

**BEFORE THE NATIONAL GREEN TRIBUNAL, PRINCIPAL BENCH AT NEW
DELHI**

Original Application No. 243 of 2025


News item titled 'Explainer Why Malwa is facing polluted water crisis
appearing to the Tribunal dated 29.04.2025'.

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THROUGH



DIWAN ADVOCATES
COUNSEL FOR THE DEFENDANT
B-2, DEFENCE COLONY
NEW DELHI- 110024
MOB: +91- 8076293778
Email: service@diwanadvocates.com

New Delhi

Date: 12.09, 2025

**BEFORE THE NATIONAL GREEN TRIBUNAL, PRINCIPAL BENCH AT NEW
DELHI**

Original Application No. 243 of 2025



News item titled 'Explainer Why Malwa is facing polluted water crisis appearing to the Tribunal dated 29.04.2025".

Reply by way of affidavit of Er. Ravi Pal Garg, Environmental Engineer, Punjab Pollution Control Board, Regional Office, Sri Muktsar Sahib in compliance of order dated 16.05.2025 on behalf of Punjab Pollution Control Board i.e respondent no.2.

I the above-named deponent, do hereby, solemnly affirm and state as under:

Respectfully Showeth;

- 1) That briefly submitted, this Hon'ble Tribunal has registered Original Application No. 243 of 2025 in exercise of its suo-moto powers based on the news item titled "Explainer Why Malwa is facing polluted water crisis " appearing in The Tribune dated 29.04.2025. The news item relates to the alleged water pollution problem in the Malwa region of Punjab, particularly in canals across Ferozepur, Faridkot, Muktsar, and Fazilka districts in the southwestern part of the State, due to the inflow of contaminated water. As mentioned in the news item, the situation has arisen because polluted water is flowing into the Sirhind Feeder Canal from the Harike Barrage.

It is further alleged in the news item that the Sutlej River is being polluted by the Buddha Nullah, which flows through the industrial town of Ludhiana and carries untreated wastewater. It is also mentioned in the news item that the reduced water level in the Beas River is considered a major reason why pollutants are more concentrated.

- 2) That after consideration of the matter, this Hon'ble Tribunal was pleased to pass an order dated 16.05.2025 in the above-mentioned case thereby implementing the Member Secretary, Central Pollution Control Board; Member Secretary, Punjab Pollution Control Board and Principal Secretary, Department of Water Supply and Sanitation, Punjab as respondents in the case with direction to file their response / reply. The present reply is being filed by the Punjab Pollution Control Board in compliance to order dated 16.05.2025
- 3) That the deponent is presently working as Environmental Engineer in Punjab Pollution Control Board and is posted in Regional Office of the Board at Sri Muktsar Sahib. The deponent is well conversant with the facts of the case and is competent and authorized to swear and file the present reply by way of affidavit on behalf of respondent no.2 Punjab Pollution Control Board.
- 4) That respectfully it is submitted that the matter came into the notice of the Punjab Pollution Control Board in the April 2025 as some villagers had made a complaint regarding inflow of contaminated water in the distributary channels of Sirhind Canal Feeder in District Fazilka. The Sirhind Canal Feeder originates from Harike bridge after confluence of River Sutlej and Beas. It finally moves to Rajasthan after passing through districts Ferozepur, Faridkot, Muktsar and Fazilka. In order to check the factual situation, the surface water monitoring from the four different distributary channels of the Sirhind Canal Feeder in District Fazilka were carried out jointly by the Punjab Pollution Control Board with the department of Water Supply and Sanitation on 08.04.2025 and 21.04.2025. The detail of the water monitoring carried out on 08.04.2025 and 21.04.2025 is given below for tabular form:

A) Date of sample collection - 08.04.2025

S.No.	Location of sample collection	Parameters analyzed	Test result (Water Quality Analysis)
1	Arniwala Distributary providing canal water to village Tahliwala Jatan and others	General parameters including heavy metals	All the general parameters and heavy metals were found within the permissible limits except total coliform.





		were analyzed.	Analysis report dated 21.04.2025 is enclosed as Annexure R 2/A.
2	Arniwala Distributary providing canal water to village Dhippanwali and others	General parameters including heavy metals were analyzed.	All the general parameters and heavy metals were found within the permissible limits except total coliform. Analysis report dated 21.04.2025 is enclosed as Annexure R 2/B.
3	Arniwala Distributary providing canal water to village Kamalwala and others	General parameters including heavy metals were analyzed.	All the general parameters and heavy metals were found within the permissible limits except total coliform. Analysis report dated 21.04.2025 is enclosed as Annexure R 2/C.
4	Tapping point of Bhagsar Miner providing canal water to village Halem Wala and others	General parameters including heavy metals were analyzed.	All the general parameters and heavy metals were found within the permissible limits except total coliform. Analysis report dated 21.04.2025 is enclosed as Annexure R 2/D.

B) Date of sample collection – 21.04.2025

S.No.	Location of sample collection	Parameters analyzed	Test result (Water Quality Analysis)
1	Arniwala Distributary providing canal water	General parameters including	All the general parameters and heavy metals were

and Sri Muktsar Sahib is discharging its treated or untreated effluent into the drains / canals.

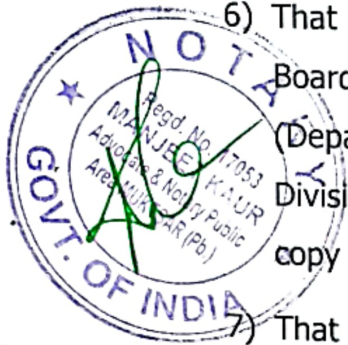
6) That keeping in view the above analysis results, the Punjab Pollution Control Board vide letter no. 1011 dated 13.05.2025 has requested Executive Engineer, (Department of Water Supply and Sanitation), Water Supply and Sanitation Division, Fazilka to control the T.Coli parameter with Chlorine / Hypo dosing. A copy of letter no. 1011 dated 13.05.2025 is enclosed as **Annexure R 2/I**.

7) That further it is submitted that the Government of Punjab has prepared an Action Plan for Clean River Sutlej and has also started the project namely "Rejuvenation of Buddha Nallah" to clean Buddha Nallah so as to reduce pollution level in River Sutlej. Various stake holder Departments have been assigned respective duties in the said action plan with timelines so as to achieve the objective of Clean River Sutlej.

8) That under the Action Plan for Clean River Sutlej, 3 Common Effluent Treatment Plants (CETPs) of total 105 MLD capacity for the treatment of wastewater of dyeing industries have been installed at Ludhiana. The details regarding dyeing cluster, capacity of CETPs, site of installation, technology on which the Common Effluent Treatment Plant is based and existing member units are given in tabular form herein below:

Dyeing Cluster of Ludhiana City	Capacity of CETP	Site of Installation	Based on Technology	Existing Member Units	Disposal of treated Wastewater
Bahadurke Road	15 MLD	Bahadurke Road	SBR	36	Budha Nallah
Tajpur Road	50 MLD	Tajpur Road	SBR	108	Budha Nallah
Focal Point	40 MLD	Tajpur Road	SBR	67	Budha Nallah
Total capacity	105 MLD		Total units	211	

9) That it is relevant to mention here that the dyeing units which do not fall in the catchment area of the Common Effluent Treatment Plant at Ludhiana have



installed their captive Effluent Treatment Plants to treat the wastewater and the treated water is disposed into Municipal Corporation sewer line.

10) That further it is submitted that two new Sewage Treatment Plants (STPs) of capacity 225 MLD & 60 MLD have been constructed at Jamalpur & Balloke to treat domestic effluent of Ludhiana City. Already operational four STPs of Ludhiana City (111 MLD & 50 MLD at Bhattian and 152 MLD & 105 MLD at Balloke) have been rehabilitated. To treat the dairy waste of Ludhiana City, two Effluent Treatment Plants (ETPs) of capacity 3.75 MLD & 2.25 MLD have been commissioned at Haibowal dairy complex & Tajpur Road dairy complex and the ETPs are under stabilization. It is relevant to mention here that 200 cusec fresh canal water is discharged from Sirhind Canal into Buddha Nallah to further improve the water quality.



