

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A- 659

Date:- 29-05-2023

NAME OF SITE

GRAM PANCHAYAT- Kuar Mankapur BLOCK- Samrer DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun

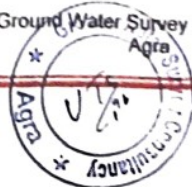


GROUND WATER SURVEY CONSULTANCY

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- KUAR MANKAPUR, BLOCK- SAMRER,
DISTT.- BADAUN
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 PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 29.May.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 - 15	10	Fine sand	
3.	15 - 31	16	Clay kankar	
4.	31 - 37	6	Medium sand	Medium
5.	37 - 52	15	Clay kankar	
6.	52 - 80*	28	Medium sand	Medium
7.	80 - 85	5	Clay kankar	
8.	85 - 90*	5	Medium sand	Medium
9.	90 - 110	20	Clay kankar	
10.	110 - 114*	4	Medium sand	Medium
11.	114 - 120	6	Clay kankar	
12.	120 - 130*	10	Medium sand	Medium



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.
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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Sheet No. 1
 NITG
 NAGALAND
 LAT

Logging Details:
 Date: 12/12/2022
 Time: 10:30 AM
 Location: [unclear]

Project Name:
 NAGALAND
 12/12/2022

Logging Station:
 DMR-2
 Logging Company No.

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