

To Stop Release of Untreated Sewerage Water

31

Rao CHIRANJEEV (Rewari):

Will the Chief Minister be pleased to state whether it is a fact that the sewerage water is being released by the Government into Masani Barrage after treatment; if so, the reasons for which the ground water near the villages Kharkhara, Khyaliawas and Niganiawas has been contaminated togetherwith the steps taken by the Government to check the release of untreated sewerage water in Masani Barrage?

**SHRI MANOHAR LAL,
HON'BLE CHIEF MINISTER, HARYANA**

The treated sewerage water is being released by Public Health Engineering Department into Masani Barrage. The water supply in two villages i.e. Village Kharkhara & Village Khyaliawas is being supplied through 3 tubewells & 1 tubewell respectively and the water supply in Village Niganiawas is being supplied through canal based water works. The chemical analysis of the samples of 4 tubewells installed in Villages Kharkhara & Khyaliawas and Hand Pump near Govt. Primary School Niganiawas were got conducted from the District Public Health Engineering Department Lab, Rewari and as per the test results as at Annexure-I to IX, the underground water of the above tubewells were found potable.

अनुपचारित सीवरेज पानी को छोड़ने से रोकना

31

राव चिरंजीव (रेवाड़ी):

क्या मुख्यमंत्री कृपया बताएंगे कि क्या यह तथ्य है कि सरकार द्वारा सीवरेज का पानी उपचार के बाद मसानी बैराज में छोड़ा जा रहा है; यदि हां, तो वे कारण क्या हैं जिसकी वजह से खरखडा, खयालियावास तथा निगानियावास गांवों के निकट भूमिगत पानी दूषित हो गया है तथा मसानी बैराज में अनुपचारित सीवरेज का पानी छोड़ने से रोकने के लिए सरकार द्वारा क्या पग उठाए गए हैं?

श्री मनोहर लाल,
माननीय मुख्यमंत्री, हरियाणा

जन स्वास्थ्य अभियांत्रिकी विभाग द्वारा उपचारित सीवरेज का पानी मसानी बैराज में छोड़ा जा रहा है। गांव खरखडा व गांव खयालियावास में पेयजल आपूर्ति क्रमशः 3 नलकूपों व 1 नलकूप द्वारा की जा रही है तथा गांव निगानियावास में नहर आधारित जलघर से पेयजल आपूर्ति की जा रही है। गांव खरखडा व खयालियावास के 4 नलकूपों एवं निगानियावास के सरकारी प्राथमिक विद्यालय के समीप लगे हुए हैण्ड पम्प के पानी का रासायनिक विश्लेषण जन स्वास्थ्य अभियांत्रिकी विभाग लेब, रेवाड़ी से करवाया गया व परिक्षण रिपोर्ट अनुलग्नक-1 से IX के अनुसार (सलग्न है), इन सभी गांवों का भूमिगत पानी पीने योग्य है।



DISTRICT WATER TESTING LAB
PUBLIC HEALTH ENGINEERING DEPARTMENT
GARHI BOLNI ROAD, REWARI, HARYANA

Annexure - I
अनुलग्नक - I
PHED
Haryana

TEST REPORT

ULR No.: TC934922000000239F	Issue Date: - 01/06/2022
Test Report No. - REW/01025/5/2022	Location: - TW-RWR-KHARKHARA 1, Village Road towards NH 8
Issued to: - Rewari PHED No. 2	Collected by: - Devender
Your Reference No.: - Rewari PHED No. 2(582)	Sample collected on: - 27/05/2022 at 9:28 ✓
Sample Type: - Chemical Test	Sample received on: - 27/05/2022 16:31
Name of JE: - Hemant JE	Sample Quantity: - 1 Ltr.
Lab Job Order No.: - 01025	

