.2	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	21	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.091812N; Longitude=75.671901E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Umesh Kumar
Authorized Signatory-Chemical

TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA018/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Majwan)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/11		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	435	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	216	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.091812N; Longitude=75.671901E

This test report is the part of Test Report No.NWAL090224NA018

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC118182400001200F		Test Report No. : NWAL090224NA019	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Ghandran)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/12		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit In Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.71	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	21	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	7.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	BDL	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	26	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	5.1	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO ₄	mg/l	1.4	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO ₃	mg/l	160	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.027	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.8.2-W

Umesh Kumar
Authorized Signatory-Chemical

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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ULR No. : TC1181824000001200F			Test Report No. : NWAL090224NA019				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.002	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.002	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.1	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	21	-	-	1	IS 3025 (Part 45)

Remarks :

Latitude=32.095787N; Longitude=75.678957E

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



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618

TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA019/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Ghandran)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/12		

RESULTS

I. Chemical Testing 1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit In Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	$\mu\text{mho/cm}$	429	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO_3	mg/l	188	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO_3	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO_2	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks : Latitude=32.095787N; Longitude=75.678957E
This test report is the part of Test Report No.NWAL090224NA019

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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TEST REPORT



ULR No. : TC1181824000001201F		Test Report No. : NWAL090224NA020	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (New LWSS- Vill. Malkana)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/13		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C		7.83	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	35	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	13	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.60	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	7.9	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	1.1	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	5.7	200	400	1	IS 3025 (Part 24) Cl 4.0- Turbidity Method
12	Total Hardness as CaCO3	mg/l	120	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.015	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar
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Water-EL-FMT-7.82-W

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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ULR No. : TC1181824000001201F			Test Report No. : NWAL090224NA020				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.002	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	BDL	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.4	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	7.3	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.087872N; Longitude=75.705565E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


 Umesh Kumar
 Authorized Signatory-Chemical



TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA020/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (New LWSS- Vill. Malkana)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/13		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	332	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	108	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.08782N; Longitude=75.705565E

This test report is the part of Test Report No.NWAL090224NA020

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

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TEST REPORT



TC-11818

ULR No. : TC118182400001202F		Test Report No. : NVAL090224NA021	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Govt.Sr.Sec School- Vill. Paral)		
Sample Description	liquid with settleable particles.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/14		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.86	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	34	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	11	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.56	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.055	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	6.6	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.016	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	BDL	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	4.3	200	400	1	IS 3025 (Part 24) Cl 4.0- Turbidity Method
12	Total Hardness as CaCO3	mg/l	112	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.033	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar

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Water- EI-FMT-7.8.2-W

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



ULR No. : TC1181824000001202F			Test Report No. : NWAL090224NA021				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	BDL	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	2.0	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	7.6	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.087872N; Longitude=75.705565E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


 Umesh Kumar
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TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA021/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Govt.Sr.Sec School- Vill. Paral)		
Sample Description	liquid with settleable particles.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/14		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	274	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	100	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.087872N; Longitude=75.705565E

This test report is the part of Test Report No.NWAL090224NA021

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No 1/1

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TEST REPORT



ULR No. : TC1181824000001203F		Test Report No. : NWAL090224NA022	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Paral)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/15		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.8	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	34	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	12	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.89	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.006	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	6.6	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	1.9	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	5.7	200	400	1	IS 3025 (Part 24) Cl 4.0 Turbidity Method
12	Total Hardness as CaCO3	mg/l	112	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.016	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Omish Kumar
Authorized Signatory-Chemical

Water- EI-IMT-7.8.2-W

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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ULR No. : TC1181824000001203F			Test Report No. : NWAL090224NA022				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.002	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	BDL	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	2.1	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	7.9	-	-	1	IS 3025 (Part 45)

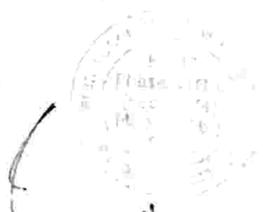
Remarks : Latitude=32.087872N; Longitude=75.705565E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Omesh Kumar
Authorized Signatory-Chemical