- 11) That it is pertinent to mention here that the case relating to pollution in Budha Nallah and discharge of treated effluent by the Common Effluent Treatment Plants into Budha Nallah is separately under consideration of this Hon'ble Tribunal in Appeals no.40, 41 and 48 of 2024 alongwith other connected matters.
- 12) That further it is submitted that the Board is carrying out monthly monitoring of water quality and the monitoring of Harike Lake down stream from canal Ferozepur feeder and Rajasthan Feeder shows the quality of water in Category-C as per designated best use of water quality criteria during the months of March, April, May, June and July, 2025. The chart showing the quality of water in Harike Lake downstream from canal Ferozepur feeder and Rajasthan Feeder canal is enclosed as **Annexure R 2/J**. The designated best use of water quality criteria as prescribed by the Central Pollution Control Board is enclosed as **Annexure R 2/K**. Class C water is designated as drinking water source after conventional treatment and disinfection.
- 13) That the Punjab Pollution Control Board has taken appropriate action on the news item published in the Tribunal dated 29.04.2025 under the title 'Explainer: Why Malwa is facing polluted water crisis' as explained in the preceding paragraphs.

14) That the deponent may kindly be allowed to place on record, the short reply on behalf of the Punjab Pollution Control Board in compliance to order dated 16.05.2025 for kind consideration and appropriate orders of this Hon'ble Tribunal.



Date: 11/09/2025
Place: Sri Muktsar Sahib

Deponent
Ravi Pal
(Er. Ravi Pal Garg)
Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, Sri Muktsar Sahib.
(On behalf of Punjab Pollution
Control Board)

Verification:

Verified that the contents of Para No. 1 to 13 of the above short reply by way of affidavit of the deponent are true and correct as derived from the official record. Para no. 14 is prayer. No part of the above reply is false and no material has been concealed therein.

Date: 11/09/2025
Place: Sri Muktsar Sahib


Deponent
Ravi Pal
(Er. Ravi Pal Garg)
Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, Sri Muktsar Sahib.
(On behalf of Punjab Pollution
Control Board)

The deponent/exponent is
identified by *Jas Kaur, JEE*
4836 0815 3576

ATTESTED
[Signature]
MANJEET KAUR
Advocate & Notary Public
App. by Govt. of India
Sri Muktsar Sahib-152026 (Punjab)

11-9-25


Surface Water New 2023-25




PUNJAB POLLUTION CONTROL BOARD

CENTRAL LABORATORY

NABL Accredited & ISO 45001: 2018 (OHS&S) certified Laboratory
 WATER LAB, HEAD OFFICE, SATTAHARAN BHAWAN, PATIALA, PUNJAB
 Email: lab@ppcb.org, Website: www.ppcb.org





TEST REPORT

Test Report Code : SW-125
 Report Issue Date : 21.04.2025
 Report Sent to (Name & Address) : Sample Collected from Arniwala Distributary providing canal water to village Tahliwala Jatan & others
 Date of Sample Receipt : 09.04.2025
 Sample Registration No. : SW-125
 Sample Description : Surface Water Sample
 Type of Sample : Grab
 Analysis Duration : 09.04.2025 to 17.04.2025
 Sampling Location : Sample Collected from Arniwala Distributary providing canal water to village Tahliwala Jatan & others (SW-125)
 Date of Sample Collection : 08.04.2025
 Name of Sample Collecting Officer : Er. Anish Sharma, EE & Sh. Lovkesh Goyal, JE, DWSS
 Sampling Protocol : IS 17614 (Part-10): 2021
 Sample Quantity : 8.0 L
 Sample Packing : Plastic Bottle



Test Results
(Water Quality Analysis)

Sr. No.	Test Parameters	Units	Result	Test Method
			SW-125	
1	pH Value	-	8.2	IS 3025 Part-11
2	Total Suspended Solids (TSS)	mg/l	13	IS 3025 Part-17
3	Total Dissolved Solids (TDS)	mg/l	251	IS 3025 Part-16
4	Chemical Oxygen Demand (COD)	mg/l	35	IS 3025 Part-58
5	Bio-Chemical Oxygen Demand (BOD)	mg/l	7	IS 3025 Part-44
6	Chloride (Cl)	mg/l	29	IS 3025 Part-32
7	Sulphate (SO ₄)	mg/l	25	IS 3025 Part-24, Sec/1
8	Electrical Conductivity	µs/cm	374	IS 3025 Part-14
9	Total Hardness (T.H)	mg/l	136	IS 3025 Part-21
10	Total Alkalinity	mg/l	110	IS 3025 Part-23
11	Turbidity	NTU	<1.0	IS 3025 Part-10
12	Calcium (Ca)	mg/l	38	Apha-24 th Ed 3500-Ca B
13	Magnesium (Mg)	mg/l	10	Apha-24 th Ed 3500-Mg B
14	Nickel (Ni)	mg/l	<0.1	IS 3025, 3111-B
15	Copper (Cu)	mg/l	<0.1	IS 3025, 3111
16	Zinc (Zn)	mg/l	<0.1	IS 3025, 3111
17	Iron (Fe)	mg/l	<0.1	IS 3025, 3111
18	Chromium (Cr)	mg/l	<0.1	IS 3025, 3111

***-End of Report--**

Anish Sharma
 Name, Designation & Signature of Analyst

Avtar Singh
 Name & Designation of Authorized Signatory
 Avtar Singh
 Scientific Officer
 (Seal & Signature)

	PUNJAB POLLUTION CONTROL BOARD CENTRAL LABORATORY <small>NABL Accredited & ISO 45001:2018 (OHS&S) certified Laboratory WATER LAB, HEAD OFFICE, VATAVARAN BHAWAN, PATIALA, PUNJAB Email: g/h/2010, g/h/11/1001, Website: www.ppcbonline.org</small>	
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Test Report Code	: SW-125
Report Issue Date	: 01.04.2025
Report Sent to (Name & Address)	: Sample Collected from Arniwala Distributary providing canal water to village Tahliwala Jatan & others
Date of Sample Receipt	: 09.04.2025
Sample Registration No.	: SW-125
Sample Description	: Surface Water Sample
Type of Sample	: Grab
Analysis Duration	: 09.04.2025 to 17.04.2025
Sampling Location	: Sample Collected from Arniwala Distributary providing canal water to village Tahliwala Jatan & others (SW-125)
Date of Sample Collection	: 08.04.2025
Name of Sample Collecting Officer	: Er. Anish Sharma, EE & Sh. Lovkesh Goyal, JE, DW/SS
Sampling Protocol	: IS 17614 (Part-10): 2021
Sample Quantity	: 8.0 L
Sample Packing	: Plastic Bottle

Test Results
(Water Quality Analysis)

Sr. No.	Test Parameters	Units	Result
			SW-125
1	Nitrate as NO ₃	mg/l	BDL
2	Total Kjeldahl Nitrogen	mg/l	BDL
3	Ammonia	mg/l	BDL
4	Total Fixed Solids	mg/l	214
5	Flouride	mg/l	0.2
6	Boron	mg/l	BDL
7	Potassium	mg/l	9
8	SAR%	-	1.2
9	Arsenic	mg/l	BDL
10	Mercury	mg/l	BDL
11	Cadmium	mg/l	BDL
12	Lead	mg/l	BDL
13	Phenolphthalein Alkalinity	mg/l	BDL
14	Total Coliform MPN/100ml	-	2100
15	Faecal Coliform MPN/100ml	-	200

Note: BDL means below method Detection Limit.

---End of Report---

Endst. No: 13826-28

Dt. 21/04/25

A copy of the above is forwarded to the:-



1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-Bathinda.
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Sri Muktsar Sahib.


Name, Designation & Signature of Analyst

A.C.