Test Result

Test started on: - 01/06/2022				Test completed on: - 01/06/2022		
S No.	Tested Parameter	Results	Unit	Method	Acceptable	Permissible Limit (As per IS 10500:2012 RA 2018)
1	Turbidity	1.04	NTU	APHA 2130-B, 23rd Edition	1 NTU	5 NTU
2	Taste	Agreeable	---	IS 3025 (Part-8), 2017	Agreeable	Agreeable
3	Odour	Agreeable	---	IS 3025 (Part 5): 2018	Agreeable	Agreeable
4	Colour	1	HU	APHA 2120B, 23rd Edition	5 HU	15 HU
5	Total Dissolve Solids @ 180 °C	428	Mg/l	APHA 2540C, 23rd Edition	500 Mg/l	2000 Mg/l
6	Total Hardness (as CaCO ₃)	180	Mg/l	APHA 2340C, 23rd Edition	200 Mg/l	600 Mg/l
7	Calcium as (Ca)	28.05	Mg/l	APHA 3500-Ca B, 23rd Edition	75 Mg/l	200 Mg/l
8	Magnesium (Mg)	26.73	Mg/l	APHA 3500Mg B, 23rd Edition	30 Mg/l	100 Mg/l
9	Total Alkalinity (as CaCO ₃)	350	Mg/l	APHA 2320 B, 23rd Edition	200 Mg/l	600 Mg/l
10	Chlorides (as Cl)	110	Mg/l	APHA 4500 Cl- B, 23rd Edition	250 mg/l	1000 mg/l
11	Sulphate as (SO ₄)	15	Mg/l	APHA 4500-SO ₄ 2- D, E, 23rd Edition	200 Mg/l	400 Mg/l
12	Fluoride as (F)	0.42	Mg/l	APHA 4500-F, D, 23rd Edition	1.0 Mg/l	1.5 Mg/l
13	Iron as (Fe)	0.1	Mg/l	APHA 3500-Fe B, 23rd Edition	1.0 Mg/l	No Relaxation
14	Nitrate as (NO ₃)	19.4	Mg/l	APHA 4500 NO ₃ - D, 23rd Edition	45 Mg/l	No Relaxation
15	pH @ 25 °C	7.52	---	APHA 4500-H+ B, 23rd Edition	6.5-8.5	No Relaxation

Specific contractual notes -

- The results given above are related to the sample as received and tested in PHED Lab Rewari
- The test report can't be regenerated/re-produced in whole or part thereof without written permission of PHED Lab Rewari
- The test report can't be used for any publicity or any legal purpose.
- The samples received shall be destroyed after 15 Days from the date of issue of the certificate.
- Reliability of water sample lies with sender/collector of water sample.

Reviewed by

Kanta Punia
 Authorised Signatory (Kanta Punia)
 Chemist
 District Water Testing Lab PHED,
 Rewari, Haryana



DISTRICT WATER TESTING LAB
PUBLIC HEALTH ENGINEERING DEPARTMENT
GARHI BOLNI ROAD, REWARI, HARYANA

Annexure - II
 अनुसूचक - II
PHED
 Haryana

TEST REPORT

ULR No.: - TC934922000000240F	Issue Date: - 01/06/2022
Test Report No.: - REW/01026/5/2022	Location: - TW-RWR-KHARKHARA 2 // Near Govt. School Kharkhara
Issued to: - Rewari PHED No. 2	Collected by: - Devender
Your Reference No.: - Rewari PHED No. 2(582)	Sample collected on: - 27/05/2022 at 9:29
Sample Type: - Chemical Test	Sample received on: - 27/05/2022 16:31
Name of JE: - Hemant JE	Sample Quantity: - 1 Ltr.
Lab Job Order No.: - 01026	