TEST REPORT

ULR No. : NA		Test Report No. : NWA090224NA022/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Paral)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/15		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	214	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	100	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.087872N; Longitude=75.705565E

This test report is the part of Test Report No.NWA090224NA022

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
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Water- EL-FMT-7.8.2-W

Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 ☎ contact@ecoparyavaran.org | md@ecoparyavaran.org 🌐 www.ecoparyavaran.org

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000001204F		Test Report No. : NWAL090224NA023	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Barota)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/16		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.50	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	61	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	16	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.82	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.002	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	17	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	15	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	BDL	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	220	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.015	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

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Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



TC-11818

ULR No. : TC1181824000001204F				Test Report No. : NWAL090224NA023			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.01	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	2.2	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	10	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.036355N; Longitude=75.724865E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA023/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Barota)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/16		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	429	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	228	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.036355N; Longitude=75.724865E

This test report is the part of Test Report No.NWAL090224NA023

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
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Water- EL-FMT-7.8.2-W

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E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

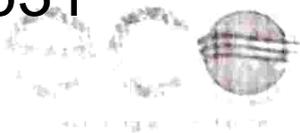
Page No. 1/1

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TEST REPORT



ULR No.:	TC1181824000001205F	Test Report No.:	NWAL090224NA024
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Basantpur)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/17		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.85	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	40	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	14	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.47	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.005	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	11	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.003	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	1.1	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	6.2	200	400	1	IS 3025 (Part 24) Cl 4.0- Turbidity Method
12	Total Hardness as CaCO3	mg/l	144	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.02	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar

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ULR No. : TC1181824000001205F		Test Report No. : NWAL090224NA024					
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.003	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.003	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.6	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	12	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.061918N; Longitude=75.685147E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Belqw Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



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TEST REPORT

ULR No.: NA		Test Report No.: NWAL090224NA024/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Basantpur)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/17		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	315	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	136	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.061918N; Longitude=75.685147E

This test report is the part of Test Report No.NWAL090224NA024

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
Authorized Signatory-Chemical

- 99 -

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TEST REPORT



ULR No. : TC1181824000001209F		Test Report No. : NWAL090224NA028	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	New Borewell (LWSS- Vill. Khanpur)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/21		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.80	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	38	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	5.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.29	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.002	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	13	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.003	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	BDL	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	1.1	200	400	1	IS 3025 (Part 24) Cl 4.0- Turbidity Method
12	Total Hardness as CaCO3	mg/l	148	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.011	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar

Authorized Signatory-Chemical

Water-EL-FMT-7 B 2-W

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/2

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100



ULR No. : TC1181824000001209F			Test Report No. : NWAL090224NA028				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.003	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.002	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.4	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	21	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.072614N; Longitude=75.637969E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : NA	Test Report No. : NWAL090224NA028/A		
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	New Borewell (LWSS- Vill. Khanpur)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/21		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	398	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	188	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32°07'26.14N; Longitude=75.637969E

This test report is the part of Test Report No.NWAL090224NA028

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Authorized Signatory-Chemical

Water- EL-FMT-7.3.2-W

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E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1



TEST REPORT



ULR No. :	TC1181824000001210F	Test Report No. :	NWAL090224NA029
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Milwan)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/22		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.75	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	20	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	5.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.56	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	25	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	3.6	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	BDL	200	400	1	IS 3025 (Part 24) Cl 4.0 Turbidity Method
12	Total Hardness as CaCO3	mg/l	152	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.018	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.B.2-W

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Authorized Signatory-Chemical

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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ULR No. : TC1181824000001210F Test Report No. : NWAL090224NA029

Type of Sample : Water- Drinking Water

16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.003	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.002	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.1	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	16	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.07011N; Longitude=75.616262E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Umesh Kumar
Authorized Signatory-Chemical



TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA029/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Milwan)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/22		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	380	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	140	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.07011N; Longitude=75.616262E

This test report is the part of Test Report No.NWAL090224NA029

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
Authorized Signatory-Chemical

