

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 ld:

U1485429S24874355

		User In	formation						
Name:	Kalpataru power transmiss	ion limited	Mobile:	6398162959					
Email:	vikas.om@kalpatarugroup.	com	Pin Code:	207248					
Full	Village- Ariunai Simrai Gra	ım Panchayat- Arjunai Simrai, Block- Aliganj, Di	strict- Etah State- Uttar	Pradesh					
Address:	Village- Arjunar similar, cire	ini ranchayae Arjana Simui, biocke Alganj, bi	strict- Etan, State- Ottal	Tracesii					
		Sample	description	1					
Source of Sample:	Rajkot		Village:	Rajkot					
Gram Panchayat:	Rajkot		Block:	Sakit					
District:	Etah		State:	Uttar Pradesh					
Address:			Remarks:						
Latitude:			Longitude:						
Date & tim	e of sample collection	Date & time of sample received in lab	Date & time	e of sample analysed	Date & time of report generation				
28.11.	2024 09:39:00 AM	29.11.2024 11:12:00 AM	02.12.20	024 11:17:00 AM	05.12.2024 11:22:23 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	57.700	EDTA Titrimetric method	
2	Chloride (as CI)*	mg/l	250	1000	82.300	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	

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
5	Fluoride (as F)*	mg/l	1	1.5	0.530	Ion selective electrode method	
6	Iron (As Fe)*	mg/I	1	No Relaxation	0.030	Phenanthroline method or as per IS 15303:2002 Electrothermal atomic absorption/Spectrophotometer method	
7	Magnesium (As Mg)*	mg/l	30	100	21.400	Calculation by APHA	
8	Nitrate (as NO3)*	mg/l	45	No Relaxation	6.400	UV-Visible Spectrophotometer	
9	рН*	NA	6.5-8.5	No Relaxation	7.410	Electrometric method	
10	Sulphate (as SO4)*	mg/l	200	400	39.200	Turbidimetric method	
11	TDS*	mg/I	500	2000	473.000	Gravimetric method	
12	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	176.000	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	232.000	EDTA Titrimetric method	
16	Turbidity*	NTU	1	5	1.460	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.





GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B- 355

Date:- 12-10-2024

NAME OF SITE

GRAM PANCHAYAT- Rajkot

BLOCK-Sakeet

DISTT-Etah

NAME OF AGENCY

M/s Kalpataru Project International Pvt. Ltd.
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

REPORT ON GEOPHYSICAL WELL LOGGING

GRAM PANCHAYAT- RAJKOT, BLOCK- SAKEET, 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 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 12.Oct.2024.

Logging Para meters - Self potential, short normal (N16), 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 = 10.07 Ohms.

Drilling Water Resistivity = 12.51 Ohms.

Approx Water Level = 24 Mtr.

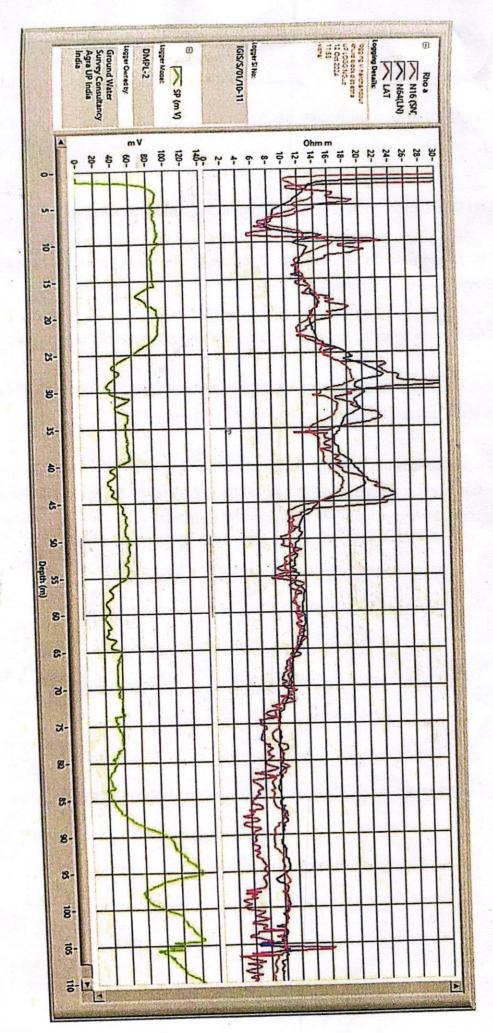
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 16	11	Clay kankar	
3.	16 - 18	2	Kankar	
4.	18 - 25	7	Clay kankar	
5.	25 - 33	8	Fine to Med sand & kan	Med to Marginally
6.	33 - 40	7	Clay kankar	
7.	40 - 45	5	Fine to Medium sand	Med to Marginally
8.	45 - 57	12	Clay kankar	
9.	57 - 64	7	Kankar sand	saline
10.	64 - 110	46	Clay kankar	



