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)

Print

Test report

Sample Id: U1716871S24294692

User Information

Name:	Kalpataru Projects International Limited	Mobile:	9098864227
Email:	ssinfra@gmail.com	Pin Code:	207001
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:	Hayatpur Mafi	Village:	Hayatpur Mafi
Gram Panchayat:	Hayatpur Mafi	Block:	Marehra
District:	Etah	State:	Uttar Pradesh
Address:		Remarks:	
Latitude:		Longitude:	

Date & time of sample collection

05.11.2024 | 10:10:00 AM

Date & time of sample received in lab

09.11.2024 | 08:55:00 AM

Date & time of sample analysed

11.11.2024 | 10:00:00 AM

Date & time of report generation

12.11.2024 | 10:03:14 AM

Test results

S. 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	Method of Analysis	Remarks
1	Calcium (as Ca)*	mg/l	75	200	51.300	EDTA Titrimetric method	
2	Chloride (as Cl)*	mg/l	250	1000	48.000	Argentometric method	
3	Colour*	Hazen units	5	15	1.000	Visual comparison method	
4	E. coli	CFU/100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	MFT	
5	Fluoride (as F)*	mg/l	1	1.5	0.340	Ion selective electrode method	
6	Iron (As Fe)*	mg/l	1	No Relaxation	0.050	Phenanthroline method or as per IS 15303:2002 Electrothermal atomic absorption/Spectrophotometer method	
7	Magnesium (As Mg)*	mg/l	30	100	44.100	Calculation by APHA	
8	Nitrate (as NO3)*	mg/l	45	No Relaxation	10.100	UV-Visible Spectrophotometer	
9	pH*	NA	6.5-8.5	No Relaxation	7.510	Electrometric method	
10	Sulphate (as SO4)*	mg/l	200	400	13.800	Turbidimetric method	
11	TDS*	mg/l	500	2000	344.000	Gravimetric method	
12	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	212.000	Titration method	
13	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.000	Silver diethyldithiocarbamate (SDDC) method using UV-Visible Spectrophotometer	
14	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	MFT	
15	Total Hardness (As CaCO3)*	mg/l	200	600	194.000	EDTA Titrimetric method	
16	Turbidity*	NTU	1	5	0.980	Nephelometric method	

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

Data prepared by

Chemist: (Yashwant Singh)

Microbiologist: (Yashwant Singh)

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.

Print

KALPA-TARU | aarvee associates architects engineers & consultants pvt. ltd. | SWSM Uttar Pradesh

QUALITY MANAGEMENT SYSTEM
Format No : KPTL/232221F/00023

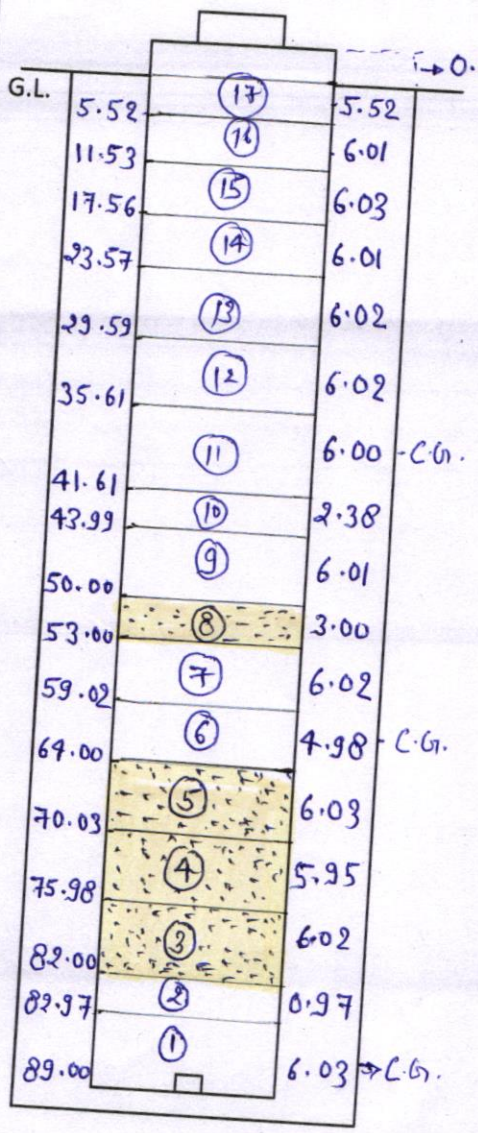
DEPTH OF STARTA

PROPOSED ASSEMBLY DETAILS

Block- Mathura.

GP- Hayatpur mafi

SL.	DPR Details -
	Lowering Date - (27/05/2024)
1	Water Discharge in LPM - 510 LPM.
2.	Bore well Drilling dia- 500 mm
3.	Bore well Drilling depth- 110 mtr.



Assembly → 89.+ 0.5 = 89.5 mtr.