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000001211F		Test Report No. : NWAL090224NA030	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Mohtali Old)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/23		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C		7.32	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	115	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	45	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.88	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.002	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	11	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.281	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	41	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO ₄	mg/l	30	200	400	1	IS 3025 (Part 24) Cl 4.0- Turbidity Method
12	Total Hardness as CaCO ₃	mg/l	332	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.015	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Water- EL-FMT-7.8.2-W

Umesh Kumar
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ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/2



ULR No. : TC1181824000001211F				Test Report No. : NWAL090224NA030			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.003	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.2	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	20	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.215023N; Longitude=75.667901E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

107

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.
(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA030/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Mohtali Old)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/23		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	788	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	320	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	19	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.215023N; Longitude=75.667901E

This test report is the part of Test Report No.NWAL090224NA030

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No. : TC1181824000001212F		Test Report No. : NWA090224NA031	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATER5AMPLE/2023-24-SPL-01 Dt.: 07/02, 2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Mohtali New)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/24		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.61	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	90	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	40	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.71	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.003	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	18	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.02	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	38	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	29	200	400	1	IS 3025 (Part 24) Cl 4.0- Turbidity Method
12	Total Hardness as CaCO3	mg/l	300	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.794	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar
Authorized Signatory-Chemical



ULR No. : TC1181824000001212F Test Report No. : NWAL090224NA031

Type of Sample : Water- Drinking Water

16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.002	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.9	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	17	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.213058N; Longitude=75.66839E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
 Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


 Umesh Kumar
 Authorized Signatory-Chemical

TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA031/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Mohtali New)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/24		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	615	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	248	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	18	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.213058N; Longitude= 75.66839E

This test report is the part of Test Report No.NWAL090224NA031

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No. : TC1181824000001213F		Test Report No. : NVAL090224NA032	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Surajpur Mohtali)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/25		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.62	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	74	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	43	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.58	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	19	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	4.0	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	8.0	200	400	1	IS 3025 (Part 24) CI 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	264	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.063	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

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Water- EL-FMT-7.8.2-W

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



ULR No. : TC1181824000001213F			Test Report No. : NWAL090224NA032				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.003	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.6	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	28	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.21082N; Longitude=75.677958E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Omesh Kumar

Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA032/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (LWSS- Vill. Surajpur Mohtali)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/25		

RESULTS

I. Chemical Testing 1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	600	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	260	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	16	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks : Latitude=32.21082N; Longitude=75.677958E
This test report is the part of Test Report No.NWAL090224NA032

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


Umesh Kumar
Authorized Signatory-Chemical

Water- LL-FMT-7.8.2-W

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



TEST REPORT



ULR No. : TC1181824000001206F		Test Report No. : NWAL090224NA025	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (3 HP- Vill. Ulehrian)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/18		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.85	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	42	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	5.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.60	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.002	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	18	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	5.0	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	4.5	200	400	1	IS 3025 (Part 24) Cl 4.0 Turbidity Method
12	Total Hardness as CaCO3	mg/l	180	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.014	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar
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ULR No. : TC1181824000001206F				Test Report No. : NWAL090224NA025			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.002	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.2	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	21	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.077783N; Longitude=75.657038E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


 Umesh Kumar
 Authorized Signatory-Chemical

TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA025/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (3 HP- Vill. Ulehrian)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/18		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	448	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	220	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	4.4	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.077783N; Longitude=75.657038E

This test report is the part of Test Report No.NWAL090224NA025

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FM1-7B.2-W

Page No. 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 ☎ contact@ecoparyavaran.org | md@ecoparyavaran.org ☎ www.ecoparyavaran.org

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000001207F		Test Report No. : NWAL090224NA026	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (25 HP- Vill. Ulehrian)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/19		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.72	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	48	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	5.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.60	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.002	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	15	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	43	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO ₄	mg/l	6.2	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO ₃	mg/l	180	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.026	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/2

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



ULR No. : TC1181824000001207F			Test Report No. : NWAL090224NA026				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.003	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.2	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	23	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=32.077665N; Longitude=75.656723E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Omesh Kumar

Authorized Signatory-Chemical

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA	Test Report No. : NWAL090224NA026/A		
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (25 HP- Vill. Ulehrian)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/19		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	$\mu\text{mho/cm}$	474	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO_3	mg/l	232	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO_3	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO_2	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.077665N; Longitude=75.656723E

