

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2833

Date:- 05-01-2024

NAME OF SITE

GRAM PANCHAYAT- Rampur

BLOCK- Jamunaha

DISTT- Shravasti

NAME OF AGENCY

M/s Sundaram Construction
Shravasti



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- RAMPUR, BLOCK- JAMUNAHA, DISTT- SHRAVASTI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 165 mtrs. at above site. Was drilled by M/s Sundaram Construction, Shravasti.

On the request of M/s Sundaram Construction, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 05.Jan.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 = 11.20 Ohms.

Drilling Water Resistivity = 11.35 Ohms.

Approx Water Level = 5 Mtr

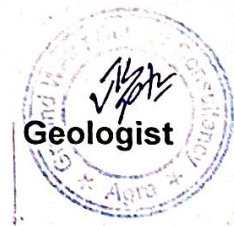
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Fine sand	
3.	12 - 18	6	Clay kankar	
4.	18 - 40	22	Medium sand	Good
5.	40 - 49	9	Clay kankar	
6.	49 - 52	3	Fine to medium sand	Good
7.	52 - 62	10	Clay kankar	
8.	62 - 65*	3	Fine to medium sand	Good
9.	65 - 73	8	Clay kankar	
10.	73 - 75	2	Fine sand	Good
11.	75 - 79	4	Clay kankar	
12.	79 - 87*	8	Medium sand	Good
13.	87 - 103	16	Clay kankar	
14.	103 - 105	2	Fine sand	Good
15.	105 - 110	5	Clay kankar	
16.	110 - 117*	7	Medium sand	Good
17.	117 - 125	8	Clay kankar	
18.	125 - 130*	5	Fine to medium sand	Good
19.	130 - 137	7	Clay kankar	
20.	137 - 140	3	Fine sand	Good
21.	140 - 145	5	Clay kankar	
22.	145 - 150*	5	Medium sand	Good
23.	150 - 155	5	Clay kankar	
24.	155 - 165*	10	Medium sand	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 tube well.
3. The Quality of water is expected 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.



Rho a
N 16(SN)
N 64 (LN)
LAT

Location:
Logging V Ramprasad
Jammurda Distt. Srinagar
UP (DISTANCE)
Date: 05 Jan 2024
Time: 13:57
Observer:
Umesh Garia (S)
Well Depth:

Logger S No:
IGIS/S/02/22-23

Logger Model:
SP

DMDL-2

Logger Owned by:

GROUND WATER
SURVEY
CONSULTANCY
AGRA, UP, INDIA

