Jal Jeevan Mission

Har Ghar Jal

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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: U1621760S12276001

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:	Husainpur Kakarala
Gram Panchayat:	Husainpur Kakarala	Block:	Nidhauli Kalan
District:	Etah	State:	Uttar Pradesh
Address:		Remarks:	
Latitude:		Longitude:	

Date & time of sample collection	Date & time of sample received in lab	Date & time of sample analysed	Date & time of report generation
25.05.2023 | 01:40:00 PM	31.05.2023 | 12:12:00 AM	31.05.2023 | 12:32:00 AM	31.05.2023 | 12:32:00 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	44.900	
2	Chloride (as Cl)*	mg/l	250	1000	62.000	
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	

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
5	Fluoride (as F)*	mg/l	1	1.5	0.350	
6	Free residual Chlorine	mg/l	0.2	1	0.000	
7	Iron (As Fe)*	mg/l	1	No Relaxation	0.150	
8	Magnesium (As Mg)*	mg/l	30	100	33.040	
9	Nitrate (as NO3)*	mg/l	45	No Relaxation	21.200	
10	Odour*	NA	Agreeable	Agreeable	0.000	
11	pH*	NA	6.5-8.5	No Relaxation	7.580	
12	Sulphate (as SO4)*	mg/l	200	400	11.400	
13	TDS*	mg/l	500	2000	570.000	
14	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	308.000	
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 CaCO3)*	mg/l	200	600	248.000	
18	Turbidity*	NTU	1	5	1.070	

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.

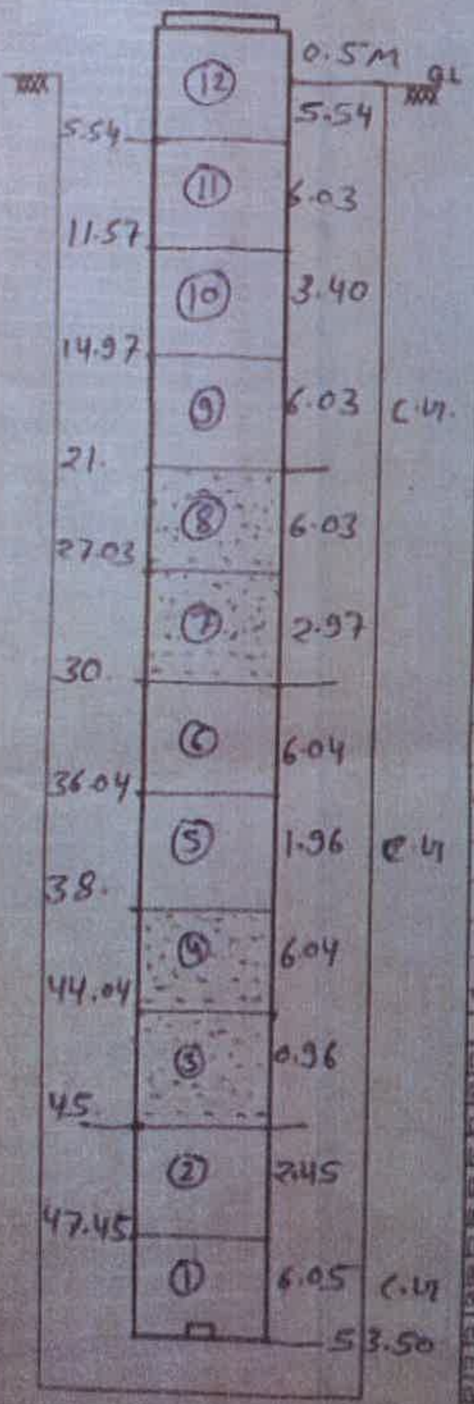
Print

JMC PROJECTS (INDIA) LIMITED

QUALITY MANAGEMENT SYSTEM

JMC/2322215/00023

DEPTH OF STRATA	PROPOSED ASSEMBLY DETAILS
	W/P- Hussainpur Katerala Block- Nidhauli Kalan



Sl.	DTR DETAILS		
	Lowering Date- 05/04/2023		
1	Water Discharge in LPM- 480LPM		
2	Bore well Drilling 500MM		
3	Drilling Depth 500MM Dia- 110	600MM Dia	
4	Tube Well Assembly 200MM		
5	300MM Dia	200MM Dia	150MM Dia
6			

1.- LOGGING REPORT

Depth Logged: MBGL Date of Logging:

Sl.	Depth Range MBGL	Thickness in Mtr	Remarks
1	10-30	20 Mtr	medium Sand
2			
3	38-45	07 Mtr	medium Sand
4			
5			
6			
7			
8			
9			
10			
11			

