

Project Name :	Implementation of various rural water supply project including O&M for 10 Year for Sultangarh, Block-Khajuha, District-Fatehpur of the State of Uttar Pradesh Under Jal Jeevan Mission	
	Actual Lowering Chart at Vill. Sultangarh 200*300	Discharge = 1000 LPM

Gram Panchayat : Sultangarh  
Block : Khajuha  
District : Fatehpur

Sr No.		
1	TW Const. By	M/s PMPL- BRCCPL(JV)
2	Size of Borewell	200*300
3	Date of Logging	14-06-23
4	Date of Lowering	20-06-23

#### Abstract of Pipe

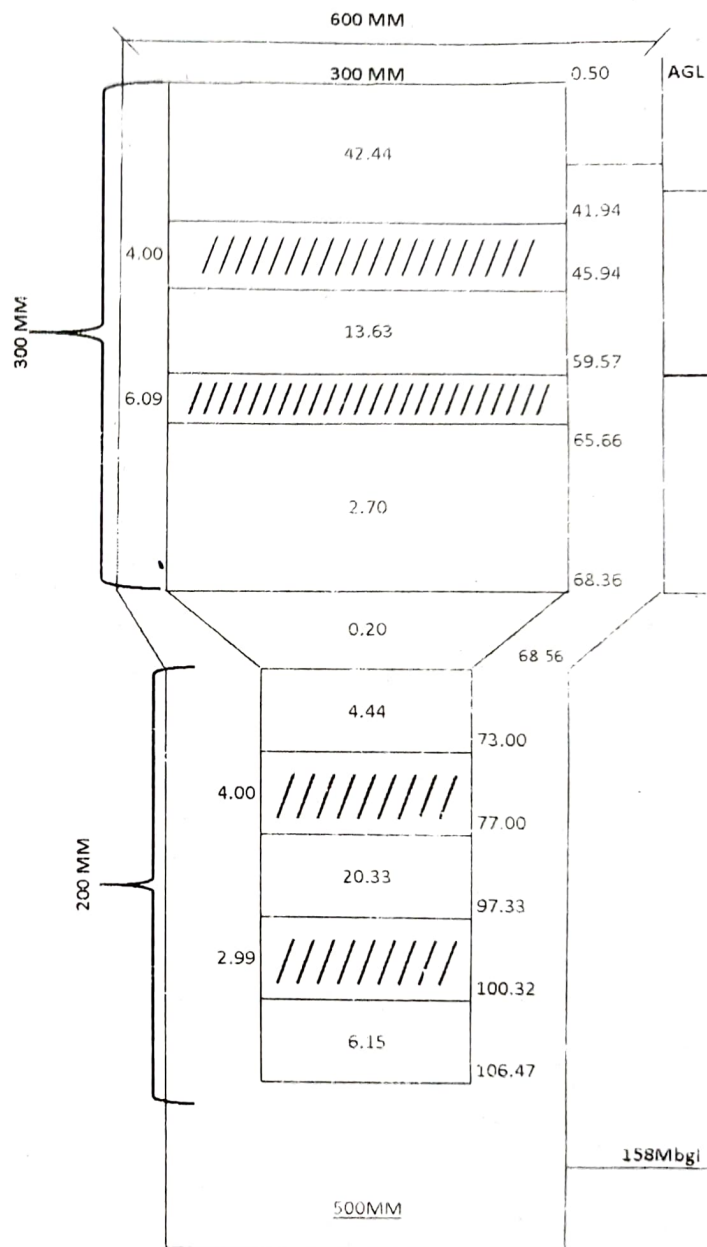
Sr. No.	Discription	UOM	Item	Qty
1	300 MM	MTR	PLAIN PIPE	58.77
2	300 MM	MTR	SLOTTED PIPE	10.09
2	300x200 MM	MTR	Reducer	0.20
3	200 MM	MTR	PLAIN PIPE	30.92
4	200 MM	MTR	SLOTTED PIPE	6.99
			<b>Total Length</b>	<b>106.97</b>

#### Logging Report

Sr. No.	Discription	Thickess(M)	Quality of G.W
1	39-47	8	ALL GOOD
2	59-66	7	
3	75-77	4	
4	98-101	3	

Note :- 1:-All zone intermixed with thin bands of kankar.

2:- The formation water quality is deteriorating below 121mbgl to till logged.



