

**Punjab Water Supply & Sewerage Board,  
Plot No.1B, Sector-27A, Chandigarh**

From

Chief Executive Officer

To

National Green Tribunal  
Faridkot House, Copernicus Marg  
New Delhi, 110001

No.PWSSB:2022/ 492

Dated: 09-01-2023

**Subject:- The Original Application (O.A.) no. 490 of 2022 titled as Sunaina versus State of Punjab and others before National Green Tribunal, New Delhi, under the provision of the National Green Tribunal Act, 2010.**

Kindly find enclosed herewith latest testing report of drinking water of Deha Basti (Mirch Mandi) for ready reference.

DA/Copy of report

  
10/01/23  
Engineer In Chief-cum-Technical Advisor  
Punjab w/s & Sewerage Board  
Chandigarh. R

09/01/23



# Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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

## TEST REPORT



ULR No. : TC74772300000059F		Test Report No. : EL040123NW002	
Type of Sample : Water (Drinking Water)		Date of Reporting : 07/01/2023	
Customer	Sub Divisional Engineer PWSS Sub Division, Rajpura, Punjab	Work Order No. & Date	EPL/L/4948 DT:03.01.2023
		Customer reference No. (if any)	NA
Sampling Protocol	NA	Mode of Collection of Sample	Sample Provided by Customer
Date of Sampling	-	Date of Receipt of Sample	04/01/2023
Sampling Location	NA	Testing Location	Permanent Facility
Testing Protocol	IS 10500:2012 (IInd Revision)	Period of Analysis	04/01/2023 To 07/01/2023
Sample Description	Clear, colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked 'Deha Basti (Mirchi Mandi)'		

## RESULTS

### I-Chemical Testing

#### 1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Colour.	Colour Units	BDL(DLS)	5	15	IS:3025 (Part-4) Cl 2.0
2	Odour	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-5)
3	pH @ 25°C	-	7.18	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Taste	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-8)
5	Turbidity	NTU	BDL(DL0.1)	1	5	IS: 3025 (Part-10)
6	Total Dissolved Solids	mg/l	137	500	2000	IS: 3025 (Part-16)
7	Calcium as Ca	mg/l	31	75	200	IS :3025 (Part-40)
8	Chloride as Cl	mg/l	7.0	250	1000	IS:3025 (Part-32)
9	Copper as Cu	mg/l	BDL(DL0.02)	0.05	1.5	IS: 3025 (Part-42)
10	Fluoride as F	mg/l	0.35	1.0	1.5	IS:3025 (Part-60)
11	Iron as Fe.	mg/l	0.16	1.0	No relaxation	APHA-23rd Ed -3500Fe-B Phenanthroline Method
12	Magnesium as Mg	mg/l	8.7	30	100	IS: 3025 (Part-46)
13	Nitrate as NO3	mg/l	4.1	45	No relaxation	APHA-23rd Ed-4500 B UV Screening Method
14	Sulphate as SO4.	mg/l	16	200	400	IS:3025 (Part-24) Cl 4.0- Turbidity Method
15	Total alkalinity as CaCO3.	mg/l	106	200	600	IS: 3025 (Part-23)
16	Total hardness as CaCO3	mg/l	114	200	600	IS:3025(P-21)
17	Zinc as Zn.	mg/l	BDL(DL0.05)	5	15	IS:3025 (Part-49)

Dr. Ajay Kumar

Authorized Signatory-Chemical & Biological

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

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TC-7477

ULR No. : TC74772300000059F		Test Report No. : EL040123NW002			
Type of Sample : Water (Drinking Water)		Date of Reporting : 07/01/2023			
18	Cyanide as CN.	mg/l	BDL(DLO.01)	0.05	No relaxation IS:3025 (Part-27)
19	Total chromium as Cr	mg/l	BDL(DLO.05)	0.05	No relaxation APHA-23rd Ed-3111B A-Ac Flame AAS Method
20	Potassium as K	mg/l	1.4	-	IS:3025 (Part-45)

II - Biological Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Total coliform	CFU/100ml	Absent*	Absent	-	IS:15185
2	E.coll.	CFU/100ml	Absent*	Absent	-	IS:15185

Remarks : \*The result might be affected due to collection of sample in plastic bottle

OTHER INFORMATION

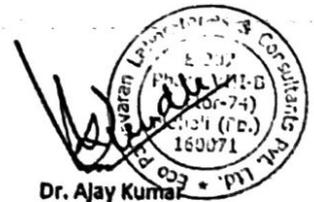
Abbreviation :

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\*\*



Dr. Ajay Kumar

Authorized Signatory-Chemical & Biological



# Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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

## TEST REPORT

ULR No. : NA	Test Report No. : EL040123NW002/A
Type of Sample : Water (Drinking Water)	Date of Reporting : 07/01/2023
Customer Sub Divisional Engineer PWSS Sub Division, Rajpura, Punjab	Work Order No. & Date EPL/L/4948 DT:03.01.2023
	Customer reference No. (If any) NA
Sampling Protocol NA	Mode of Collection of Sample Sample Provided by Customer
Date of Sampling -	Date of Receipt of Sample 04/01/2023
Sampling Location NA	Testing Location Permanent Facility
Testing Protocol IS 10500:2012 (IInd Revision)	Period of Analysis 04/01/2023 To 07/01/2023
Sample Description Clear, colourless liquid.	
Packing, Markings, Seal & Qty. 2 litre Plastic Bottle Marked 'Deha Basti (Mirchi Mandi)'	

## RESULTS

### I-Chemical Testing 1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Cadmium as Cd.	mg/l	BDL(DLO.001)	0.003	No relaxation	IS: 3025(Part-41) Cl 6.0
2	Lead as Pb.	mg/l	BDL(DLO.01)	0.01	No relaxation	IS: 3025 (Part-47) Cl 8.0:1994 RA

Remarks: This test report is the part of Test Report No.EL040123NW002.

### 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\*\*

Hasselpad

  
Dr. Ajay Kumar  
Authorized Signatory-Chemical & Biological