

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 439

Date:- 24-12-2022

NAME OF SITE

GRAM PANCHAYAT- Purainia Ramgulum
DISTT- Pilibhit

BLOCK- Barkhera

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.



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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PURAINIA RAMGULAM, BLOCK- BARKHERA,
DISTT- PILIBHIT

UNDER JAL JIVAN MISSION

Introduction :

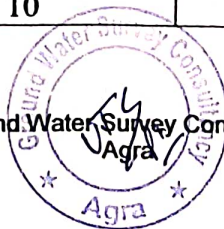
A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 150 mtrs. at above site. Was drilled by M/s Vishvaraj Environment Pvt. Ltd.

On the request of M/s Vishvaraj Environment Pvt. Ltd. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 24.Dec.2022.

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 - 18	13	Medium sand	
3.	18 - 25	7	Clay kankar	
4.	25 - 36	11	Medium sand	Good
5.	36 - 44	8	Clay kankar	
6.	44 - 53*	9	Medium sand	Good
7.	53 - 56	3	Kankar	
8.	56 - 69*	13	Medium sand	Good
9.	69 - 80	11	Clay kankar	
10.	80 - 86*	6	Fine to Medium sand	Good
11.	86 - 90	4	Clay kankar	
12.	90 - 96*	6	Medium sand	Good
13.	96 - 100	4	Clay kankar	
14.	100 - 114*	14	Medium sand	Good
15.	114 - 122	8	Clay kankar	
16.	122 - 127*	5	Medium sand	Good
17.	127 - 132	5	Clay kankar	
18.	132 - 140*	8	Fine to Medium sand	Good
19.	140 - 150	10	Clay kankar	

Ground Water Survey Consultancy



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 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



Ground Water Survey Consultancy

Logging of Borehole
 Kampani Borehole
 Date: 10/10/2011
 US: 10000000
 24 000000
 2011
 Operator: Ganga AG

Rho a
 NI6 (SN)
 NI6(LIN)
 LAT

SP (mV)

