

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B- 1253

Date:- 08-07-2023

**NAME OF SITE**

GRAM PANCHAYAT- Saijainya

BLOCK- Samrer

DISTT- Rampur

**NAME OF AGENCY**

M/s Om Infra Ltd. (OMIL)



**GROUND WATER SURVEY CONSULTANCY**  
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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAIJAINYA, BLOCK- SAMRER, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S Om Infra Ltd. (OMIL)

On the request of M/S Om Infra Ltd. (OMIL) a Geophysical well Logging in the above bore hole using IGIS Well Logger on 08.July.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:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 17	9	Fine sand	
4.	17 - 23	6	Clay kankar	
5.	23 - 37	14	Medium sand	Med to Good
6.	37 - 45	8	Clay kankar	
7.	45 - 56*	11	Medium sand	Med to Good
8.	56 - 67	11	Clay kankar	
9.	67 - 83*	16	Medium sand	Med to Good
10.	83 - 88	5	Clay kankar	
11.	88 - 108*	20	Medium sand & kankar	Med to Good
12.	108 - 111	3	Kankar	
13.	111 - 120*	9	Medium sand	Med to Good
14.	120 - 124	4	Clay kankar	
15.	124 - 130*	6	Medium sand	Med to Good

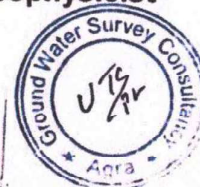
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**Conclusions and Recommendations :-**

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 tubewell.
3. The Quality of water is expected Medium to Good.
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**



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