Test Result

Test started on: - 01/06/2022				Test completed on: - 01/06/2022		
S No.	Tested Parameter	Results	Unit	Method	Acceptable	Permissible Limit (As per IS 10500:2012 RA 2018)
1	Turbidity	<0.5	NTU	APHA 2130-B, 23rd Edition	1 NTU	5 NTU
2	Taste	Agreeable	---	IS 3025 (Part-8), 2017	Agreeable	Agreeable
3	Odour	Agreeable	---	IS 3025 (Part 5): 2018	Agreeable	Agreeable
4	Colour	1	HU	APHA 2120B, 23rd Edition	5 HU	15 HU
5	Total Dissolve Solids @ 180 °C	476	Mg/l	APHA 2540C, 23rd Edition	500 Mg/l	2000 Mg/l
6	Total Hardness (as CaCO ₃)	130	Mg/l	APHA 2340C, 23rd Edition	200 Mg/l	600 Mg/l
7	Calcium as (Ca)	24.04	Mg/l	APHA 3500-Ca B, 23rd Edition	75 Mg/l	200 Mg/l
8	Magnesium (Mg)	17.01	Mg/l	APHA 3500-Mg B, 23rd Edition	30 Mg/l	100 Mg/l
9	Total Alkalinity (as CaCO ₃)	370	Mg/l	APHA 2320 B, 23rd Edition	200 Mg/l	600 Mg/l
10	Chlorides (as Cl)	80	Mg/l	APHA 4500 Cl- B, 23rd Edition	250 mg/l	1000 mg/l
11	Sulphate as (SO ₄)	12	Mg/l	APHA 4500-SO ₄ 2- D, E, 23rd Edition	200 Mg/l	400 Mg/l
12	Fluoride as (F)	0.45	Mg/l	APHA 4500-F, D, 23rd Edition	1.0 Mg/l	1.5 Mg/l
13	Iron as (Fe)	0.1	Mg/l	APHA 3500-Fe B, 23rd Edition	1.0 Mg/l	No Relaxation
14	Nitrate as (NO ₃)	17.2	Mg/l	APHA 4500 NO ₃ - D, 23rd Edition	45 Mg/l	No Relaxation
15	pH @ 25 °C	7.69	---	APHA 4500-H+ B, 23rd Edition	6.5-8.5	No Relaxation

Specific contractual notes: -

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- ♦ Reliability of water sample lies with sender/collector of water sample.

Reviewed by

Authorised Signatory (Kanta Punia)
 Chemist
 District Water Testing Lab PHED,
 Rewari, Haryana



**DISTRICT WATER TESTING LAB
PUBLIC HEALTH ENGINEERING DEPARTMENT
GARHI BOLNI ROAD, REWARI, HARYANA**

Annexure - III
अनुलक्षणक - III
PHED
Haryana

TEST REPORT

ULR No.: - TC934922000000241F	Issue Date: - 01/06/2022
Test Report No.: - REW/01027/5/2022	Location: - TW-RWIL-KHAIKHAHA J // Inside Anganwadi
Issued to: - Rewari PHED No. 2	Collected by: - Devender
Your Reference No.: - Rewari PHED No. 2(582)	Sample collected on: - 27/05/2022 at 9:29
Sample Type: - Chemical Test	Sample received on: - 27/05/2022 16:31
Name of JE: - Hemant JE	Sample Quantity: - 1 Ltr.
Lab Job Order No.: - 01027	

Test Result

Test started on: - 01/06/2022				Test completed on: - 01/06/2022		
S No.	Tested Parameter	Results	Unit	Method	Acceptable	Permissible Limit (As per IS 10500:2012 RA 2018)
1	Turbidity	<0.5	NTU	APHA 2130-B, 23rd Edition	1 NTU	5 NTU
2	Taste	Agreeable	---	IS 3025 (Part-8), 2017	Agreeable	Agreeable
3	Odour	Agreeable	---	IS 3025 (Part 5): 2018	Agreeable	Agreeable
4	Colour	1	HU	APHA 2120B, 23rd Edition	5 HU	15 HU
5	Total Dissolve Solids @ 180 ° C	774	Mg/l	APHA 2540C, 23rd Edition	500 Mg/l	2000 Mg/l
6	Total Hardness (as CaCO ₃)	160	Mg/l	APHA 2340C, 23rd Edition	200 Mg/l	600 Mg/l
7	Calcium as (Ca)	36.07	Mg/l	APHA 3500-Ca B, 23rd Edition	75 Mg/l	200 Mg/l
8	Magnesium (Mg)	17.01	Mg/l	APHA 3500Mg B, 23rd Edition	30 Mg/l	100 Mg/l
9	Total Alkalinity (as CaCO ₃)	320	Mg/l	APHA 2320 B, 23rd Edition	200 Mg/l	600 Mg/l
10	Chlorides (as Cl)	110	Mg/l	APHA 4500 Cl- B, 23rd Edition	250 mg/l	1000 mg/l
11	Sulphate as (SO ₄)	42	Mg/l	APHA 4500-SO ₄ 2- D, E, 23rd Edition	200 Mg/l	400 Mg/l
12	Fluoride as (F)	0.69	Mg/l	APHA 4500-F, D, 23rd Edition	1.0 Mg/l	1.5 Mg/l
13	Iron as (Fe)	0.3	Mg/l	APHA 3500-Fe B, 23rd Edition	1.0 Mg/l	No Relaxation
14	Nitrate as (NO ₃)	14.21	Mg/l	APHA 4500 NO ₃ - D, 23rd Edition	45 Mg/l	No Relaxation
15	pH @ 25 ° C	7.72	---	APHA 4500-H+ B, 23rd Edition	6.5-8.5	No Relaxation

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Reviewed by

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**DISTRICT WATER TESTING LAB
PUBLIC HEALTH ENGINEERING DEPARTMENT
GARHI BOLNI ROAD, REWARI, HARYANA**

Annexure- IV
अनुलग्नक-IV

PHED
Haryana

TEST REPORT

ULR No.: - TC93492200000744F	Issue Date: - 28/11/2022
Test Report No.: - REW/03832/11/2022	Location: - TW-RWR-KHARKHARA 1, VILLAGE ROAD TOWARDS NH 8
Issued for: - Rewari PHED No. 2	Collected by: - Devender
Your Reference No.: - Rewari PHED No. 2 (1346)	Sample collected on: - 24/11/2022 10:14
Sample Type: - Chemical Test	Sample received on: - 24/11/2022 12:20
Name of JE: - Hemant JE	Sample Quantity: - 1 Ltr.
Lab Job Order No.: - 03832	

Test Result

Test started on: - 28/11/2022				Test completed on: - 28/11/2022		
S No.	Tested Parameter	Results	Unit	Method	Acceptable	Permissible Limit (As per IS 10500:2012 RA 2018)
1	Turbidity	0.84	NTU	APHA 2130-B, 23rd Edition	1 NTU	5 NTU
2	Taste	Agreeable	---	IS 3025 (Part-8), 2017	Agreeable	Agreeable
3	Odour	Agreeable	---	IS 3025 (Part 5): 2018	Agreeable	Agreeable
4	Colour	1	HU	APHA2120B, 23rd Edition	5 HU	15 HU
5	Total Dissolve Solids @ 180 °C	462	Mg/l	APHA2540C, 23rd Edition	500 Mg/l	2000 Mg/l
6	Total Hardness (as CaCO ₃)	170	Mg/l	APHA2340C, 23rd Edition	200 Mg/l	600 Mg/l
7	Calcium as (Ca)	32.06	Mg/l	APHA3500-Ca D, 23rd Edition	75 Mg/l	200 Mg/l
8	Magnesium (Mg)	21.87	Mg/l	APHA3500Mg B, 23rd Edition	30 Mg/l	100 Mg/l
9	Total Alkalinity (as CaCO ₃)	300	Mg/l	APHA2320 B, 23rd Edition	200 Mg/l	600 Mg/l
10	Chlorides (as Cl)	120	Mg/l	APHA 4500 Cl- B, 23rd Edition	250 mg/l	1000 mg/l
11	Sulphate as (SO ₄)	45	Mg/l	APHA 4500-SO ₄ 2- D, E, 23rd Edition	200 Mg/l	400 Mg/l
12	Fluoride as (F)	0.48	Mg/l	APHA 4500-F, D, 23rd Edition	1.0 Mg/l	1.5 Mg/l
13	Iron as (Fe)	0.19	Mg/l	APHA 3500-Fe B, 23rd Edition	1.0 Mg/l	No Relaxation
14	Nitrate as (NO ₃)	5.2	Mg/l	APHA 4500 NO ₃ - D, 23rd Edition	45 Mg/l	No Relaxation
15	pH @ 25 °C	7.58	---	APHA 4500-H+ B, 23rd	6.5-8.5	No Relaxation

Specific contractual notes: -

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- Reliability of water sample lies with sender/collector of water sample.