ASSEMBLY DETAILS

m.m Dia Housing Pipe A.G.L 0.5M m

m.m Dia Housing Pipe m

m.m Dia Reducer Pipe to m

m.m Dia Pipe m

m.m Dia Pipe m

m.m Dia Pipe m

m.m Dia Pipe m

m.m Dia Pipe m

m.m Dia Pipe m

m.m Dia Pipe m

m.m Dia Pipe m

m.m Dia Pipe m

m.m Dia Pipe m

TOTAL ASSEMBLY= m A.G.L/MGL m

3.- Proposed Assembly for Lowering

(1) 300MM DIA MSERW PLAIN PIPE =

(2) 200 MM DIA MSERW PLAIN PIPE = 38 Mtr

(3) 150MM DIA MSERW PLAIN PIPE =

(4) 300/150 MM DIA REDUCER =

(5) 200/150 MM DIA REDUCER =

(6) 200MM DIA MSERW SLOTTED PIPE = 16 Mtr

(7) 300 MM DIA WELL CAP =

(8) 200MM WELL CAP = 1

(9) 200MM DIA CENTER GUIDE = 3

(10) GRAVEL PACKING =

(11) 600 MM DIA BORE DIGGING =

(12) 500 MM DIA BORE DIGGING =

TOTAL ASSEMBLY = 0.5 + 53.50 = 54 Mtr.

JMC

TPI

CLIENT (UPJN)

Lowering work executed as per Assembly chart

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-P- 10

Date:- 01-04-2023

NAME OF SITE

GRAM PANCHAYAT- Hasanpur Kakrala BLOCK- Nidholi Kalan
DISTT- Etah

NAME OF AGENCY

M/s Kalpataru Power Transmission Limited
Etah

GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- HASANPUR KAKRALA, BLOCK- NIDHOLI KALAN, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 01.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:-

Mud Resistivity = 11.23 Ohms.
Drilling Water Resistivity = 12.46 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	
3.	10 - 30	20	Medium sand	Medium
4.	30 - 38	8	Clay kankar	
5.	38 - 45*	7	Medium sand	Medium
6.	45 - 86	41	Clay kankar	
7.	86 - 94	8	Fine to Medium sand	Marginally saline
8.	94 - 110	16	Clay kankar	

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.

2. The zones marked with asterisk (*) appear to be aquifer zones for possible Development of tube well.

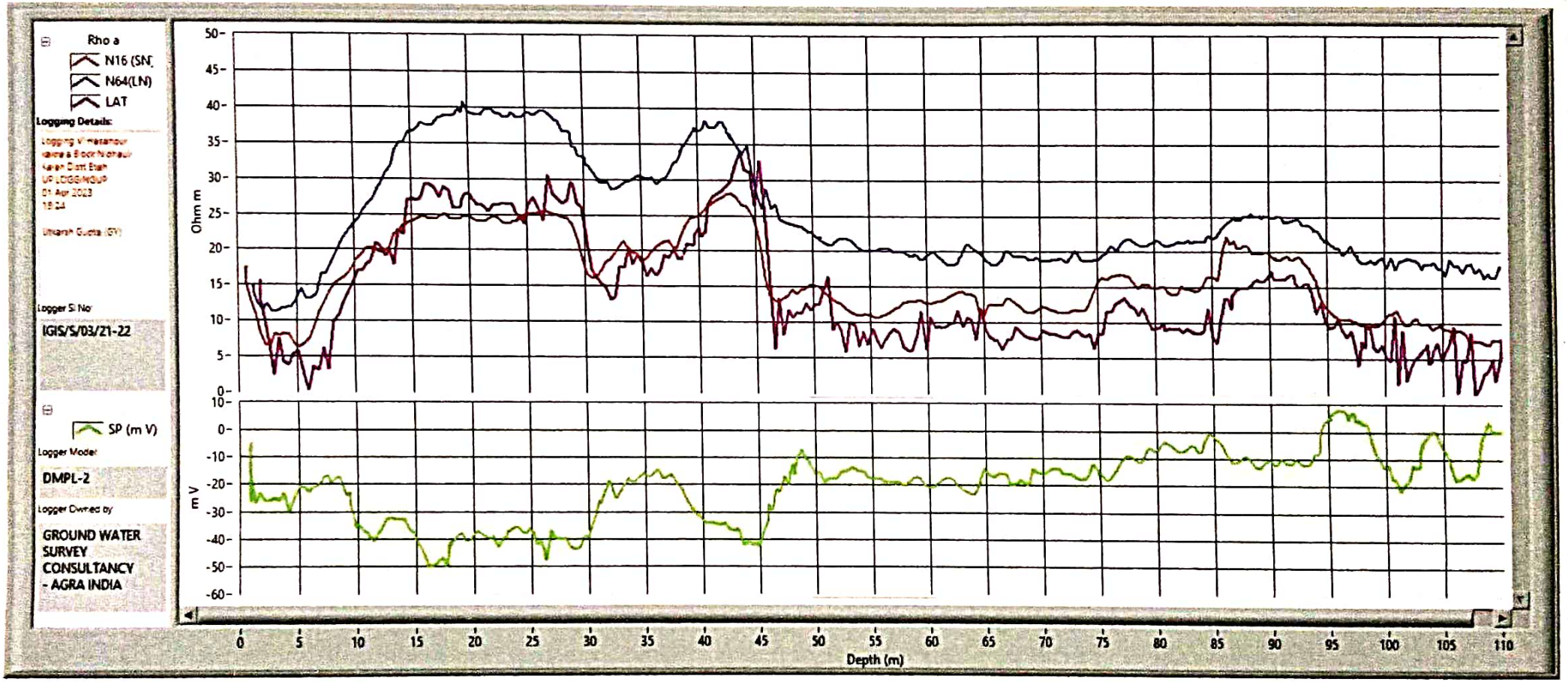
3. The Quality of water is expected Medium to Marginally saline.