Conclusions and Recommendations :-

- The Lithology broadly tallies with that of drill cutting strata chart.
 - The zones marked with asterisk (*) appear to be aquifer zones for possible Development of tube well.
 - The Quality of water is expected Medium to Marginally saline.
 - 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.
 - 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





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QUALITY MANAGEMENT SYSTEM

SYSTEM Format No : KPTL/232221F/00023		16/10/2024	in LPM - 5 20	dia- Soomm	depth- 110MfT		Date- 12/16/24	ess	OSMIN		OSMA										r Lowering	n Pipe-	n Pipe 39 Mtg	ted Pipe- 15.02 mts	•	ducer -	00		01	10	1	00rt- 0/	/0	•
SWSW Utlor Pradesh	DPR Details -	Lowering Date -	Water Discharge in LPM -		Bore well Drilling depth-	LOGGING REPORT	Depth- 110 M4x	Depth Range	25-33		Sh-oh					0	T.	Assembly Details			Proposed Assembly for Lowering	. 300mm dia MS Plain Pipe-	. 200mm dia MS Plain Pipe	. 200mm dia MS Slotted Pipe-	. 200mm dia LCG Pipe	. 300/200 mm dia Reducer	6. MS Bail Plug-	7. MS Ring 300mm-	8. MS Ring 200mm-		10. Centre Guide -	11. IW Assembly Support-	12. IVIS Well Cap -	J. Fed Gidvei Faching
	ETAILS SL		н	2.	m	31		SL.	FFI	2		4 rv	7			10					<u></u>	ť	2	က်	4	เก๋	9				Ä ,	r-1 +		4
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PROJECT - STATE WATER AND SANITATION MISSION PROJECT FT.	REQUEST FOR INSPECTION (RFI) Date : 01 02 2 4	Sakit Scheme: Sakit Scheme: Navation Date: PCC Star Star Interloc Star Star Star Work Gate/ Window M.S. Wicket Gate/ Window For inspection: Valves Chain Pully Date: Pannel Stoar Chain Pully Choris Level / Pressure Transmitter Piping-D1 () HDPE () MS () MDPE () Choris Level / Pressure Transmitter Piping-D1 () HDPE () MS () MDPE () Choris Level / Pressure Transmitter Piping-D1 () HDPE () MS () MDPE () Choris Level / Pressure Transmitter Piping-D1 () HDPE () MS () MDPE () Choris Level / Pressure Transmitter Sign (SAT) APP M. Sign (SAT) APP M. Sign (SAT) APP M. Sign (SAT) BERM , IC Department ERM , IC Department	APPROVED APPROVED NOTED REJECTED REJECTED
PROJECT - STAT	Format No : JMC/232221F/00001 Contractor Name: JMC Projects (I) Ltd.	District: L+9h Block: Following civil items are ready for inspection: SBC Shuttering Tube Well F Rising Main Brick Work Pla Rising Main Brick Work Place Lighting FM F Meter Following Mochanical Brick Moth X Lo CH 1 B for Boy Place X Lo CH 1 D 2 6 2 4 Tin Submitted By Sony Bry Min Recieved By Sony Bry Min Comments: Comments: Logg F	DESIG:



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PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

REQUEST FOR INSPECTION (RFI)	
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(1) Ltd. LO	
Location of Work	
Sakit	4
Date:	
SBC Tube Well 📉 Excavation 🔲 PCC	
Shuttering Brick Work Stand Post	
Alsing Main Backfilling M.S. Wicket Gate/ Window Interlocking Tile	
HDPE Pipeline Others	
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* R.F.I FOR BOSEWELL LOWERING WOOK	
KLOWERING DEPTH - SYMTY. SIMP MAR	
* Dia of Lowering - 100mm	641
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* Location - Rajkot Sakit	18 15. /
On Date: 16/10/24 Time: 9:00 Am	
Submitted By Conny Ramsagra Date 15/10/24 Time 10; copy Sign	
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Recieved By Date 16 10 12 Time Sign (1917	2
comments: Total assembly 54.02 mtr	
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Civil Department	
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SIGN: SIGN: REJECTED SIGN:	TED

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40-45 + OSM

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