

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-2440

Date:- 27-12-2023

NAME OF SITE

GRAM PANCHAYAT- Nawada Shyampur

BLOCK- Amaria

DISTT- Pilibhit

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

Agra

U/S

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAWADA SHYAMPUR, BLOCK- AMARIA, DISTT- PILIBHIT
UNDER
JAL JIVAN MISSION

Introduction :

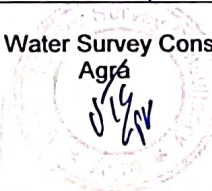
A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 150 mtrs. at above site. Was drilled by M/s Vishvaraj Environment Pvt. Ltd.

On the request of M/s Vishvaraj Environment Pvt. Ltd. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.Dec.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	
3.	8 - 20	12	Medium sand	Medium
4.	20 - 28	8	Clay kankar	
5.	28 - 30	2	Fine to Medium sand	Medium
6.	30 - 36	6	Clay kankar	
7.	36 - 49*	13	Medium sand	Medium
8.	49 - 60	11	Clay kankar	
9.	60 - 64*	4	Medium sand	Medium
10.	64 - 70	6	Clay kankar	
11.	70 - 75*	5	Medium sand	Medium
12.	75 - 84	9	Clay kankar	
13.	84 - 90*	6	Medium sand	Medium
14.	90 - 96	6	Clay kankar	
15.	96 - 109*	13	Medium sand	Medium
16.	109 - 115	6	Clay kankar	
17.	115 - 120*	5	Medium sand	Medium
18.	120 - 125	5	Clay kankar	
19.	125 - 133*	8	Medium sand	Medium
20.	133 - 137	4	Clay kankar	
21.	137 - 145*	8	Medium sand	Medium
22.	145 - 150	5	Clay kankar	

Ground Water Survey Consultancy



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones markd with asterisk (*) appear to be aquifer zones for possible development of tubewell.
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



Rho 3
 NI6 (SN)
 NS4(LN)
 LAT
 Logging Details:
 Logging of Narda
 System of India
 Date: 27 Dec 2011
 11:20
 Location: Agra (A.G.)
 IGS/S/04/21-22
 Logger S.No.
 DMAPL-2
 Logger Model:
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