4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.

5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist

Ground Water Survey Consultancy



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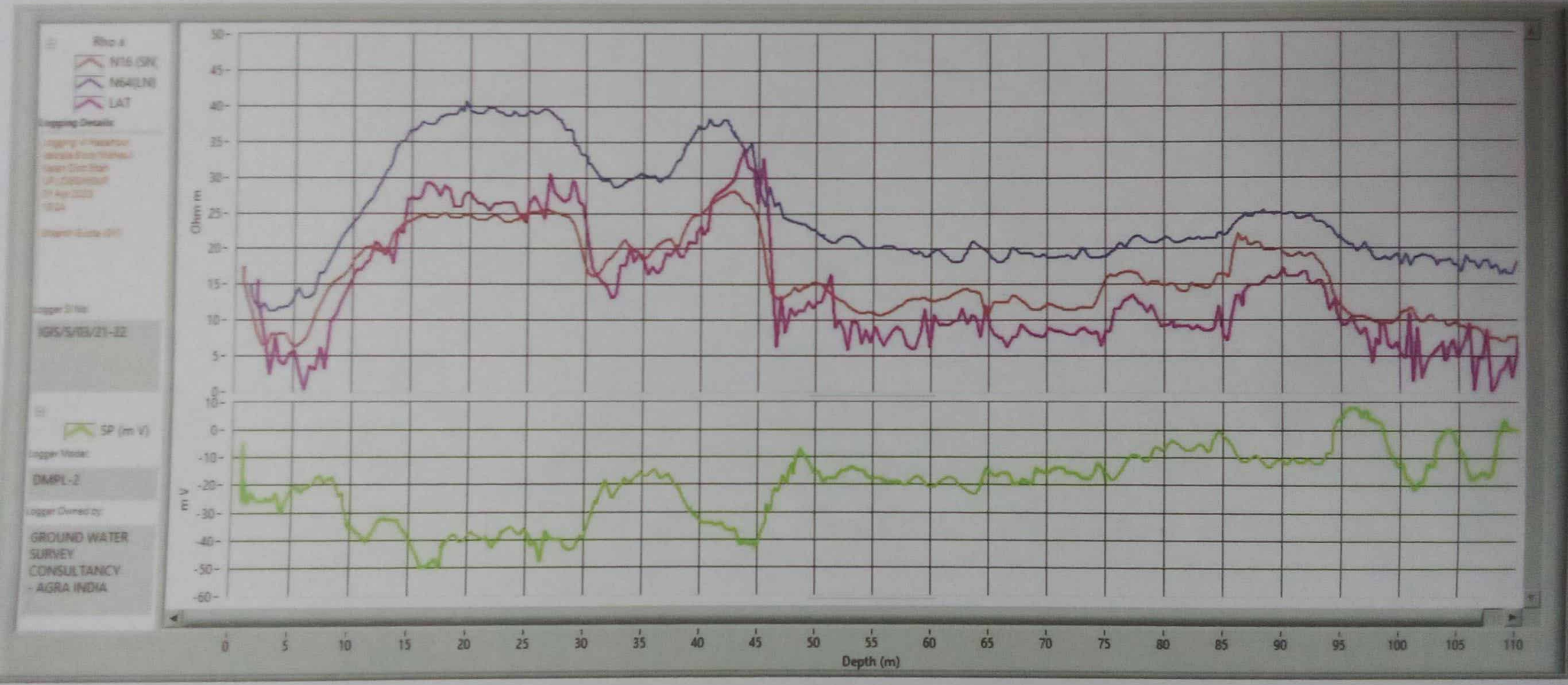

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