This test report is the part of Test Report No.NWAL090224NA026

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/1

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org info@ecoparyavaran.org www.ecoparyavaran.org

TEST REPORT



ULR No. : TC1181824000001208F		Test Report No. : NWAL090224NA027	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (Radha Soami Satsang- VIII. Ulehrian)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/20		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.66	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	51	75	200 ₁	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	5.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.80	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	BDL	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	18	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	BDL	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	3.4	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO ₄	mg/l	1.3	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO ₃	mg/l	200	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.013	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar
Authorized Signatory-Chemical

Water: H-4MT 782 W

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector 74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 ☎ contact@ecoparyavaran.org | md@ecoparyavaran.org ☎ www.ecoparyavaran.org



ULR No. : TC1181824000001208F Test Report No. : NWAL090224NA027

Type of Sample : Water- Drinking Water

16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.003	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.2	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	25	-	-	1	IS 3025 (Part 45)

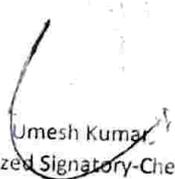
Remarks : Latitude=32.076927N; Longitude=75 651348E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


 Umesh Kumar
 Authorized Signatory-Chemical

TEST REPORT

ULR No. :	NA	Test Report No. :	NWAL090224NA027/A
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/IND/WATERSAMPLE/2023-24-SPL-01 Dt.: 07/02/2024
Address	JSV Division, Indora, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (Radha Soami Satsang- Vill. Ulehrian)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/20		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	429	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	244	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=32.076927N; Longitude=75.651348E

This test report is the part of Test Report No.NWAL090224NA027

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Urvesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Eco Bhawan

E-207, Industrial Area, Phase VIII-B (Sector 74), Mohali (Punjab) 160171

Page No. 1/2

- 123 -

**HIMACHAL PRADESH
JAL SHAKTI VIBHAG**

No. SE/ISC/NPR/WS/WA-III/GWA/Notice /-2024- 11813-16

Date: 21-03-2024

To

The Chairman HPGWA-cum-
Engineer-Chief,
Jal Shakti Vibhag,
Jal Bhawan Shimla

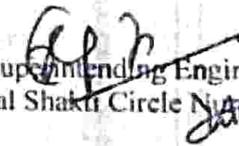
Subject - Notice in Original Application NO 728/2023.

Reference - Your office letter No. JSV-Member Secy HPGWA-cum-SE-P&I-II/2023-24-1136-1143 dated 05-02-2024, 1325-1340 Dt:-12-02-2024 & Sr. Hydrologist GWO JSV Una letter No. JSV-GWO/E-32/2023-24-1606-17 Dt:-07-02-2024.

In this context, it is intimated that the Executive Engineer, Jal Shakti Division Indora vide his office letter No. 10089-91 dated 26.02.2024 has submitted that the water samples of all the groundwater sources under division Indora and all the water samples are checked in water testing lab in Indora regularly to monitor water quality which is found satisfactory as per report. Now as per report of The Senior Hydrologist Ground water Organization Jal Shakti Vibhag Una HP vide letter under reference this office has approached to ECO Paryavaran Laboratory & Consultants Pvt. Ltd. vide this office letter no spl-1 Dt:- 07-02-2024 to take water samples in the vicinity of source Jagfir (Long.75.90277778 lat. 31.9730556) to check the water quality.

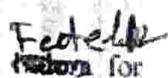
Accordingly the ECO Paryavaran Laboratory & Consultants Pvt. Ltd. checked the area on dated 12-02-2024 and has taken water samples in presence of Shri Sanjeevan Kumar JE of division Fatehpur. There after the report of all water samples is sent to your good office for information and further necessary action at your end please.

DA:- Report


Superintending Engineer,
Jal Shakti Circle Nurpur.

Copy to the Chief Engineer (DZ) Jal Shakti Vibhag, Dharamshala for information.

Copy to the Senior Hydrologist Ground water Organization Jal Shakti Vibhag Una HP for information.

Copy forwarded to the Executive Engineer Jal Shakti Division  for information with reference to his office letter referred above.

