



Jal Jeevan Mission

Har Ghar Jal



District Level Water Analysis Laboratory , U.P Jal Nigam (Rural), ALIGARH

BUILDINGNO 01, ADHIKSHAN ABHIYANTA KARYALAYA, NIRMAN MANDAL, U.P. JAL NIGAM, RAMGHATROAD, ALIGARH ALIGARH,UTTARPRADESH-202001 (Test Address only)

Test report

Sample ID:

U1716871S13598624

User Information

Name:

Kalpataru Projects International Limited

Mobile:

9098864227

Email:

ssinfra@gmail.com

Pin Code:

Full Address:

Village- Pehara Majra Kabir Pur , Gram Panchayat- Pehara Majra Kabir Pur, Block- Shitalpur, District- Etah, State- Uttar Pradesh

Sample description

Source of Sample:

Tube well / Bore well / Well

Village:

Dhuayai

Gram Panchayat:

Dhuayai

Block:

Shitalpur

District:

Etah

State:

Uttar Pradesh

Address:

Remarks:

Latitude:

Longitude:

Date & time of sample collection

14.07.2023 | 10:37:00 AM

Date & time of sample received in lab

14.07.2023 | 04:56:00 PM

Date & time of sample analysed

14.07.2023 | 08:45:00 PM

Date & time of report generation

14.07.2023 | 08:45:00 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	41.800	
2	Chloride (as Cl)*	mg/l	250	1000	52.000	
3	Colour*	Hazen units	5	15	1.000	
4	E. coli	CFU/100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
5	Fluoride (as F)*	mg/l	1	1.5	0.660	

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	Iron (As Fe)*	mg/l	1	No Relaxation	0.050	
7	Magnesium (As Mg)*	mg/l	30	100	32.100	
8	Nitrate (as NO ₃)*	mg/l	45	No Relaxation	21.900	
9	Odour*	NA	Agreeable	Agreeable	0.000	
10	pH*	NA	6.5-8.5	No Relaxation	7.600	
11	Sulphate (as SO ₄)*	mg/l	200	400	8.400	
12	Taste*	NA	Agreeable	Agreeable	0.000	
13	TDS*	mg/l	500	2000	408.000	
14	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	288.000	
15	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.000	
16	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
17	Total Hardness (As CaCO ₃)*	mg/l	200	600	230.000	
18	Turbidity*	NTU	1	5	1.120	

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
Shailender rajawat (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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QUALITY MANAGEMENT
SYSTEM

Format No :
KPTL/232221F/00023

DEPTH OF STARTA
PROPOSED ASSEMBLY DETAILS

Block- Sheetalpur
GP- Mhree

SL.	DPR Details - Lowering Date -
1	Water Discharge in LPM - 520
2.	Bore well Drilling dia- 500
3.	Bore well Drilling depth- 110

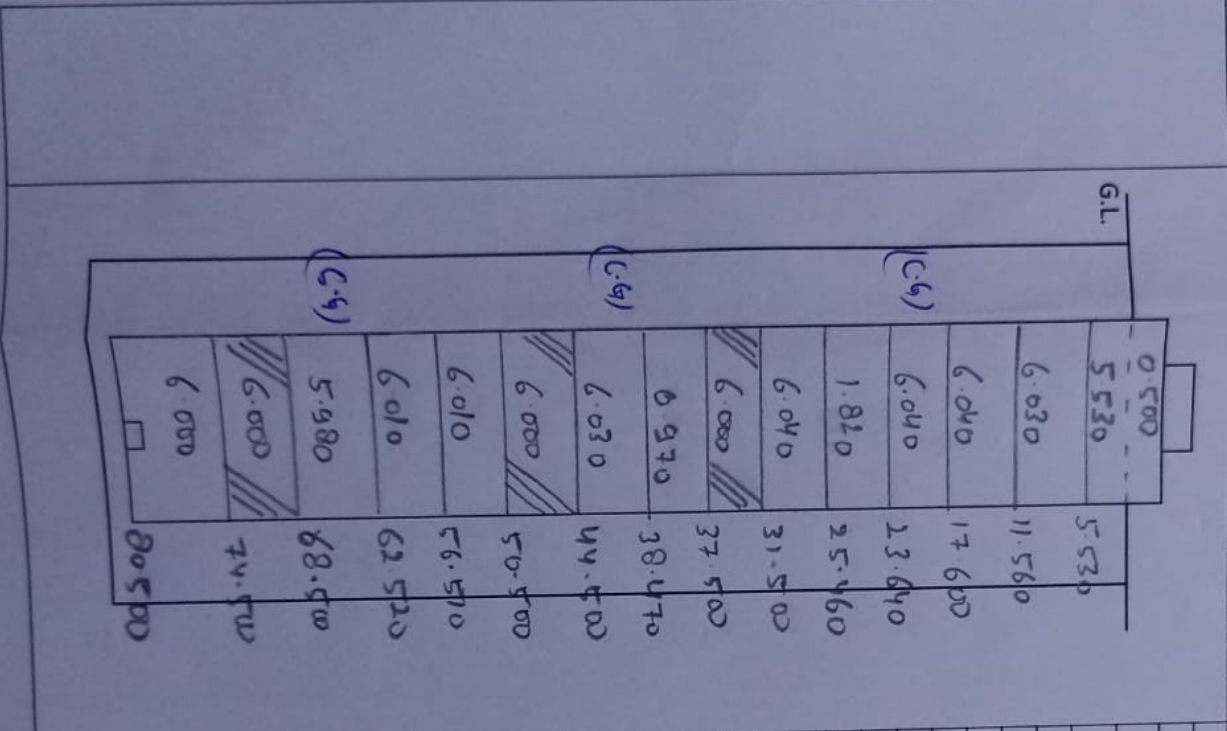
LOGGING REPORT

Depth-	83	Date-	15/04/2023
SL.	Depth Range	Thickness	Remarks
1	22-38	16m	
2	44-51	07m	
3	68-75	07m	
4			
5			
6			
7			
8			
9			
10			
11			

Assembly Details
3 200mm ϕ housing pipe AGL = 6.500m
= Total Assembly = 81.000

Proposed Assembly for Lowering

1. 300mm dia MS Plain Pipe-
2. 200mm dia MS Plain Pipe 6300m
3. 200mm dia MS Slotted Pipe- 18
4. 200mm dia LCG Pipe -
5. 300/200 mm dia Reducer -
6. MS Bail Plug- 01
7. MS Ring - 14
8. MSSl Clamp- 01
9. Centre Guide - 03
10. TW Assembly Support- 01
11. Pea Gravel Packing- 19.06Cum
12. well cap - 01



Radumrah
KPTL 21/04/2023

TPI

CLIENT (UPJN)

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHUEE, BLOCK- SHITALPUR, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth ~~83~~ mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Etah.

On the request of M/s Kalpataru Power Transmission limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 15.April.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

(Low Value ←
Res) Mud Resistivity = 11.29 Ohms.
Drilling Water Resistivity = 12.40 Ohms.
Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 17	7	Fine sand	
4.	17 - 22	5	Clay kankar	
5.	22 - 38*	16	Medium sand	Medium
6.	38 - 44	6	Clay kankar	
7.	44 - 51*	7	Medium sand	Med to Marginally
8.	51 - 54	3	Clay kankar	
9.	54 - 57	3	Sand & kankar	
10.	57 - 68	11	Clay kankar	
11.	68 - 75*	7	Fine to Medium sand	Med to Marginally
12.	75 - 83	8	Clay kankar	

Sr No 11-70-75

G.Sh
17/04/23



- Logging performed as per SWSI guidelines.

- Groundwater quality interpreted by firm as per their logger calibration.

GP → Dhruce, Block-Sheetalbus, etc
 "required → 520 LPM"

76
 24

 100 mtr

Streik

22-38 → 16 mtr
 44-51 → 07 mtr
 68-75 → 07 mtr

6.00	0.50
6.00	
6.00	
6.00	
2.00	
6.00	31.50
6.00	37.50
6.00	
1.00	44.50
6.00	50.50
6.00	
6.00	
6.00	68.50
6.00	74.50
6.00	80.50

200 mm dia Plain pipe → 63.00 mtr

200 mm dia Slotted pipe → 18.00 mtr

PLT	81.00 mtr
ACL	60.50 mtr
DEL	80.50 mtr