Reviewed by

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DISTRICT WATER TESTING LAB
PUBLIC HEALTH ENGINEERING DEPARTMENT
GARHI BOLNI ROAD, REWARI, HARYANA

Annexure-V
 अनुलग्नक-V

PHED
 Haryana

TEST REPORT

ULR No.: - TC93492200000745F	Issue Date: - 28/11/2022
Test Report No.: - REW/03833/11/2022	Location: - TW-RWR-KHARKHARA 2, NEAR GOVT. SCHOOL KHARKHARA
Issued to: - Rewari PHED No. 2	Collected by: - Devender
Your Reference No.: - Rewari PHED No. 2 (1346)	Sample collected on: - 24/11/2022 10:15
Sample Type: - Chemical Test	Sample received on: - 24/11/2022 12:20
Name of JE: - Hemant JE	Sample Quantity: - 1 Ltr.
Lab Job Order No.: - 03833	

Test Result

Test started on: - 28/11/2022				Test completed on: - 28/11/2022		
S No.	Tested Parameter	Results	Unit	Method	Acceptable	Permissible Limit (As per IS 10500:2012 RA 2018)
1	Turbidity	<0.5	NTU	APHA 2130-B, 23rd Edition	1 NTU	5 NTU
2	Taste	Agreeable	---	IS 3025 (Part-8), 2017	Agreeable	Agreeable
3	Odour	Agreeable	---	IS 3025 (Part 5): 2018	Agreeable	Agreeable
4	Colour	1	HU	APHA 2120B, 23rd Edition	5 HU	15 HU
5	Total Dissolve Solids @ 120 ° C	483	Mg/l	APHA 2540C, 23rd Edition	500 Mg/l	2000 Mg/l
6	Total Hardness (as CaCO ₃)	180	Mg/l	APHA 2340C, 23rd Edition	200 Mg/l	600 Mg/l
7	Calcium as (Ca)	36.07	Mg/l	APHA 3500-Ca B, 23rd Edition	75 Mg/l	200 Mg/l
8	Magnesium (Mg)	21.87	Mg/l	APHA 3500-Mg B, 23rd Edition	30 Mg/l	100 Mg/l
9	Total Alkalinity (as CaCO ₃)	320	Mg/l	APHA 2320 B, 23rd Edition	200 Mg/l	600 Mg/l
10	Chlorides (as Cl)	130	Mg/l	APHA 4500 Cl- B, 23rd Edition	250 mg/l	1000 mg/l
11	Sulphate as (SO ₄)	42	Mg/l	APHA 4500-SO ₄ 2- D, E, 23rd Edition	200 Mg/l	400 Mg/l
12	Fluoride as (F)	0.43	Mg/l	APHA 4500-F, D, 23rd Edition	1.0 Mg/l	1.5 Mg/l
13	Iron as (Fe)	0.18	Mg/l	APHA 3500-Fe B, 23rd Edition	1.0 Mg/l	No Relaxation
14	Nitrate as (NO ₃)	5.0	Mg/l	APHA 4500 NO ₃ - D, 23rd Edition	45 Mg/l	No Relaxation
15	pH @ 25 ° C	7.60	---	APHA 4500-H+ B, 23rd	6.5-8.5	No Relaxation

Specific contractual notes: -

- ♦ The results given above are related to the sample as received and tested in PHED Lab Rowari.
- ♦ The test report can't be regenerated/ re-produced in whole or part thereof without written permission of PHED Lab Rowari.
- ♦ The test report can't be used for any publicity or any legal purpose.
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Reviewed by

Authorized Signatory
 Chemist (Kanta Punia)
 District Water Testing Lab
 PHED, Rowari, Haryana



**DISTRICT WATER TESTING LAB
PUBLIC HEALTH ENGINEERING DEPARTMENT
GARHI BOLNI ROAD, REWARI, HARYANA**

Annexure VI
अनुलग्नक - VI
**PHED
Haryana**

TEST REPORT

UIR No.: IC934922000000746F Test Report No.: REW/03B34/11/2022 Issued to: Rewari PHESD No. 2 Your Reference No.: Rewari PHESD No. 2 (1346) Sample Type: Chemical Test Name of JE: Hemant JE Lab Job Order No.: 03B34	Issue Date: 28/11/2022 Location: TW-RWR-KHARKHARA 3, INSIDE ANGANWADI Collected by: Devender Sample collected on: 24/11/2022 10:15 Sample received on: 24/11/2022 12:20 Sample Quantity: 1 Ltr.
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Test Result