Superintending Engineer,
Jal Shakti Circle Nurpur.



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000001189F		Test Report No. : NWAL090224NA006	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Rajesh Auto Electrical Shop- Vil. Jagir)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/01		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	8.20	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	26	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	5.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.85	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.26	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	3.7	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.043	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	BDL	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	BDL	200	400	1	IS 3025 (Part 24) Cl 4.0- Turbidity Method
12	Total Hardness as CaCO3	mg/l	80	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.147	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar

Authorized Signatory-Chemical



ULR No. : TC1181824000001189F			Test Report No. : NWAL090224NA006				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	BDL	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.8	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	63	-	-	1	IS 3025 (Part 45)

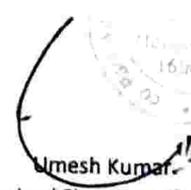
Remarks : Latitude=31.961615N; Longitude=75.89427E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****


 Umesh Kumar
 Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA006/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Rajesh Auto Electrical Shop- Vil. Jagir)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/01		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	469	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	180	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.961615N; Longitude=75.89427E

This test report is the part of Test Report No.NWAL090224NA006

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Umesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



TC-11818

ULR No. :	TC1181824000001190F	Test Report No. :	NWAL090224NA007
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Shiv Mandir, Mohalla- Utkyal)		
Sample Description	Liquid with settleable particles.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/02		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.63	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	61	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	7.0	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.18	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.163	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	33	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.092	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	BDL	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	BDL	200	400	1	IS 3025 (Part 24) Cl 4.0- Turbidity Method
12	Total Hardness as CaCO3	mg/l	288	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	1.172	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar

Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No: 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



ULR No. : TC1181824000001190F				Test Report No. : NWAL090224NA007			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.002	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	2.5	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	63	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.970592N; Longitude=75.902841E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA007/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Shiv Mandir, Mohalla- Utkyal)		
Sample Description	Liquid with settleable particles.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/02		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	665	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	412	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.970592N; Longitude=75.902841E

This test report is the part of Test Report No.NWAL090224NA007

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Omish Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : TC1181824000001191F		Test Report No. : NWAL090224NA008	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Kangra Central Co-Operative Bank- Vill. Sathana)		
Sample Description	Liquid with settleable particles.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/03		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.55	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	22	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	17	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.57	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.062	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	10	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.015	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	2.1	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO ₄	mg/l	12	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO ₃	mg/l	96	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.151	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.8.2-W

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



ULR No. : TC1181824000001191F Test Report No. : NWAL090224NA008

Type of Sample : Water- Drinking Water

16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.004	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.004	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.2	-	-	1	IS 3025 (Part 4S)
21	Sodium as Na	mg/l	133	-	-	1	IS 3025 (Part 4S)

Remarks : Latitude=31.973107N; Longitude=75.910944E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Umesh Kumar

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA008/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Kangra Central Co-Operative Bank- Vill. Sathana)		
Sample Description	Liquid with settleable particles.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/03		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	703	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	380	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.973107N; Longitude=75.910944E

This test report is the part of Test Report No.NWAL090224NA008

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Umesh Kumar
Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No. : TC1181824000001192F		Test Report No. : NWWAL090224NA009	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Ram Kumar House, Mohalla- Dahu Vill.- Sathana)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/04		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.43	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	61	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	35	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.57	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.017	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	23	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.016	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	7.3	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	35	200	400	1	IS 3025 (Part 24) Cl 4.0- Turbidity Method
12	Total Hardness as CaCO3	mg/l	248	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.136	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

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ULR No. : TC1181824000001192F				Test Report No. : NWAL090224NA009			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.01	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.025	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.2	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	154	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.967857N; Longitude=75.91806E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA009/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Ram Kumar House, Mohalla- Dahu Vill.- Sathana)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/04		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	838	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	440	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.967857N; Longitude=75.91806E

This test report is the part of Test Report No.NWAL090224NA009

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Umesh Kumar
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Water- EL-FMT-7.B.2-W

Page No. 1/1

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 | 9781303109 | contact@ecoparyavaran.org | md@ecoparyavaran.org | www.ecoparyavaran.org



