



# 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 )

[Print](#)

### Test report

Sample ID:

U1485429S19571262

### User Information

Name:

Kalpataru power transmission limited

Mobile:

6398162959

Email:

vikas.om@kalpatarugroup.com

Pin Code:

Full Address:

Village- Arjunai Simrai , Gram Panchayat- Arjunai Simrai, Block- Aliganj, District- Etah, State- Uttar Pradesh

### Sample description

Source of Sample:

Udyanpur Ramnagar

Village:

Udyanpur Ramnagar

Gram Panchayat:

Udyanpur Ramnagar

Block:

Shitalpur

District:

Etah

State:

Uttar Pradesh

Address:

Latitude:

27.5742701

Remarks:

Longitude:

78.7100840

Date &amp; time of sample collection

20.04.2024 | 12:58:00 PM

Date &amp; time of sample received in lab

29.04.2024 | 01:56:00 PM

Date &amp; time of sample analysed

29.04.2024 | 02:04:00 PM

Date &amp; time of report generation

02.05.2024 | 06:35:17 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	28.900	
2	Chloride (as Cl)*	mg/l	250	1000	19.600	
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	0.210	
6	Free residual Chlorine	mg/l	0.2	1	0.000	
7	Iron (As Fe)*	mg/l	1	No Relaxation	0.010	
8	Magnesium (As Mg)*	mg/l	30	100	40.800	
9	Nitrate (as NO <sub>3</sub> )*	mg/l	45	No Relaxation	4.700	
10	pH*	NA	6.5-8.5	No Relaxation	7.800	
11	Sulphate (as SO <sub>4</sub> )*	mg/l	200	400	8.100	
12	TDS*	mg/l	500	2000	319.000	
13	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	136.000	
14	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.000	
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	240.000	
17	Turbidity*	NTU	1	5	0.770	

**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)

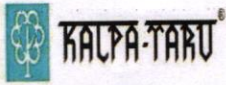
\*\*\*\*\*This is an electronically generated report and does not require a signature.\*\*\*\*\*

**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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**aarvee associates**  
architects engineers & consultants pvt. ltd.



QUALITY MANAGEMENT SYSTEM

Format No :  
KPTL/232221F/00023

DEPTH OF STARTA

**PROPOSED ASSEMBLY DETAILS**

Block- Shitalpur  
GP- Uddanpur Ram Nagar

SL.	DPR Details -
	Lowering Date - <u>31/10/2023</u>
1	Water Discharge in LPM - <u>440</u>
2	Bore well Drilling dia- <u>500 mm</u>
3	Bore well Drilling depth- <u>110 mtr</u>

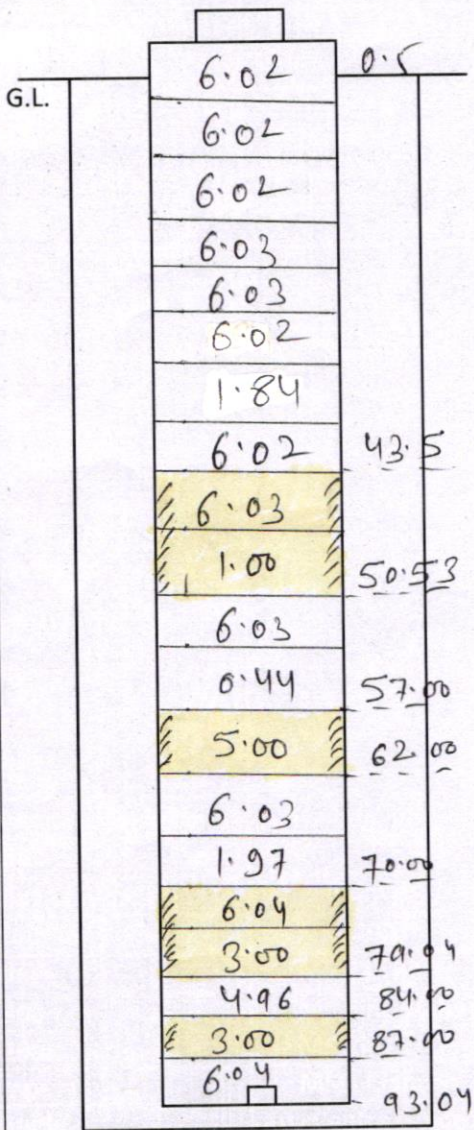
**LOGGING REPORT**

Depth-	Date-		
SL.	Depth Range	Thickness	Remarks
1	24-30	6	Medium
2	36-40	4	-
3	43-51	8	-
4	57-62	5	-
5	70-79	9	-
6	84-87	3	-
7	90-95	5	-
8	101-103	2	-
9			
10			
11			

**Assembly Details**

**Proposed Assembly for Lowering**

1.	300mm dia MS Plain Pipe-	-
2.	200mm dia MS Plain Pipe	69.47 mtr
3.	200mm dia MS Slotted Pipe-	21.07 mtr
4.	200mm dia LCG Pipe -	03 mtr
5.	300/200 mm dia Reducer -	-
6.	MS Bail Plug-	01
7.	MS Ring 300mm-	-
8.	MS Ring 200mm-	19 Nos
9.	MSSI Clamp-	- 01
10.	Centre Guide -	- 03
11.	TW Assembly Support-	- 01
12.	MS Well Cap -	- 01
13.	Pea Gravel Packing-	27 Cum



Total laying =  $93.04 + .5$   
=  $93.54$

KPTL  
*[Signature]*

TPI  
TPI

CLIENT (UPJN)

Lowering work executed as per assembly chart

# REPORT ON GEOPHYSICAL WELL LOGGING

## AT

### GRAM PANCHAYAT- UDDANPUR RAMNAGAR, BLOCK- SHEETALPUR, DISTT- ETA

## UNDER

### JAL JIVAN MISSION

#### Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 mtrs. at above site. Was drilled by M/s Kalpataru Project International Pvt. Ltd, Etah.

On the request of M/s Kalpataru Project International Pvt. Ltd, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 23.Oct.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:-

Mud Resistivity = 15.28 Ohms.

Drilling Water Resistivity = 16.52 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Dry sand	
3.	12 - 18	6	Clay kankar	
4.	18 - 20	2	Fine sand	
5.	20 - 24	4	Clay kankar	
6.	24 - 30	6	Fine to Medium sand	Medium
7.	30 - 36	6	Clay kankar	
8.	36 - 40*	4	Medium sand	Medium
9.	40 - 43	3	Clay kankar	
10.	43 - 51*	8	Medium sand	Medium
11.	51 - 57	6	Clay kankar	
12.	57 - 62*	5	Fine to Medium sand	Medium
13.	62 - 70	8	Clay kankar	
14.	70 - 79*	9	Medium sand	Medium
15.	79 - 84	5	Clay kankar	
16.	84 - 87*	3	Fine to Medium sand	Medium
17.	87 - 90	3	Clay kankar	
18.	90 - 95*	5	Fine to Medium sand	Medium
19.	95 - 101	6	Clay kankar	
20.	101 - 103	2	Fine sand	Medium
21.	103 - 105	2	Clay kankar	

Ground Water Survey Consultancy