Test started on: 28/11/2022				Test completed on: 28/11/2022		
S No.	Tested Parameter	Results	Unit	Method	Acceptable	Permissible Limit (As per IS 10500:2012 RA 2018)
1	Turbidity	<0.5	NTU	APHA 2130-B, 23rd Edition	1 NTU	5 NTU
2	Taste	Agreeable	---	IS 3025 (Part-8), 2017	Agreeable	Agreeable
3	Odour	Agreeable	---	IS 3025 (Part 5): 2018	Agreeable	Agreeable
4	Colour	1	HU	APHA 2120B, 23rd Edition	5 HU	15 HU
5	Total Dissolve Solids @ 180 °C	694	Mg/l	APHA 2540C, 23rd Edition	500 Mg/l	2000 Mg/l
6	Total Hardness (as CaCO ₃)	230	Mg/l	APHA 2340C, 23rd Edition	200 Mg/l	600 Mg/l
7	Calcium as (Ca)	48.09	Mg/l	APHA 3500-Ca B, 23rd Edition	75 Mg/l	200 Mg/l
8	Magnesium (Mg)	26.73	Mg/l	APHA 3500Mg B, 23rd Edition	30 Mg/l	100 Mg/l
9	Total Alkalinity (as CaCO ₃)	340	Mg/l	APHA 2320 B, 23rd Edition	200 Mg/l	600 Mg/l
10	Chlorides (as Cl)	160	Mg/l	APHA 4500 Cl- B, 23rd Edition	250 mg/l	1000 mg/l
11	Sulphate as (SO ₄)	59	Mg/l	APHA 4500-SO ₄ 2- D, E, 23rd Edition	200 Mg/l	400 Mg/l
12	Fluoride as (F)	0.58	Mg/l	APHA 4500-F, D, 23rd Edition	1.0 Mg/l	1.5 Mg/l
13	Iron as (Fe)	0.28	Mg/l	APHA 3500-Fe B, 23rd Edition	1.0 Mg/l	No Relaxation
14	Nitrate as (NO ₃)	7.6	Mg/l	APHA 4500 NO ₃ - D, 23rd Edition	45 Mg/l	No Relaxation
15	pH @ 25 °C	7.54	---	APHA 4500-H+ B, 23rd	6.5-8.5	No Relaxation

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Reviewed by

Authorized Signatory
Chemist (Kanta Punia)
District Water Testing Lab
PHED, Rewari, Haryana



**DISTRICT WATER TESTING LAB
PUBLIC HEALTH ENGINEERING DEPARTMENT
GARHI BOLNI ROAD, REWARI, HARYANA**

Annexure-VII
अनुसूचक-VII
PHED
Haryana

TEST REPORT

ULR No.: TC93492200000330F	Issue Date: - 09/06/2022
Test Report No.: - REW/01164/6/2022	Location: - TW-RWR-KHALIAWAS I// NEAR BAR MALT COMPANY
Issued to: - Rewari PHESD No. 2	Collected by: - Devender
Your Reference No.: -Rewari PHESD No. 2. (621)	Sample collected on: - 03/06/2022 13:05
Sample Type: - Chemical Test	Sample received on: - 03/06/2022 16:11
Name of JE: - Hemant JE	Sample Quantity: - 1 Ltr.
Lab Job Order No.: - 01164	