Name & Designation of Authorized Signatory

Avtar Singh
Scientific Officer
(Seal & Signature)

	PUNJAB POLLUTION CONTROL BOARD CENTRAL LABORATORY	<small>Surface Water New 2025-26</small> 
	<small>NABL Accredited & ISO 45001:2018 (OHS) certified Laboratory WATER LAB, HEAD OFFICE, VATAVANAY BIRWARA, PATIALA, PUNJAB Email: 1210@ppcb.com, Website: www.ppcbline.org</small>	

TEST REPORT	
Test Report Code	: SW-124
Report Issue Date	: 21.04.2025
Report Sent to (Name & Address)	: Sample Collected from Arniwala Distributary providing canal water to village Dhippanwali & others
Date of Sample Receipt	: 09.04.2025
Sample Registration No.	: SW-124
Sample Description	: Surface Water Sample
Type of Sample	: Grab
Analysis Duration	: 09.04.2025 to 17.04.2025
Sampling Location	: Sample Collected from Arniwala Distributary providing canal water to village Dhippanwali & others (SW-124)
Date of Sample Collection	: 08.04.2025
Name of Sample Collecting Officer	: Er. Anish Sharma, EE & Sh. Lovkesh Goyal, JE, DWSS
Sampling Protocol	: IS 17614 (Part-10): 2021
Sample Quantity	: 8.0 L
Sample Packing	: Plastic Bottle

Test Results
(Water Quality Analysis)


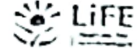
Sr. No.	Test Parameters	Units	Result	Test Method
			SW-124	
1	pH Value	-	8.0	IS 3025 Part-11
2	Total Suspended Solids (TSS)	mg/l	10	IS 3025 Part-17
3	Total Dissolved Solids (TDS)	mg/l	245	IS 3025 Part-16
4	Chemical Oxygen Demand (COD)	mg/l	32	IS 3025 Part-58
5	Bio-Chemical Oxygen Demand (BOD)	mg/l	6	IS 3025 Part-44
6	Chloride (Cl)	mg/l	29	IS 3025 Part-32
7	Sulphate (SO ₄)	mg/l	22	IS 3025 Part-24, Sec/1
8	Electrical Conductivity	µs/cm	390	IS 3025 Part-14
9	Total Hardness (T.H)	mg/l	129	IS 3025 Part-21
10	Total Alkalinity	mg/l	105	IS 3025 Part-23
11	Turbidity	NTU	<1.0	IS 3025 Part-10
12	Calcium (Ca)	mg/l	35	Apha-24 th Ed 3500-Ca B
13	Magnesium (Mg)	mg/l	10	Apha-24 th Ed 3500-Mg B
14	Nickel (Ni)	mg/l	<0.1	IS 3025, 3111-B
15	Copper (Cu)	mg/l	<0.1	IS 3025, 3111
16	Zinc (Zn)	mg/l	<0.1	IS 3025, 3111
17	Iron (Fe)	mg/l	0.2	IS 3025, 3111
18	Chromium (Cr)	mg/l	<0.1	IS 3025, 3111

--End of Report--

K. S. Dhillon
Name, Designation & Signature of Analyst

mjh
Name & Designation of Authorized Signatory

mjh
Avtar Singh
Scientific Officer
(Seal & Signature)

	PUNJAB POLLUTION CONTROL BOARD CENTRAL LABORATORY	
	<small>NABL Accredited & ISO 45001:2018 (OH&S) Certified Laboratory WATER LAB. HEAD OFFICE, SATYAGARAN BHAWAN, PATIALA, PUNJAB Email: gpb2010@gmail.com, Website: www.ppcbline.org</small>	

TEST REPORT

Test Report Code : SW-124
 Report Issue Date : 11.04.2025
 Report Sent to (Name & Address) : Sample Collected from Arniwala Distributary providing canal water to village Dhippanwali & others
 Date of Sample Receipt : 09.04.2025
 Sample Registration No. : SW-124
 Sample Description : Surface Water Sample
 Type of Sample : Grab
 Analysis Duration : 09.04.2025 to 17.04.2025
 Sampling Location : Sample Collected from Arniwala Distributary providing canal water to village Dhippanwali & others (SW-124)
 Date of Sample Collection : 08.04.2025
 Name of Sample Collecting Officer : Er. Anish Sharma, EE & Sh. Lovkesh Goyal, JE, DWSS
 Sampling Protocol : IS 17614 (Part-10): 2021
 Sample Quantity : 8.0 L
 Sample Packing : Plastic Bottle

Test Results
(Water Quality Analysis)

Sr. No.	Test Parameters	Units	Result
			SW-124
1	Nitrate as NO ₃	mg/l	BDL
2	Total Kjeldahl Nitrogen	mg/l	BDL
3	Ammonia	mg/l	BDL
4	Total Fixed Solids	mg/l	BDL
5	Flouride	mg/l	210
6	Boron	mg/l	BDL
7	Potassium	mg/l	BDL
8	SAR ^o	-	5
9	Arsenic	mg/l	13
10	Mercury	mg/l	BDL
11	Cadmium	mg/l	BDL
12	Lead	mg/l	BDL
13	Phenolphthalein Alkalinity	mg/l	BDL
14	Total Coliform MPN/100ml	-	1766
15	Feecal Coliform MPN/100ml	-	179

Note: BDL means below method Detection Limit.

—End of Report—

Endst. No: 13829-31

Dt. 21/04/25



A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-Bathinda.
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Sri Muksar Sahib.

Name, Designation & Signature of Analyst

Name & Designation of Authorized Signatory

Avtar Singh
 Scientific Officer
 (Seal & Signature)

	PUNJAB POLLUTION CONTROL BOARD CENTRAL LABORATORY <small>NABL Accredited & ISO 45001:2018 (OH&S) certified Laboratory</small> <small>WATER LAB. HEAD OFFICE, SAFAYAN BIRWAN, PATIALA, PUNJAB</small> <small>E-mail: lab@ppcb.org, Website: www.ppcb.org</small>	<small>Surface Water New 2025-26</small> 
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Test Report Code	: SW-126
Report Issue Date	: 27.04.2025
Report Sent to (Name & Address)	: Sample Collected from Arniwala Distributary providing fresh canal water to village Kamawala & others (K.W)
Date of Sample Receipt	: 09.04.2025
Sample Registration No.	: SW-126
Sample Description	: Surface Water Sample
Type of Sample	: Grab
Analysis Duration	: 09.04.2025 to 17.04.2025
Sampling Location	: Sample Collected from Arniwala Distributary providing fresh canal water to village Kamawala & others (K.W) (SW-126)
Date of Sample Collection	: 08.04.2025
Name of Sample Collecting Officer	: Er. Anish Sharma, EE & Sh. Lovkesh Goyal, JE, DWSS
Sampling Protocol	: IS 17614 (Part-10): 2021
Sample Quantity	: 8.0 L
Sample Packing	: Plastic Bottle



Test Results
(Water Quality Analysis)

Sr. No.	Test Parameters	Units	Result	Test Method
			SW-126	
1	pH Value	-	8.1	IS 3025 Part-11
2	Total Suspended Solids (TSS)	mg/l	17	IS 3025 Part-17
3	Total Dissolved Solids (TDS)	mg/l	253	IS 3025 Part-16
4	Chemical Oxygen Demand (COD)	mg/l	38	IS 3025 Part-58
5	Bio-Chemical Oxygen Demand (BOD)	mg/l	8	IS 3025 Part-44
6	Chloride (Cl)	mg/l	30	IS 3025 Part-32
7	Sulphate (SO ₄)	mg/l	26	IS 3025 Part-24, Sec/1
8	Electrical Conductivity	µs/cm	382	IS 3025 Part-14
9	Total Hardness (T.H)	mg/l	115	IS 3025 Part-21
10	Total Alkalinity	mg/l	98	IS 3025 Part-23
11	Turbidity	NTU	<1.0	IS 3025 Part-10
12	Calcium (Ca)	mg/l	36	Apha-24 th Ed 3500-Ca B
13	Magnesium (Mg)	mg/l	6	Apha-24 th Ed 3500-Mg B
14	Nickel (Ni)	mg/l	<0.1	IS 3025, 3111-B
15	Copper (Cu)	mg/l	<0.1	IS 3025, 3111
16	Zinc (Zn)	mg/l	<0.1	IS 3025, 3111
17	Iron (Fe)	mg/l	<0.1	IS 3025, 3111
18	Chromium (Cr)	mg/l	<0.1	IS 3025, 3111

End of Report

Name, Designation & Signature of Analyst

Name & Designation of Authorized Signatory
 Avtar Singh
 Scientific Officer
 (Seal & Signature)

	PUNJAB POLLUTION CONTROL BOARD CENTRAL LABORATORY <small>NABL Accredited & ISO 45001:2018 (OHS&S) certified Laboratory</small> <small>WATER LAB, HEAD OFFICE, VATAVARAN NISAWAN, PATIALA, PUNJAB</small> <small>Email: gshb2010@gmail.com, Website: www.ppcb.pcbe.org</small>	
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TEST REPORT Test Report Code : SW-126 Report Issue Date : 21.04.2025 Report Sent to (Name & Address) : Sample Collected from Arniwala Distributary providing fresh canal water to village Kamawala & others (K.W.) Date of Sample Receipt : 09.04.2025 Sample Registration No. : SW-126 Sample Description : Surface Water Sample Type of Sample : Grab Analysis Duration : 09.04.2025 to 17.04.2025 Sampling Location : Sample Collected from Arniwala Distributary providing fresh canal water to village Kamawala & others (K.W.) (SW-126) Date of Sample Collection : 08.04.2025 Name of Sample Collecting Officer : Er. Ansh Sharma, EE & Sh. Lovkesh Goyal, JE, DWSS Sampling Protocol : IS 17614 (Part-10): 2021 Sample Quantity : 8.0 L Sample Packing : Plastic Bottle
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Test Results
(Water Quality Analysis)

Sr. No.	Test Parameters	Units	Result
			SW-126
1	Nitrate as NO ₃	mg/l	BDL
2	Total Kjeldahl Nitrogen	mg/l	BDL
3	Ammonia	mg/l	BDL
4	Total Fixed Solids	mg/l	218
5	Flouride	mg/l	BDL
6	Boron	mg/l	BDL
7	Potassium	mg/l	7
8	SAR%	-	1.0
9	Arsenic	mg/l	BDL
10	Mercury	mg/l	BDL
11	Cadmium	mg/l	BDL
12	Lead	mg/l	BDL
13	Phenolphthalein Alkalinity	mg/l	BDL
14	Total Coliform MPN/100ml	-	2100
15	Faecal Coliform MPN/100ml	-	180

Note: BDL means below method Detection Limit.

End of Report

Endst. No: 13823. 25

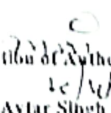
A copy of the above is forwarded to the:-



1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-Bathinda
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Sri Muktsar Sahib.

Name, Designation & Signature of Analyst

AAA

Name & Designation of Authorized Signatory


 Avtar Singh
 Scientific Officer
 (Seal & Signature)

	PUNJAB POLLUTION CONTROL BOARD CENTRAL LABORATORY	
<small>NABL Accredited & ISO 45001:2018 (OHS) certified Laboratory WATER LAB, HEAD OFFICE, VATAVARAN BHAWAN, PATIALA, PUNJAB Email: slub2010@gmail.com, Website: www.ppcbonline.org</small>		

Test Report Code	: SW-127
Report Issue Date	: 21.04.2025
Report Sent to (Name & Address)	: Sample Collected from Tapping point of Bhagsar Miner providing Canal water to Village Halem Wala & others
Date of Sample Receipt	: 09.04.2025
Sample Registration No.	: SW-127
Sample Description	: Surface Water Sample
Type of Sample	: Grab
Analysis Duration	: 09.04.2025 to 17.04.2025
Sampling Location	: Sample Collected from Tapping point of Bhagsar Miner providing Canal water to Village Halem Wala & others (SW-127)
Date of Sample Collection	: 08.04.2025
Name of Sample Collecting Officer	: Er. Anish Sharma, EE & Sh. Lovkesh Goyal, JE, DWSS
Sampling Protocol	: IS 17614 (Part-10): 2021
Sample Quantity	: 8.0 L
Sample Packing	: Plastic Bottle

**Test Results
(Water Quality Analysis)**

Sr. No.	Test Parameters	Units	Result	Test Method
			SW-127	
1	pH Value	-	8.2	IS 3025 Part-11
2	Total Suspended Solids (TSS)	mg/l	22	IS 3025 Part-17
3	Total Dissolved Solids (TDS)	mg/l	248	IS 3025 Part-16
4	Chemical Oxygen Demand (COD)	mg/l	44	IS 3025 Part-58
5	Bio-Chemical Oxygen Demand (BOD)	mg/l	9	IS 3025 Part-44
6	Chloride (Cl)	mg/l	33	IS 3025 Part-32
7	Sulphate (SO ₄)	mg/l	27	IS 3025 Part-24, Sec/1
8	Electrical Conductivity	µs/cm	378	IS 3025 Part-14
9	Total Hardness (T.H)	mg/l	142	IS 3025 Part-21
10	Total Alkalinity	mg/l	103	IS 3025 Part-23
11	Turbidity	NTU	<1.0	IS 3025 Part-10
12	Calcium (Ca)	mg/l	42	Apha-24 th Ed 3500-Ca B
13	Magnesium (Mg)	mg/l	9	Apha-24 th Ed 3500-Mg B
14	Nickel (Ni)	mg/l	<0.1	IS 3025, 3111-B
15	Copper (Cu)	mg/l	<0.1	IS 3025, 3111
16	Zinc (Zn)	mg/l	<0.1	IS 3025, 3111
17	Iron (Fe)	mg/l	0.2	IS 3025, 3111
18	Chromium (Cr)	mg/l	<0.1	IS 3025, 3111

End of Report

Name, Designation & Signature of Analyst

Name & Designation of Authorized Signatory

Avtar Singh
Scientific Officer
(Seal & Signature)



**PUNJAB POLLUTION CONTROL BOARD
CENTRAL LABORATORY**



NABL Accredited & ISO 45001:2018 (OHS&S) certified Laboratory
WATER LAB, HEAD OFFICE, VATAVARAN BHAWAN, PATIALA, PUNJAB
E-mail: polab2010@gmail.com; Website: www.ppcb-online.org

Test Report Code	: SW-127
Report Issue Date	: 11.04.2025
Report Sent to (Name & Address)	: Sample Collected from Tapping point of Bhagsar Miner providing Canal water to Village Halem Wala & others
Date of Sample Receipt	: 09.04.2025
Sample Registration No.	: SW-127
Sample Description	: Surface Water Sample
Type of Sample	: Grab
Analysis Duration	: 09.04.2025 to 17.04.2025
Sampling Location	: Sample Collected from Tapping point of Bhagsar Miner providing Canal water to Village Halem Wala & others (SW-127)
Date of Sample Collection	: 08.04.2025
Name of Sample Collecting Officer	: Er. Anish Sharma, EE & Sh. Lovkesh Goyal, JE, DWSS
Sampling Protocol	: IS 17614 (Part-10): 2021
Sample Quantity	: 8.0 L
Sample Packing	: Plastic Bottle

**Test Results
(Water Quality Analysis)**

Sr. No.	Test Parameters	Units	Result
			SW-127
1	Nitrate as NO ₃	mg/l	BDL
2	Total Kjeldahl Nitrogen	mg/l	BDL
3	Ammonia	mg/l	BDL
4	Total Fixed Solids	mg/l	213
5	Flouride	mg/l	0.3
6	Boron	mg/l	BDL
7	Potassium	mg/l	10
8	SAR%	-	1.2
9	Arsenic	mg/l	BDL
10	Mercury	mg/l	BDL
11	Cadmium	mg/l	BDL
12	Lead	mg/l	BDL
13	Phenolphthalein Alkalinity	mg/l	BDL
14	Total Coliform MPN/100ml	-	2600
15	Fescal Coliform MPN/100ml	-	400

Note: BDL means below method Detection Limit.

--End of Report--

Endst. No: 13820-22

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-Bathinda.
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Sri Muksar Sahib

Name, Designation & Signature of Analyst

8/11

Name & Designation of Authorized Signatory

Avtar Singh
Scientific Officer
(Seal & Signature)



**PUNJAB POLLUTION CONTROL BOARD
CENTRAL LABORATORY**

NABL Accredited & ISO 45001:2018 (OHS) certified Laboratory
WATER LAB, HEAD OFFICE, VATAVARAN BHAWAN, PATIALA, PUNJAB
E-mail: waterlab2019@gmail.com, Website: www.ppcbonline.org



TEST REPORT

Test Report Code : SW-149
Report Issue Date : 05.05.2025
Report Sent to (Name & Address) : Sample Collected from Arniwala Distributary providing canal water to village Tahliwala Jatan to others
Date of Sample Receipt : 22.04.2025
Sample Registration No. : SW-149
Sample Description : Surface Water Sample
Type of Sample : Grab
Analysis Duration : 22.04.2025 to 05.05.2025
Sampling Location : Sample Collected from Arniwala Distributary providing canal water to village Tahliwala Jatan to others (SW-149)
Date of Sample Collection : 21.04.2025
Name of Sample Collecting Officer : Er. Jashandeep Singh, JEE & Sh. Mukesh Kumar, JE PWSSB
Sampling Protocol : IS 17614 (Part-10): 2021
Sample Quantity : 8.0 L
Sample Packing : Plastic Bottle