*Abay*  
TRIAL/ME/Engineer

*Abok*  
Junior Engineer

*Abok*  
Assistant Engineer

*Abok*  
Executive Engineer



# Jal Jeevan Mission

## Har Ghar Jal



### Regional Water Analysis Laboratory, U.P Jal Nigam, (Rural), Prayagraj

Office of Executive Engineer, Khand karyalaya, U.P. Jal Nigam (Rural), Tulapur Pani Ki Tanki, Jhunsi, Prayagraj. pin 211019 (Test Address only)

#### Test report

Sample ID:

U719011514070345

#### User Information

Name:

Syed Mohd shabaz

Mobile:

9473942669

Email:

ee2cdupjn.alld@gmail.com

Pin  
Code:

Full  
Address:

Village- Not available , Gram Panchayat- Not available, Block- Not available, District- Prayagraj, State- Uttar Pradesh

#### Sample description

Source  
of  
Sample:

Others, location : Sultangarh WSS

Village:

Sultangarh

Gram  
Panchayat:

Sultangarh

Block:

Khajuha

District:

Fatehpur

State:

Uttar Pradesh

Address:

Remarks:

Gram- Sultangarh WSS, Block- Khajuha, Dist- Fatehpur

Latitude:

Longitude:

Date & time of sample collection

13.07.2023 | 03:05:00 PM

Date & time of sample received in lab

14.07.2023 | 04:44:00 PM

Date & time of sample analysed

26.08.2023 | 04:21:00 PM

Date & time of report generation

08.09.2023 | 03:54:04 PM

#### Test results

Sr. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Remarks
1	Calcium (as Ca)*	mg/l	75	200	28.800	
2	Chloride (as Cl)*	mg/l	250	1000	59.700	
3	Fluoride (as F)*	mg/l	1	1.5	0.960	
4	Free residual Chlorine	mg/l	0.2	1	0.000	
5	Iron (As Fe)*	mg/l	1	No Relaxation	0.140	

Sr. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Remarks
6	Magnesium (As Mg)*	mg/l	30	100	46.700	
7	Nitrate (as NO <sub>3</sub> )*	mg/l	45	No Relaxation	1.610	
8	Odour*	NA	Agreeable	Agreeable	0.000	
9	pH*	NA	6.5-8.5	No Relaxation	7.830	
10	Sulphate (as SO <sub>4</sub> )*	mg/l	200	400	37.470	
11	Taste*	NA	Agreeable	Agreeable	0.000	
12	TDS*	mg/l	500	2000	490.000	
13	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	386.400	
14	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.000	NT
15	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
16	Total Hardness (As CaCO <sub>3</sub> )*	mg/l	200	600	264.000	
17	Turbidity*	NTU	1	5	0.460	

**Note:**

- 1)\*Indicates parameters that are NABL accredited.
- 2)This test results related to the sample tested above
- 3)The report shall not to be reproduced in full without approval of authority
- 4)This is the end of the report

**Authorised signatory**  
Archana Verma (Test Lab Incharge)

**Jal Jeevan Mission aims at potable tap water supply to every home**

Let's join hands to ensure drinking water is potable. It helps in preventing water borne diseases and improve public health.

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# AllGeo Solutions

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Ref. No. : AGS/EL/2023/FTP-101  
Date : 15/06/2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site Name : Sultangarh  
Location : 25.958077, 80.428133  
Block : Khajua  
District : Fatehpur  
State : Uttar Pradesh  
Logging Depth : ~~142 Mbgl~~  
Rm/Rw : ~~12/10~~  
Date of Logging : 14-Jun-2023  
Logged By : Mr. Sadik Sheikh (Wellsite Geologist)  
Logger Make : GIT  
Tubewell Drilled By : M/S PMPL-BRCCPL (JV) Fatehpur, Uttar Pradesh  
Representative : M/S MRCPL, Fatehpur

Based on the interpretation of Self Potential(SP), Short Normal( N-16''), Long Normal(N-64'') and Lateral(6'') Geophysical Logs, following informations/granular zones have been deciphered with respect to Salinity only:

Sl No.	Depth Range (mbgl)	Thickness (meters)	Quality Remarks (in term of Salinity)
<del>1</del>	<del>39-47</del>	<del>8</del>	<del>Good</del>
<del>2</del>	<del>59-66</del>	<del>7</del>	<del>Good</del>
<del>3</del>	<del>73-77</del>	<del>4</del>	<del>Good</del>
<del>4</del>	<del>98-101</del>	<del>3</del>	<del>Good</del>

Note: ~~1- All zone intermixed with thin bands of kankar.~~

~~2- The formation water quality is deteriorating below 121mbgl to till depth logged .~~

*Verified as per  
logs provided  
G.Sh  
15/06/23*



Address: PNP-3, Software Technology Parks of India (STPI) Motilal Nehru National Institute of Technology Campus, Near Ganga Gate Teliarganj, Prayagraj 211004, Uttar Pradesh, India, Email: