



# 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: U1621760512300440

### User Information

Name:	KALPATARU POWER TRANSMISSION LIMITED	Mobile:	9758010399
Email:	praveen.singh2@kalpatarupower.com	Pin Code:	
Full Address:	Village- Barthar , Gram Panchayat- Barthar, Block- Shitalpur, District- Etah, State- Uttar Pradesh		

### Sample description

Source of Sample:	Tube well / Bore well / Well	Village:	Saidpur
Gram Panchayat:	Saidpur	Block:	Sakit
District:	Etah	State:	Uttar Pradesh
Address:		Remarks:	
Latitude:		Longitude:	

#### Date & time of sample collection

27.05.2023 | 04:00:00 PM

#### Date & time of sample received in lab

29.05.2023 | 11:57:00 PM

#### Date & time of sample analysed

31.05.2023 | 12:05:00 AM

#### Date & time of report generation

04.06.2023 | 12:58:57 AM

### 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	24.040	
2	Chloride (as Cl)*	mg/l	250	1000	48.000	

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
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	0.260	
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	22.400	
9	Nitrate (as NO <sub>3</sub> )*	mg/l	45	No Relaxation	15.300	
10	Odour*	NA	Agreeable	Agreeable	0.000	
11	pH*	NA	6.5-8.5	No Relaxation	7.420	
12	Sulphate (as SO <sub>4</sub> )*	mg/l	200	400	9.300	
13	TDS*	mg/l	500	2000	363.000	
14	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	188.000	
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 <sub>3</sub> )*	mg/l	200	600	152.000	
18	Turbidity*	NTU	1	5	1.110	

**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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**Print**

**FOR-S.L. CONT. & SUPPLIERS**

*[Signature]*  
**PROP.**

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAIDPUR, BLOCK- SAKIT, DISTT- ETAH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth ~~100~~ 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 10.May.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 = 15.32 Ohms.

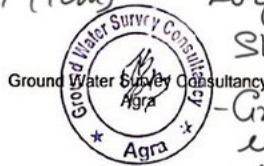
Drilling Water Resistivity = 16.66 Ohms.

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	Dry sand	
3.	10 - 14	4	Clay kankar	
4.	14 - 18	4	Fine sand	Medium
5.	18 - 41	23	Clay kankar	
6.	41 - 50	9	Medium sand	Medium
7.	50 - 55	5	Clay kankar	
8.	55 - 80*	25	Medium sand & kankar	Medium
9.	80 - 84	4	Clay kankar	
<del>10.</del>	84 - 97*	13	Medium sand	Medium
11.	97 - 100	3	Clay kankar	

Sr No 10 - 87-97 (10m)

G.Sh  
11/05/23



- Logging performed as per SWSM guidelines.

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



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



QUALITY MANAGEMENT SYSTEM

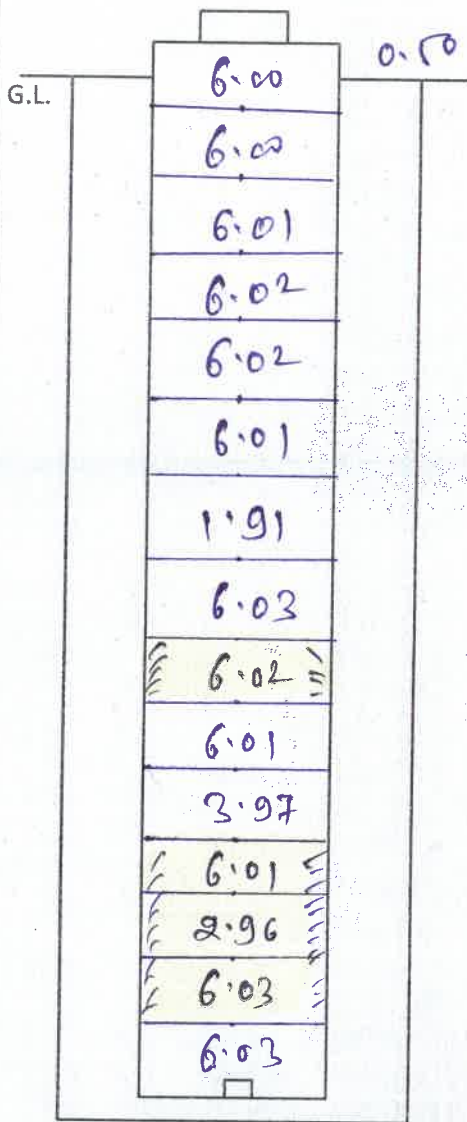
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DEPTH OF STARTA

**PROPOSED ASSEMBLY DETAILS**

Block- Sabit  
GP- Saidpur

SL.	DPR Details -
	Lowering Date -
1	Water Discharge in LPM - <u>400</u>
2	Bore well Drilling dia- <u>500 mm</u>
3	Bore well Drilling depth- <u>100 mtr</u>



Total Laying =  $80.59 + 0.5$   
= 81.09 mtr

**LOGGING REPORT**

Depth-		Date-	
SL.	Depth Range	Thickness	Remarks
1	<u>41-50</u>	<u>09</u>	
2	<u>55-80</u>	<u>25</u>	
3			
4			
5			
6			
7			
8			
9			
10			
11			

**Assembly Details**

**Proposed Assembly for Lowering**

1.	300mm dia MS Plain Pipe-	
2.	200mm dia MS Plain Pipe	<u>80.01</u>
3.	200mm dia MS Slotted Pipe-	<u>21.02</u>
4.	200mm dia LCG Pipe -	
5.	300/200 mm dia Reducer -	
6.	MS Bail Plug-	<u>01</u>
7.	MS Ring 300mm-	
8.	MS Ring 200mm-	<u>01</u>
9.	MSSI Clamp-	<u>14</u>
10.	Centre Guide -	<u>03</u>
11.	TW Assembly Support-	<u>08</u>
12.	MS Well Cap -	<u>01</u>
13.	Pea Gravel Packing-	<u>90 cu</u>

KPTL

TPI  
Lowering work as per assembly chart

CLIENT (UPJN)