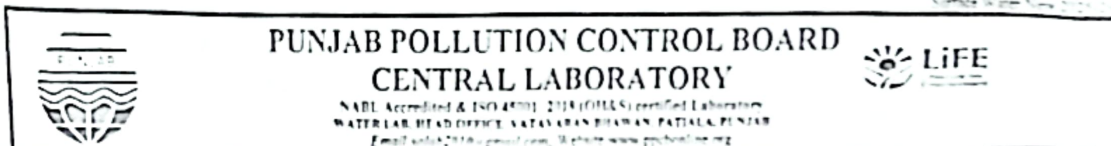
**Test Results
(Water Quality Analysis)**

Sr. No.	Test Parameters	Units	Result	Test Method
			SW-149	
1	pH Value	-	7.5	IS 3025 Part-11
2	Total Suspended Solids (TSS)	mg/l	14	IS 3025 Part-17
3	Total Dissolved Solids (TDS)	mg/l	227	IS 3025 Part-16
4	Chemical Oxygen Demand (COD)	mg/l	20	IS 3025 Part-58
5	Bio-Chemical Oxygen Demand (BOD)	mg/l	<5	IS 3025 Part-44
6	Chloride (Cl)	mg/l	25	IS 3025 Part-32
7	Sulphate (SO ₄)	mg/l	1.6	IS 3025 Part-24, Sec/I
8	Electrical Conductivity	µs/cm	340	IS 3025 Part-14
9	Total Hardness (T.H)	mg/l	106	IS 3025 Part-21
10	Total Alkalinity	mg/l	127	IS 3025 Part-23
11	Turbidity	NTU	<1	IS 3025 Part-10
12	Calcium (Ca)	mg/l	29	Apha-24 th Ed 3500-Ca B
13	Magnesium (Mg)	mg/l	8	Apha-24 th Ed 3500-Mg B
14	Nickel (Ni)	mg/l	<0.1	IS 3025, 3111-B
15	Copper (Cu)	mg/l	<0.1	IS 3025, 3111
16	Zinc (Zn)	mg/l	<0.1	IS 3025, 3111
17	Iron (Fe)	mg/l	<0.1	IS 3025, 3111
18	Chromium (Cr)	mg/l	<0.1	IS 3025, 3111

End of Report

G Singh 4/5/25
Name, Designation & Signature of Analyst

Avtar Singh
Name & Designation of Authorized Signatory
Avtar Singh
Scientific Officer
(Seal & Signature)



PUNJAB POLLUTION CONTROL BOARD
CENTRAL LABORATORY



NABL Accredited & ISO 45001:2018 (OHS) certified Laboratory
WATER LAB. HEAD OFFICE: KATASARAN BHAWAN, PATIALA, PUNJAB
Email: info@2018.ppcb.com, Website: www.ppcb.org

TEST REPORT

Test Report Code : SW-149
Report Issue Date : 05.05.2025
Report Sent to (Name & Address) : Sample Collected from Arniwala Distributary providing canal water to village Tahliwala Jatan to others
Date of Sample Receipt : 22.04.2025
Sample Registration No. : SW-149
Sample Description : Surface Water Sample
Type of Sample : Grab
Analysis Duration : 22.04.2025 to 05.05.2025
Sampling Location : Sample Collected from Arniwala Distributary providing canal water to village Tahliwala Jatan to others (SW-149)
Date of Sample Collection : 21.04.2025
Name of Sample Collecting Officer : Er. Jashandeep Singh, JEE & Sh. Mukesh Kumar, JE PWSSB
Sampling Protocol : IS 17614 (Part-10): 2021
Sample Quantity : 8.0 L
Sample Packing : Plastic Bottle

Test Results
(Water Quality Analysis)

Sr. No.	Test Parameters	Units	Result
			SW-149
1	Nitrate as NO ₃	mg/l	BDL
2	Total Kjeldahl Nitrogen	mg/l	BDL
3	Ammonia	mg/l	BDL
4	Total Fixed Solids	mg/l	193
5	Flouride	mg/l	BDL
6	Boron	mg/l	BDL
7	Potassium	mg/l	6
8	SAR	-	1.02
9	Arsenic	mg/l	BDL
10	Mercury	mg/l	BDL
11	Cadmium	mg/l	BDL
12	Lead	mg/l	BDL
13	Phenolphthalein Alkalinity	mg/l	BDL
14	Total Coliform MPN/100ml	-	1100
15	Faecal Coliform MPN/100ml	-	BDL

Note: BDL means Below method Detection Limit.

--End of Report--

Endst. No: 15513-15

Di. 06/05/25

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-Bathinda.
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Sri Muksar Sahib.

Name, Designation & Signature of Analyst

Name & Designation of Authorized Signatory
Avtar Singh
Scientific Officer
(Seal & Signature)




**PUNJAB POLLUTION CONTROL BOARD
CENTRAL LABORATORY**

NABL Accredited & ISO 45001:2018 (OHS) certified Laboratory
WATER LAB, HEAD OFFICE, VATSAPUR, BHAWAN, PATIALA, PUNJAB
Email: solab2019@gmail.com, Website: www.ppcbonline.org


TEST REPORT

Test Report Code : SW-148
Report Issue Date : 05.05.2025
Report Sent to (Name & Address) : Sample Collected from Arniwala Distributary providing canal water to village Dhippanwali & others
Date of Sample Receipt : 22.04.2025
Sample Registration No. : SW-148
Sample Description : Surface Water Sample
Type of Sample : Grab
Analysis Duration : 22.04.2025 to 05.05.2025
Sampling Location : Sample Collected from Arniwala Distributary providing canal water to village Dhippanwali & others (SW-148)
Date of Sample Collection : 21.04.2025
Name of Sample Collecting Officer : Er. Jashandeep Singh, JEE & Sh. Mukesh Kumar, JE PWSSB
Sampling Protocol : IS 17614 (Part-10): 2021
Sample Quantity : 8.0 L
Sample Packing : Plastic Bottle

**Test Results
(Water Quality Analysis)**

Sr. No.	Test Parameters	Units	Result	Test Method
			SW-148	
1	pH Value	-	8.0	IS 3025 Part-11
2	Total Suspended Solids (TSS)	mg/l	10	IS 3025 Part-17
3	Total Dissolved Solids (TDS)	mg/l	255	IS 3025 Part-16
4	Chemical Oxygen Demand (COD)	mg/l	<5	IS 3025 Part-58
5	Bio-Chemical Oxygen Demand (BOD)	mg/l	<5	IS 3025 Part-44
6	Chloride (Cl)	mg/l	27	IS 3025 Part-32
7	Sulphate (SO ₄)	mg/l	19	IS 3025 Part-24, Sec/I
8	Electrical Conductivity	µs/cm	400	IS 3025 Part-14
9	Total Hardness (T.H)	mg/l	133	IS 3025 Part-21
10	Total Alkalinity	mg/l	192	IS 3025 Part-23
11	Turbidity	NTU	<1	IS 3025 Part-10
12	Calcium (Ca)	mg/l	35	Apha-24 th Ed 3500-Ca B
13	Magnesium (Mg)	mg/l	11	Apha-24 th Ed 3500-Mg B
14	Nickel (Ni)	mg/l	<0.1	IS 3025, 3111-B
15	Copper (Cu)	mg/l	<0.1	IS 3025, 3111
16	Zinc (Zn)	mg/l	<0.1	IS 3025, 3111
17	Iron (Fe)	mg/l	<0.1	IS 3025, 3111
18	Chromium (Cr)	mg/l	<0.1	IS 3025, 3111

End of Report

Gingles/s/as
Name, Designation & Signature of Analyst

S/S/21
Name & Designation of Authorized Signatory
Avtar Singh
Scientific Officer
(Seal & Signature)



PUNJAB POLLUTION CONTROL BOARD

CENTRAL LABORATORY

NABL Accredited & ISO 4001: 2015 (OHS) certified Laboratory
 WATER LAB, HEAD OFFICE, VATASARAN BHAWAN, PATIALA, PUNJAB
 Email: wofah2010@gmail.com, Website: www.ppcbonline.org



TEST REPORT

Test Report Code	: SW-148
Report Issue Date	: 05.05.2025
Report Sent to (Name & Address)	: Sample Collected from Arniwala Distributary providing canal water to village Dhippanwali & others
Date of Sample Receipt	: 22.04.2025
Sample Registration No.	: SW-148
Sample Description	: Surface Water Sample
Type of Sample	: Grab
Analysis Duration	: 22.04.2025 to 05.05.2025
Sampling Location	: Sample Collected from Arniwala Distributary providing canal water to village Dhippanwali & others (SW-148)
Date of Sample Collection	: 21.04.2025
Name of Sample Collecting Officer	: Er. Jashandeep Singh, JEE & Sh. Mukesh Kumar, JE PWSSB
Sampling Protocol	: IS 17614 (Part-10): 2021
Sample Quantity	: 8.0 L
Sample Packing	: Plastic Bottle