Test Result

Test started on: - 09/06/2022				Test completed on: - 09/06/2022		
S No.	Tested Parameter	Results	Unit	Method	Acceptable	Permissible Limit (As per IS 10500:2012 RA 2018)
1	Turbidity	<0.5	NTU	APHA 2130-B, 23rd Edition	1 NTU	5 NTU
2	Taste	Agreeable	---	IS 3025 (Part-8), 2017	Agreeable	Agreeable
3	Odour	Agreeable	---	IS 3025 (Part 5): 2018	Agreeable	Agreeable
4	Colour	1	HU	APHA2120B, 23rd Edition	5 HU	15 HU
5	Total Dissolve Solids @ 180 °C	590	Mg/l	APHA2540C, 23rd Edition	500 Mg/l	2000 Mg/l
6	Total Hardness (as CaCO ₃)	140	Mg/l	APHA2340C, 23rd Edition	200 Mg/l	600 Mg/l
7	Calcium as (Ca)	32.06	Mg/l	APHA3500-Ca B, 23rd Edition	75 Mg/l	200 Mg/l
8	Magnesium (Mg)	14.52	Mg/l	APHA3500Mg B, 23rd Edition	30 Mg/l	100 Mg/l
9	Total Alkalinity (as CaCO ₃)	370	Mg/l	APHA2320 B, 23rd Edition	200 Mg/l	600 Mg/l
10	Chlorides (as Cl)	150	Mg/l	APHA 4500 Cl- B, 23rd Edition	250 mg/l	1000 mg/l
11	Sulphate as (SO ₄)	42	Mg/l	APHA 4500-SO ₄ 2- D, E, 23rd Edition	200 Mg/l	400 Mg/l
12	Fluoride as (F)	1.29	Mg/l	APHA 4500-F, D, 23rd Edition	1.0 Mg/l	1.5 Mg/l
13	Iron as (Fe)	<0.1	Mg/l	APHA 3500-Fe B, 23rd Edition	1.0 Mg/l	No Relaxation
14	Nitrate as (NO ₃)	2.3	Mg/l	APHA 4500 NO ₃ - D, 23rd Edition	45 Mg/l	No Relaxation
15	pH @ 25 °C	8.12	---	APHA 4500-H+ B, 23rd Edition	6.5-8.5	No Relaxation

Specific contractual notes: -

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- ♦ The samples received shall be destroyed after 15 Days from the date of issue of the certificate.
- ♦ Reliability of water sample lies with sender/collector of water sample.

Reviewed by

Kanta Punia
Authorised Signatory (Kanta Punia)
Chemist
District Water Testing Lab PHED,
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**DISTRICT WATER TESTING LAB
PUBLIC HEALTH ENGINEERING DEPARTMENT
GARHI BOLNI ROAD, REWARI, HARYANA**

Annexure - VII
अनुसूचक - VIII
PHED
Haryana

TEST REPORT

ULR No.: - TC93492200000754F	Issue Date: - 29/11/2022
Test Report No.: - REW/03S42/11/2022	Location: - TW-RWR-KHALIAWAS 1, KHALIAWAS (NEAR BAR MALT COMPANY)
Issued to: - Rewari PHESD No. 2	Collected by: - Devender
Your Reference No.: - Rewari PHESD No. 2 (1346)	Sample collected on: - 24/11/2022 10:21
Sample Type: - Chemical Test	Sample received on: - 24/11/2022 12:21
Name of JE: - Hemant JE	Sample Quantity: - 1 Ltr.
Lab Job Order No.: - 03S42	

Test Result

Test started on: - 29/11/2022				Test completed on: - 29/11/2022		
S No.	Tested Parameter	Results	Unit	Method	Acceptable	Permissible Limit (As per IS 10500:2012 RA 2018)
1	Turbidity	<0.5	NTU	APHA 2130-B, 23rd Edition	1 NTU	5 NTU
2	Taste	Agreeable	---	IS 3025 (Part-8), 2017	Agreeable	Agreeable
3	Odour	Agreeable	---	IS 3025 (Part 5): 2018	Agreeable	Agreeable
4	Colour	1	HU	APHA2120B, 23rd Edition	5 HU	15 HU
5	Total Dissolve Solids @ 180 °C	593	Mg/l	APHA2540C, 23rd Edition	500 Mg/l	2000 Mg/l
6	Total Hardness (as CaCO ₃)	150	Mg/l	APHA2340C, 23rd Edition	200 Mg/l	600 Mg/l
7	Calcium as (Ca)	36.07	Mg/l	APHA3500-Ca B, 23rd Edition	75 Mg/l	200 Mg/l
8	Magnesium (Mg)	14.58	Mg/l	APHA3500Mg B, 23rd Edition	30 Mg/l	100 Mg/l
9	Total Alkalinity (as CaCO ₃)	350	Mg/l	APHA2320 B, 23rd Edition	200 Mg/l	600 Mg/l
10	Chlorides (as Cl)	160	Mg/l	APHA 4500 Cl- B, 23rd Edition	250 mg/l	1000 mg/l
11	Sulphate as (SO ₄)	38	Mg/l	APHA 4500-SO ₄ 2- D, E, 23rd Edition	200 Mg/l	400 Mg/l
12	Fluoride as (F)	1.31	Mg/l	APHA 4500-F, D, 23rd Edition	1.0 Mg/l	1.5 Mg/l
13	Iron as (Fe)	0.15	Mg/l	APHA 3500-Fe B, 23rd Edition	1.0 Mg/l	No Relaxation
14	Nitrate as (NO ₃)	2.4	Mg/l	APHA 4500 NO ₃ - D, 23rd Edition	45 Mg/l	No Relaxation
15	pH @ 25 °C	8.10	---	APHA 4500-H+ B, 23rd	6.5-8.5	No Relaxation