LOGGING REPORT

Depth- Date-

SL.	Depth Range	Thickness	Remarks
1	50 - 53	03 mtr.	
2			
3	64 - 82	24 mtr.	
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 - 68.50 mtr.
3. 200mm dia MS Slotted Pipe- 21.00 mtr.
4. 200mm dia LCG Pipe -
5. 300/200 mm dia Reducer -
6. MS Bail Plug- 1
7. MS Ring 300mm-
8. MS Ring 200mm- 16
9. MSSI Clamp- 1
10. Centre Guide - 3
11. TW Assembly Support- 1
12. Pea Gravel Packing-

Shubham
KPTL

TPI
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:-B-159

Date:- 23-05-2024

NAME OF SITE

GRAM PANCHAYAT- Hayatpur Mafi BLOCK- Marhera 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

Ground Water Survey Consultancy
Agra

REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- HAYATPUR MAFI, BLOCK- MARHERA, 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 23 May 2024

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 = 16.29 Ohms
Drilling Water Resistivity = 17.10 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	Fine sand	
4.	18 - 26	8	Clay kankar	
5.	26 - 33	7	Fine to medium sand	Medium
6.	33 - 50	17	Clay kankar	
7.	50 - 53*	3	Fine to medium sand	Medium
8.	53 - 64	11	Clay Kankar	
9.	64 - 82*	18	Medium sand & kankar	Medium
10.	82 - 95	13	Clay kankar	
11.	95 - 103*	8	Medium sand	Medium
12.	103 - 110	7	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.

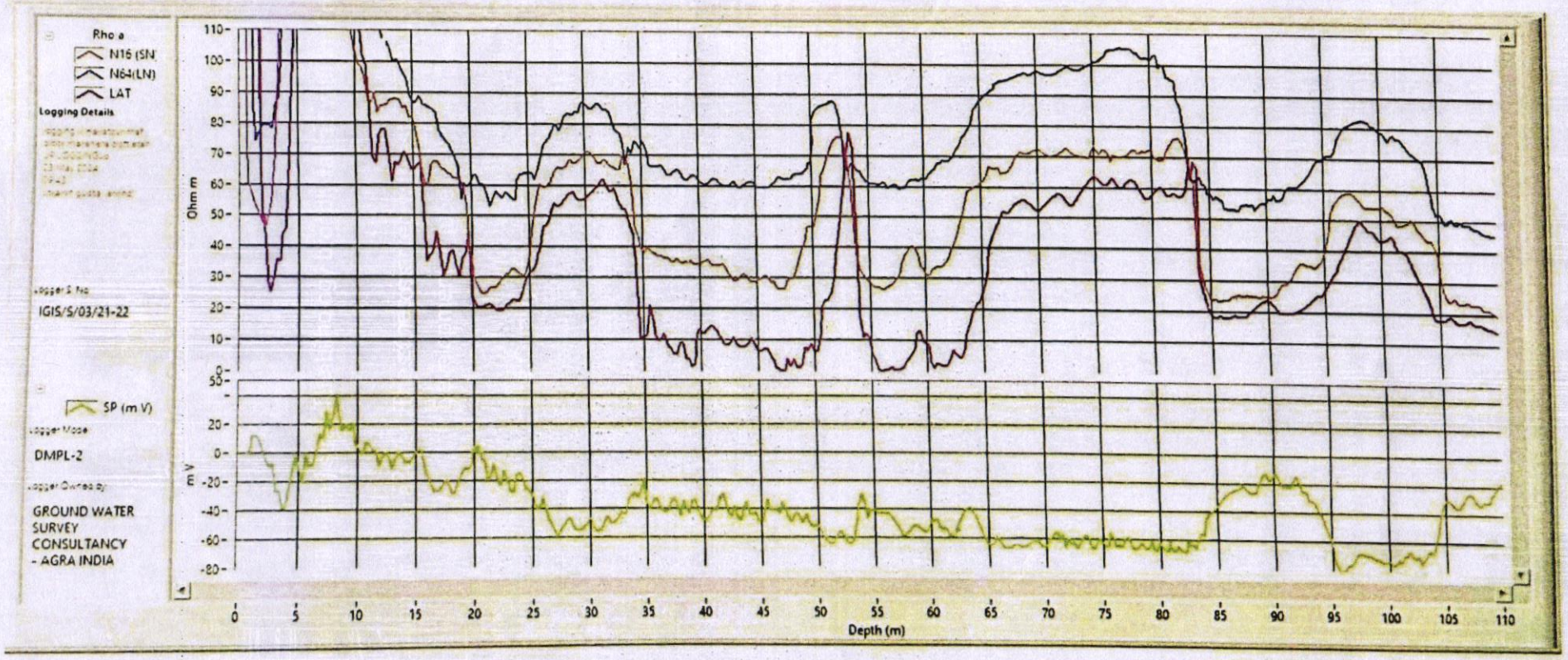
3. The Quality of water is expected Medium.

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.

Geologist

Ground Water Survey Consultancy


Rho a
N16 (SN
N64(LN)
LAT
Logging Details
IGIS/S/03/21-22
SP (m V)
DMPL-2
GROUND WATER
SURVEY
CONSULTANCY
- AGRA INDIA
Ohm m
m V
Depth (m)