ਨਵੀਂ ਡਾਕ
 ਵਤਾ: ਦਿੱਤੀ:
 13/5/25
 12/05

**Test Results
(Water Quality Analysis)**

Sr. No.	Test Parameters	Units	Result
			SW-148
1	Nitrate as NO3	mg/l	BDL
2	Total Kjeldahl Nitrogen	mg/l	BDL
3	Ammonia	mg/l	BDL
4	Total Fixed Solids	mg/l	221
5	Flouride	mg/l	BDL
6	Boron	mg/l	BDL
7	Potassium	mg/l	7
8	SAR	-	0.95
9	Arsenic	mg/l	BDL
10	Mercury	mg/l	BDL
11	Cadmium	mg/l	BDL
12	Lead	mg/l	BDL
13	Phenolphthalein Alkalinity	mg/l	BDL
14	Total Coliform MPN/100ml	-	1700
15	Faecal Coliform MPN/100ml	-	180

Note: BDL means below method Detection Limit.

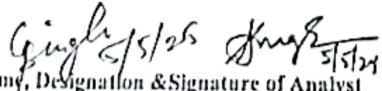
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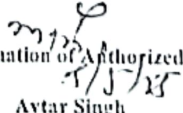
Endst. No: 15510-12

Dt. 06/05/25

A copy of the above is forwarded to the:-


1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-Bathinda.
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Sri Muktsar Sahib.


 Name, Designation & Signature of Analyst



 Name & Designation of Authorized Signatory
 Avtar Singh
 Scientific Officer
 (Seal & Signature)




Surface Water Nov 2024-25



PUNJAB POLLUTION CONTROL BOARD
CENTRAL LABORATORY
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 WATER LAB, HEAD OFFICE, VATAVARAN BHAWAN, PATIALA, PUNJAB
 Email: solab2010@gmail.com, Website: www.ppcb.onlinen.org



TEST REPORT



Test Report Code : SW-150
 Report Issue Date : 05.05.2025
 Report Sent to (Name & Address) : Sample Collected from Arniwala Distributary providing fresh canal water to village Kmalwala to others(K.W)
 Date of Sample Receipt : 22.04.2025
 Sample Registration No. : SW-150
 Sample Description : Surface Water Sample
 Type of Sample : Grab
 Analysis Duration : 22.04.2025 to 05.05.2025
 Sampling Location : Sample Collected from Arniwala Distributary providing fresh canal water to village Kmalwala to others(K.W) (SW-150)
 Date of Sample Collection : 21.04.2025
 Name of Sample Collecting Officer : Er. Jashandeep Singh, JEE & Sh. Mukesh Kumar, JE PWSSB
 Sampling Protocol : IS 17614 (Part-10): 2021
 Sample Quantity : 8.0 L
 Sample Packing : Plastic Bottle


Test Results
(Water Quality Analysis)

Sr. No.	Test Parameters	Units	Result	Test Method
			SW-150	
1	pH Value	-	8.1	IS 3025 Part-11
2	Total Suspended Solids (TSS)	mg/l	16	IS 3025 Part-17
3	Total Dissolved Solids (TDS)	mg/l	199	IS 3025 Part-16
4	Chemical Oxygen Demand (COD)	mg/l	19	IS 3025 Part-58
5	Bio-Chemical Oxygen Demand (BOD)	mg/l	<5	IS 3025 Part-44
6	Chloride (Cl)	mg/l	20	IS 3025 Part-32
7	Sulphate (SO ₄)	mg/l	15	IS 3025 Part-24, Sec/1
8	Electrical Conductivity	µs/cm	305	IS 3025 Part-14
9	Total Hardness (T.H)	mg/l	75	IS 3025 Part-21
10	Total Alkalinity	mg/l	98	IS 3025 Part-23
11	Turbidity	NTU	<1	IS 3025 Part-10
12	Calcium (Ca)	mg/l	20	Apha-24 th Ed 3500-Ca B
13	Magnesium (Mg)	mg/l	6	Apha-24 th Ed 3500-Mg B
14	Nickel (Ni)	mg/l	<0.1	IS 3025, 3111-B
15	Copper (Cu)	mg/l	<0.1	IS 3025, 3111
16	Zinc (Zn)	mg/l	<0.1	IS 3025, 3111
17	Iron (Fe)	mg/l	<0.1	IS 3025, 3111
18	Chromium (Cr)	mg/l	<0.1	IS 3025, 3111


---End of Report---

(Signature)
Name & Designation & Signature of Analyst

(Signature)
Name & Designation of Authorized Signatory
Avtar Singh
Scientific Officer
(Seal & Signature)



PUNJAB POLLUTION CONTROL BOARD
CENTRAL LABORATORY
NABL Accredited & ISO 45001:2018 (OHS) certified Laboratory
 WATER LAB, HEAD OFFICE, KALSAWAN BIHAWAN, PATIALA, PUNJAB
 Email: swhl2018@gmail.com, Website: www.ppcb-online.org



TEST REPORT

Test Report Code : SW-150
 Report Issue Date : 05.05.2025
 Report Sent to (Name & Address) : Sample Collected from Arniwala Distributary providing fresh canal water to village Kamalwala to others(K.W)
 Date of Sample Receipt : 22.04.2025
 Sample Registration No. : SW-150
 Sample Description : Surface Water Sample
 Type of Sample : Grab
 Analysis Duration : 22.04.2025 to 05.05.2025
 Sampling Location : Sample Collected from Arniwala Distributary providing fresh canal water to village Kamalwala to others(K.W) (SW-150)
 Date of Sample Collection : 21.04.2025
 Name of Sample Collecting Officer : Er. Jashandeep Singh, JEE & Sh. Mukesh Kumar, JE PWSSB
 Sampling Protocol : IS 17614 (Part-10): 2021
 Sample Quantity : 8.0 L
 Sample Packing : Plastic Bottle

13/5/25
 22/05/25
 (Handwritten notes and signatures)

Test Results
(Water Quality Analysis)

Sr. No.	Test Parameters	Units	Result
			SW-150
1	Nitrate as NO3	mg/l	BDL
2	Total Kjeldahl Nitrogen	mg/l	BDL
3	Ammonia	mg/l	BDL
4	Total Fixed Solids	mg/l	177
5	Flouride	mg/l	BDL
6	Boron	mg/l	BDL
7	Potassium	mg/l	6
8	SAR	-	1.01
9	Arsenic	mg/l	BDL
10	Mercury	mg/l	BDL
11	Cadmium	mg/l	BDL
12	Lead	mg/l	BDL
13	Phenolphthalein Alkalinity	mg/l	BDL
14	Total Coliform MPN/100ml	-	1100
15	Feacal Coliform MPN/100ml	-	BDL

Note: BDL means below method Detection Limit.

****--End of Report--****


Endst. No: 15516-18

Di. 06/05/25

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-Bathinda.
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Sri Muktsar Sahib.


 Name, Designation & Signature of Analyst


 Name & Designation of Authorized Signatory

Avtar Singh
 Scientific Officer
 (Seal & Signature)



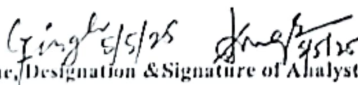
	PUNJAB POLLUTION CONTROL BOARD CENTRAL LABORATORY <small>NABL Accredited (LA 150145001-2018 (011&S) certified Laboratory</small> <small>WATER LAB, HEAD OFFICE, SAHAYAN BHAWAN, PATIALA, PUNJAB</small> <small>Email: solab2019@gmail.com, Website: www.ppcbonline.org</small>	
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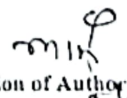
Test Report Code Report Issue Date Report Sent to (Name & Address) Date of Sample Receipt Sample Registration No. Sample Description Type of Sample Analysis Duration Sampling Location Date of Sample Collection Name of Sample Collecting Officer Sampling Protocol Sample Quantity Sample Packing	TEST REPORT : SW-151 : 05.05.2025 : Sample Collected From Tapping point of Bhagsar Miner, providing Canal Water to Vill. Halemwala & others. : 22.04.2025 : SW-151 : Surface Water Sample : Grab : 22.04.2025 to 05.05.2025 : Sample Collected From Tapping point of Bhagsar Miner, providing Canal Water to Vill. Halemwala & others. (SW-151) : 21.04.2025 : Er. Jashandeep Singh, JEE & Sh. Amandeep Singh, BRC, PWSSB : IS 17614 (Part-10): 2021 : 8.0 L : Plastic Bottle
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Test Results
(Water Quality Analysis)

Sr. No.	Test Parameters	Units	Result	Test Method
			SW-151	
1	pH Value	-	8.1	IS 3025 Part-11
2	Total Suspended Solids (TSS)	mg/l	12	IS 3025 Part-17
3	Total Dissolved Solids (TDS)	mg/l	219	IS 3025 Part-16
4	Chemical Oxygen Demand (COD)	mg/l	22	IS 3025 Part-58
5	Bio-Chemical Oxygen Demand (BOD)	mg/l	<5	IS 3025 Part-44
6	Chloride (Cl)	mg/l	22	IS 3025 Part-32
7	Sulphate (SO ₄)	mg/l	17	IS 3025 Part-24, Sec/1
8	Electrical Conductivity	µs/cm	335	IS 3025 Part-14
9	Total Hardness (T.H)	mg/l	89	IS 3025 Part-21
10	Total Alkalinity	mg/l	105	IS 3025 Part-23
11	Turbidity	NTU	<1	IS 3025 Part-10
12	Calcium (Ca)	mg/l	24	Apha-24 th Ed 3500-Ca B
13	Magnesium (Mg)	mg/l	7	Apha-24 th Ed 3500-Mg B
14	Nickel (Ni)	mg/l	<0.1	IS 3025, 3111-B
15	Copper (Cu)	mg/l	<0.1	IS 3025, 3111
16	Zinc (Zn)	mg/l	<0.1	IS 3025, 3111
17	Iron (Fe)	mg/l	<0.1	IS 3025, 3111
18	Chromium (Cr)	mg/l	<0.1	IS 3025, 3111

-End of Report-


 Name, Designation & Signature of Analyst


 Name & Designation of Authorized Signatory
 Avtar Singh
 Scientific Officer
 (Seal & Signature)



PUNJAB POLLUTION CONTROL BOARD
CENTRAL LABORATORY

NABL Accredited & ISO 45001:2018 (OHS) certified Laboratory
 WATER LAB, HEAD OFFICE, VATANABAN BHAWAN, PATIALA, PUNJAB
 Email: safab2010@gmail.com, Web-site: www.ppcbonline.org



TEST REPORT

Test Report Code	: SW-151
Report Issue Date	: 05.05.2025
Report Sent to (Name & Address)	: Sample Collected From Tapping point of Bhagsar Miner, providing Canal Water to Vill. Halemwala & others.
Date of Sample Receipt	: 22.04.2025
Sample Registration No.	: SW-151
Sample Description	: Surface Water Sample
Type of Sample	: Grab
Analysis Duration	: 22.04.2025 to 05.05.2025
Sampling Location	: Sample Collected From Tapping point of Bhagsar Miner, providing Canal Water to Vill. Halemwala & others. (SW-151)
Date of Sample Collection	: 21.04.2025
Name of Sample Collecting Officer	: Er. Jashandeep Singh, JEE & Sh. Amandeep Singh, BRC, PWSSB
Sampling Protocol	: IS 17614 (Part-10): 2021
Sample Quantity	: 8.0 L
Sample Packing	: Plastic Bottle

**Test Results
(Water Quality Analysis)**

Sr. No.	Test Parameters	Units	Result
			SW-151
1	Nitrate as NO ₃	mg/l	BDL
2	Total Kjeldahl Nitrogen	mg/l	BDL
3	Ammonia	mg/l	BDL
4	Total Fixed Solids	mg/l	190
5	Flouride	mg/l	BDL
6	Boron	mg/l	BDL
7	Potassium	mg/l	5
8	SAR	-	1.06
9	Arsenic	mg/l	BDL
10	Mercury	mg/l	BDL
11	Cadmium	mg/l	BDL
12	Lead	mg/l	BDL
13	Phenolphthalein Alkalinity	mg/l	BDL
14	Total Coliform MPN/100ml	-	1400
15	Faecal Coliform MPN/100ml	-	180

Note: BDL means below method Detection Limit.

-End of Report-

Endst. No: 15519-21

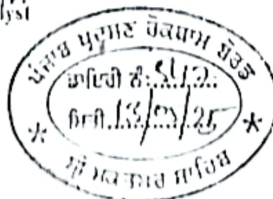
Dt. 06/5/25

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-Bathinda.
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Sri Muktsar Sahib.

Ginglo/5/25
 Name, Designation & Signature of Analyst

Amir
 Name & Designation of Authorized Signatory
 Avtar Singh
 Scientific Officer
 (Seal & Signature)





ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ

PUNJAB POLLUTION CONTROL BOARD



ਨੰਬਰ 1011

ਮਿਤੀ 13/05/25

ਸੇਵਾ ਵਿਖੇ

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਜਲ ਸਪਲਾਈ ਅਤੇ ਸੈਨੀਟੇਸ਼ਨ ਮੰਡਲ,
ਫਾਜ਼ਿਲਕਾ।

ਵਿਸ਼ਾ: - ਵਿਧਾਨ ਸਭਾ ਹਲਕਾ ਜਲਾਲਾਬਾਦ ਵਿੱਚ ਕਨਾਲ ਬੋਸਟ ਸਕੀਮ ਅਧੀਨ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਬਾਰੇ।

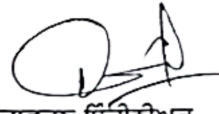
ਹਵਾਲਾ: - ਮਾਨਯੋਗ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ, ਫਾਜ਼ਿਲਕਾ ਜੀ ਦਾ ਪੱਤਰ ਨੰ. ਵਿ.ਕ-1/ਡੀ.ਏ./782 ਮਿਤੀ 07.04.2025
ਅਤੇ ਇਸ ਦਫਤਰ ਦਾ ਪੱਤਰ ਨੰ. 960 ਮਿਤੀ 22.04.2025.

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਅਤੇ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਦੇ ਸਬੰਧ ਵਿੱਚ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਇਸ ਦਫਤਰ ਅਤੇ ਜਲ ਸਪਲਾਈ ਅਤੇ ਸੈਨੀਟੇਸ਼ਨ ਵਿਭਾਗ ਦੇ ਅਧਿਕਾਰੀਆਂ ਦੀ ਟੀਮ ਵੱਲੋਂ ਮਿਤੀ 08.04.2025 ਅਤੇ 21.04.2025 ਨੂੰ ਕੁੱਲ 04 ਵੱਖ-ਵੱਖ ਥਾਵਾਂ ਤੋਂ ਨਹਿਰੀ ਪਾਣੀ ਦੇ ਨਮੂਨੇ ਲਏ ਗਏ ਸਨ ਅਤੇ ਇਹ ਨਮੂਨੇ ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ, ਮੁੱਖ ਦਫਤਰ, ਪਟਿਆਲਾ ਦੀ ਪ੍ਰਯੋਗਸ਼ਾਲਾ ਵਿੱਚ ਨਿਰੀਖਣ ਲਈ ਭੇਜੇ ਗਏ ਸਨ। ਮਿਤੀ 08.04.2025 ਨੂੰ ਲਏ ਗਏ ਨਹਿਰੀ ਪਾਣੀ ਦੇ ਨਮੂਨਿਆਂ ਦੀ ਰਿਪੋਰਟ ਆਪ ਨੂੰ ਇਸ ਦਫਤਰ ਦੇ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਰਾਹੀਂ ਭੇਜ ਦਿੱਤੀਆਂ ਗਈਆਂ ਸਨ। ਹੁਣ, ਮਿਤੀ 21.04.2025 ਨੂੰ ਲਏ ਗਏ ਨਹਿਰੀ ਪਾਣੀ ਦੇ ਨਮੂਨਿਆਂ ਦੀਆਂ ਰਿਪੋਰਟਾਂ ਵੀ ਇਸ ਦਫਤਰ ਵਿੱਚ ਪ੍ਰਾਪਤ ਹੋਈਆਂ ਹਨ, ਜੋ ਕਿ ਇਸ ਪੱਤਰ ਨਾਲ ਨੱਥੀ ਕਰਕੇ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਹਿੱਤ ਭੇਜੀਆਂ ਜਾਂਦੀਆਂ ਹਨ। ਇਨ੍ਹਾਂ ਨਹਿਰੀ ਪਾਣੀ ਦੇ ਮਿਤੀ 08.04.2025 ਅਤੇ 21.04.2025 ਨੂੰ ਲਏ ਗਏ ਨਮੂਨਿਆਂ ਦੀਆਂ ਰਿਪੋਰਟਾਂ ਅਨੁਸਾਰ ਟੋਟਲ ਕੋਲੀਫਾਰਮ ਨੂੰ ਛੱਡ ਕੇ ਬਾਕੀ ਸਾਰੇ ਪੈਰਾਮੀਟਰ ਆਈ.ਐੱਸ.ਓ. ਡਰਿੰਕਿੰਗ ਵਾਟਰ ਸਟੈਂਡਰਡ (Permissible limit in absence of alternate source) ਮੁਤਾਬਿਕ ਨਿਰਧਾਰਿਤ ਮਾਪਦੰਡ ਦੇ ਅੰਦਰ ਹਨ। ਇਸ ਸਬੰਧੀ ਇਹ ਬੇਨਤੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ ਕਿ ਐਫ. ਕੋਲੀ ਪੈਰਾਮੀਟਰ ਨੂੰ ਕੰਟਰੋਲ ਕਰਨ ਲਈ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਤੋਂ ਪਹਿਲਾਂ ਕੋਲੋਰੀਨ/ਹੋਈਪੋ-ਡੇਜਿਨਿੰਗ ਕੀਤੀ ਜਾਵੇ।


ਇਹ ਆਪ ਦੀ ਸੂਚਨਾ ਅਤੇ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਹਿੱਤ ਪੇਸ਼ ਹੈ।

(ਨੱਥੀ ਉਪਰੋਕਤ ਅਨੁਸਾਰ)

ਪਿੱਠ ਅੰਕਣ ਨੰ. 1012


0/c ਵਾਤਾਵਰਣ ਇੰਜੀਨੀਅਰ
ਮਿਤੀ 13/05/25

ਉਪਰੋਕਤ ਦਾ ਉਤਾਰਾ ਮਾਨਯੋਗ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ, ਫਾਜ਼ਿਲਕਾ ਜੀ ਨੂੰ ਸੂਚਨਾ ਹਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ।


0/c ਵਾਤਾਵਰਣ ਇੰਜੀਨੀਅਰ

Harike Lake D/s from canal- Ferozepur feeder										
Month	pH	DO	BOD	Cond	T.Coli	F.Coli	Free Amm.	SAR	B mg/l	Quality of water as per DBU
		mg/l	mg/l	μ S/cm	MPN/100ml	MPN/100ml				
March, 2025	7.7	7.5	1.3	336	3300	1100	0.03	0.19	0.2	C
April, 2025	7.9	7.5	2.1	325	3200	1300	0.05	0.65	0.43	C
May, 2025	7.6	7.8	1.9	444	2700	1100	0.03	0.76	0.33	C
June, 2025	7.6	7.1	1.2	287	4000	1700	0.033	0.37	0.19	C
July, 2025	7.8	7.8	1.8	248	3100	1400	0.014	0.3	*	C
Rajasthan feeder canal										
Month	pH	DO	BOD	Cond	T.Coli	F.Coli	Free Amm.	SAR	B mg/l	Quality of water as per DBU
		mg/l	mg/l	μ S/cm	MPN/100ml	MPN/100ml				
March, 2025	7.7	7.5	2.2	342	2200	1100	0.033	0.27	0.37	C
April, 2025	8	7.2	2.3	365	2700	1100	0.055	0.79	0.25	C
May, 2025	7.4	7.6	2.4	470	2700	1100	0.02	0.76	0.46	C
June, 2025	7.7	7.2	2.2	286	2100	1300	0.036	0.33	0.27	C
July, 2025	7.9	7.8	2	249	2200	1300	0.014	0.57	*	C

Designated Best Use Water Quality Criteria

Designated-Best-Use	Class of water	Criteria
Drinking Water Source without conventional treatment but after disinfection	A	Total Coliforms Organism MPN/100ml shall be 50 or less pH between 6.5 and 8.5 Dissolved Oxygen 6mg/l or more Biochemical Oxygen Demand 5 days 20C 2mg/l or less
Outdoor bathing (Organised)	B	Total Coliforms Organism MPN/100ml shall be 500 or less pH between 6.5 and 8.5 Dissolved Oxygen 5mg/l or more Biochemical Oxygen Demand 5 days 20C 3mg/l or less
Drinking water source after conventional treatment and disinfection	C	Total Coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9 Dissolved Oxygen 4mg/l or more Biochemical Oxygen Demand 5 days 20C 3mg/l or less
Propagation of Wild life and Fisheries	D	pH between 6.5 to 8.5 Dissolved Oxygen 4mg/l or more Free Ammonia (as N) 1.2 mg/l or less
Irrigation, Industrial Cooling, Controlled Waste disposal	E	pH between 6.0 to 8.5 Electrical Conductivity at 25C micro mhos/cm Max. 2250 Sodium absorption Ratio Max. 26 Boron Max. 2mg/l

VAKALATNAMA

NATIONAL GREEN TRIBUNAL
FARIDKOT HOUSE, COPERNICUS MARG, NEW DELHI-110001

OA 243/2025

In re: news Item Titled as 'Explainer why Malwa is facing polluted water crisis appearing in the Tribune dated 29.04.2025

KNOWN ALL to whom these present shall come that I

RAVI PAL, ENVIRONMENTAL ENGINEER, RO, SRI MUKTSAR SAHIB

The above-named authorized representative of the PUNJAB POLLUTION CONTROL BOARD do hereby appoint

DIWAN ADVOCATES

Office: A-450-LGF & B-2, Defence Colony,

New Delhi-110024

Email: service@diwanadvocates.com

Tel No.+91 11 41046363 / 62

Mob:8076293778

(herein after called the advocate/s) to be my/our Advocate in the above noted case authorize him:
To act, appear and plead in the above-noted case in this court or in any other court in which the same may be tried or heard and also in the appellate court, including High Court subject to payment of fee separately for each court by me/us.

To sign, file, verify and present pleadings, appeals, cross objections or petition for executions review, revision, withdrawal, compromise or other petitions or affidavits or other documents as may be deemed necessary or proper for the prosecution of the said case in all its stages subject to payment of Fee for each stages.

To file and take back documents, to admit and/or deny the documents of opposite party.

To withdraw or compromise the said case or submit to arbitration any differences or disputes that may arise touching or in any manner relating to the said case. To take execution proceedings.

To deposit, draw and receive money, cheques, cash and grant receipt thereof and to do all other acts and things which may be necessary to be done for the progress and in the course of the prosecution of the said case.

To appoint or instruct any other legal practitioner authorizing him to exercise the power and authority hereby conferred on the Advocate whenever he may think fit to do so and to sign the power of attorney on our behalf.

And I/we the undersigned do hereby agree to ratify and confirm all acts done by the Advocate or his substitutes in the matter as my/our own acts, as if done by me/us to all intents and purposes.

And I/we undertake that I/we or my/our duly authorized agent would appear in court on all hearings and will inform the Advocate for appearance when the case is called.

And I/We undersigned do hereby agree not to hold the Advocate or his substitute responsible for the result of the said case. The adjournment costs whenever ordered by the court shall be of the Advocate which he shall receive and retain for himself.

And I/We undersigned do hereby agree that in the event of the whole or part of the fee agreed by me/us to be paid to the advocate remains unpaid he shall be entitled to withdraw from the prosecution of the said case until the same is paid up. The Fee settled is only for the above case and above court. I/We hereby agree that once the fee is paid, I/We will not be entitled for the return of the same in any case whatsoever and if the case prolongs for more than three years the original fee shall be paid again by me/us.

IN WITNESS WHEREOF I/We do hereunto set my/our hands to these presents the contents of which have been understood by me/us on this 12th day of Sept, 2025

Accepted subjects to the terms of the fees.

ADVOCATE'S

DR. FARRUKH KHAN- D/616/07

JH JAFRI D/96/1983

CHANGHEZ KHAN D/1791A/07

AMAN DUBEY D/5505/2020

SIGNATURE'S

[Handwritten signatures of Farrukh Khan, JH Jafri, and Aman Dubey]

CLIENT'S SIGNATURES