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000001193F		Test Report No. : NWAL090224NA010	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Radha Soami Satsang Beas Vill- Sathana)		
Sample Description	liquid with settleable particles.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/05		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	8.15	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	4.8	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	23	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.83	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.242	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	2.0	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.005	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	BDL	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	9.7	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	20	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.53	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar
Authorized Signatory-Chemical

Water- EL-FMT-7.B.2-W

Page No- 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 📞 9781303109 📧 contact@ecoparyavaran.org | md@ecoparyavaran.org 🌐 www.ecoparyavaran.org



ULR No. : TC1181824000001193F Test Report No. : NWAL090224NA010

Type of Sample : Water- Drinking Water

16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.01	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	BDL	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	BDL	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	373	-	-	1	IS 3025 (Part 45)

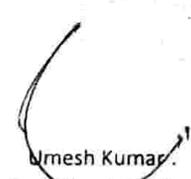
Remarks : Latitude=31.969865N; Longitude=75.922523E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


 Armesh Kumar
 Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA010/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Radha Soami Satsang Beas Vill- Sathana)		
Sample Description	liquid with settleable particles.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/05		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	848	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	452	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.969865N; Longitude=75.922523E

This test report is the part of Test Report No.NWAL090224NA010

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Jmesh Kumar
Authorized Signatory-Chemical



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TEST REPORT



ULR No. : TC1181824000001194F		Test Report No. : NWAL090224NA011	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (if any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Shiv Mandir, Mohalla-Changol Vill. Sathana)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/06		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	8.08	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	3.2	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	99	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.84	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.071	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	4.9	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.009	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	BDL	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	81	200	400	1	IS 3025 (Part 24) Cl 4.0- Turbidity Method
12	Total Hardness as CaCO3	mg/l	28	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.012	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

Umesh Kumar

Authorized Signatory-Chemical



ULR No. : TC1181824000001194F				Test Report No. : NWAL090224NA011			
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	0.01	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	BDL	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	1.2	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	305	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.971441N; Longitude=75.914128E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Umesh Kumar

Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA011/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Divison, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Hand Pump (Near Shiv Mandir, Mohalla-Changol Vill. Sathana)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/06		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	905	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	316	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks : Latitude=31.971441N; Longitude=75.914128E
This test report is the part of Test Report No.NWAL090224NA011

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

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TEST REPORT

ULR No. :	TC1181824000001195F	Test Report No. :	NWAL090224NA012
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Tubewell No.36- Vill. Sathana		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/07		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.78	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	50	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	12	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.14	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.016	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	15	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.007	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	6.0	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	7.0	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	188	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.148	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

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Water- EL-FMT-7.B.2-W

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 ☎ contact@ecoparyavaran.org | md@ecoparyavaran.org ☎ www.ecoparyavaran.org



ULR No. : TC1181824000001195F Test Report No. : NWAL090224NA012

Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.008	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	3.1	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	25	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.968322N; Longitude=75.895966E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA012/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Tubewell No.36- Vill. Sathana		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/07		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	477	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	220	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks :

Latitude=31.968322N; Longitude=75.895966E

This test report is the part of Test Report No.NWAL090224NA012

OTHER INFORMATION

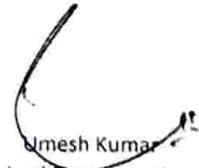
Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


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TEST REPORT

ULR No. : TC1181824000001196F		Test Report No. : NWAL090224NA013	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (Near Nursery Vill.- Ray Sathana Phase-2nd)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/08		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.66	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	21	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	10	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.24	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.005	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	38	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.003	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO3	mg/l	3.3	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO4	mg/l	2.4	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO3	mg/l	208	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.212	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

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ULR No. : TC1181824000001196F			Test Report No. : NWAL090224NA013				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.003	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	2.4	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	18	-	-	1	IS 3025 (Part 45)

Remarks : Latitude=31.961615N; Longitude=75.894271E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA013/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Borewell (Near Nursery Vill.- Ray Sathana Phase-2nd)		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/08		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	394	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	240	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks : Latitude=31.961615N; Longitude=75.894271E
This test report is the part of Test Report No.NWAL090224NA013