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Reviewed by

Authorised Signatory
Chemist (Kanta Punia)
District Water Testing Lab
PHED, Rewari, Haryana

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DISTRICT WATER TESTING LAB
PUBLIC HEALTH ENGINEERING DEPARTMENT
GARHI BOLNI ROAD, REWARI, HARYANA

Annexure- IX
3-12-2022 - IX
PHED
Haryana

TEST REPORT

ULR No.: - TC93492200000891F Test Report No.: - REW/04235/12/2022 Issued to: - Dharuhera PHESD Your Reference No.: - Dharuhera PHESD (SPL) Sample Type: - Chemical Test Name of JE: - Dalveer JE Lab Job Order No.: - 04235	Issue Date: - 16/12/2022 Location: - Hand pump near govt. primary school Niganiawas Collected by: - Prakash Yadav Sample collected on: - 16/12/2022 16:59 Sample received on: - 16/12/2022 17:07 Sample Quantity: - 1 Ltr.
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Test Result

Test started on: - 16/12/2022				Test completed on: - 16/12/2022		
S No.	Tested Parameter	Results	Unit	Method	Acceptable	Permissible Limit (As per IS 10500:2012 RA 2018)
1	Turbidity	0.64	NTU	APHA 2130-B, 23rd Edition	1 NTU	5 NTU
2	Taste	Agreeable	---	IS 3025 (Part-8), 2017	Agreeable	Agreeable
3	Odour	Agreeable	---	IS 3025 (Part 5): 2018	Agreeable	Agreeable
4	Colour	1	HU	APHA 2120B, 23rd Edition	5 HU	15 HU
5	Total Dissolve Solids @ 180 °C	654	Mg/l	APHA 2540C, 23rd Edition	500 Mg/l	2000 Mg/l
6	Total Hardness (as CaCO ₃)	240	Mg/l	APHA 2340C, 23rd Edition	200 Mg/l	600 Mg/l
7	Calcium as (Ca)	36.07	Mg/l	APHA 3500-Ca B, 23rd Edition	75 Mg/l	200 Mg/l
8	Magnesium (Mg)	36.45	Mg/l	APHA 3500Mg B, 23rd Edition	30 Mg/l	100 Mg/l
9	Total Alkalinity (as CaCO ₃)	360	Mg/l	APHA 2320 B, 23rd Edition	200 Mg/l	600 Mg/l
10	Chlorides (as Cl)	200	Mg/l	APHA 4500 Cl- B, 23rd Edition	250 mg/l	1000 mg/l
11	Sulphate as (SO ₄)	42	Mg/l	APHA 4500-SO ₄ 2- D, E, 23rd Edition	200 Mg/l	400 Mg/l
12	Fluoride as (F)	1.39	Mg/l	APHA 4500-F, D, 23rd Edition	1.0 Mg/l	1.5 Mg/l
13	Iron as (Fe)	0.11	Mg/l	APHA 3500-Fe B, 23rd Edition	1.0 Mg/l	No Relaxation
14	Nitrate as (NO ₃)	6.8	Mg/l	APHA 4500 NO ₃ - D, 23rd Edition	45 Mg/l	No Relaxation
15	pH @ 25 °C	7.64	---	APHA 4500-H+ B, 23rd	6.5-8.5	No Relaxation

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