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

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TEST REPORT



ULR No. : TC1181824000001197F		Test Report No. : NWAL090224NA014	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Public Tap- Vill. Jagir WSS & Sathana Chhabar		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/09		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	pH @ 25 °C	-	7.84	6.5-8.5	No relaxation	0.5	IS 3025 (Part 11)
2	Calcium as Ca	mg/l	53	75	200	1	IS 3025 (Part 40)
3	Chloride as Cl	mg/l	13	250	1000	1	IS 3025 (Part 32)
4	Copper as Cu	mg/l	BDL	0.05	1.5	0.001	USEPA 3015A
5	Fluoride as F	mg/l	0.78	1.0	1.5	0.1	IS 3025 (Part 60)
6	Iron as Fe	mg/l	0.004	1.0	No relaxation	0.001	USEPA 3015A
7	Magnesium as Mg	mg/l	18	30	100	1	IS 3025 (Part 46)
8	Manganese as Mn	mg/l	0.005	0.1	0.3	0.001	USEPA 3015A
9	Nitrate as NO ₃	mg/l	7.6	45	No relaxation	1	APHA 23rd Ed 4500 B UV Screening Method
10	Selenium as Se	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
11	Sulphate as SO ₄	mg/l	7.4	200	400	1	IS 3025 (Part 24) Cl 4.0-Turbidity Method
12	Total Hardness as CaCO ₃	mg/l	208	200	600	1	IS 3025 (Part 21)
13	Zinc as Zn	mg/l	0.995	5.0	15	0.001	USEPA 3015A
14	Cadmium as Cd	mg/l	BDL	0.003	No relaxation	0.001	USEPA 3015A
15	Lead as Pb	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A

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ULR No. : TC1181824000001197F			Test Report No. : NWAL090224NA014				
Type of Sample : Water- Drinking Water							
16	Nickel as Ni	mg/l	BDL	0.02	No relaxation	0.001	USEPA 3015A
17	Arsenic as As	mg/l	BDL	0.01	No relaxation	0.001	USEPA 3015A
18	Chromium as Cr	mg/l	BDL	0.05	No relaxation	0.001	USEPA 3015A
19	Uranium as U	mg/l	0.005	0.03	No relaxation	0.001	USEPA 3015A
20	Potassium as K	mg/l	2.5	-	-	1	IS 3025 (Part 45)
21	Sodium as Na	mg/l	25	-	-	1	IS 3025 (Part 45)

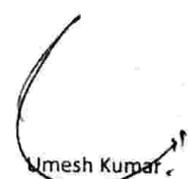
Remarks : Latitude=31.979564N; Longitude=75.869933E

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


 Umesh Kumar
 Authorized Signatory-Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT

ULR No. : NA		Test Report No. : NWAL090224NA014/A	
Type of Sample : Water- Drinking Water			
Customer Name	Executive Engineer	Work Order No. & Date	EE/JSV/FTR/WS/2024-9928-29 Dt.: 07/02/2024
Address	Jal Shakti Division, Fatehpur, Distt. Kangra (HP)	Customer reference No. (If any)	NA
		Date of Sampling	08/02/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	09/02/2024
Sample Collection Mode	Sampling by laboratory	Period of Analysis	09/02/2024 To 14/02/2024
Testing Location	Permanent Facility	Date of Reporting	14/02/2024
Sampling Location	Public Tap- Vill. Jagir WSS & Sathana Chhabar		
Sample Description	Clear, colourless liquid.		
Standard/Specification	IS 10500 : 2012		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked D/08/09		

RESULTS

I. Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Detection Limit	Test Method
1	Conductivity	µmho/cm	402	-	-	1	IS 3025 (Part 14)
2	Bicarbonate as HCO ₃	mg/l	224	-	-	1	IS:3025 (Part-23)
3	Carbonate as CO ₃	mg/l	BDL	-	-	1	IS:3025 (Part-23)
4	Silica as SiO ₂	mg/l	BDL	-	-	1	APHA23rd Ed 4500D-Hetropoly Blue Method

Remarks : Latitude=31.979564N; Longitude=75.869933E
This test report is the part of Test Report No.NWAL090224NA014

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

Amesh Kumar
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