

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

RefNo:- 411

Date:- 08-02-2022

NAME OF SITE

Gram Panchayat- Soi BLOCK- Wazirganj DISTT- Badaun

NAME OF AGENCY

M/SPNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

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REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- sol, BLOCK - WAZIRGANJ, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth, and Logged depth 120 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 08.Jan.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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.	Deftn range(m)	Thickness(m)	Lithology	Expected Water Quality
1.		5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 32	14	Clay	
4.	32 - 45	13	Fine sand	
5.	45 —	15	Fine to Medium sand	Med. to Good
6.	60 - 67	7	Clay kanakar	
7.	67 —	28	Medium sand	Med. to Good
8.	95 - 107	12	Clay kanakar	
9.	107 - 116*	9	Fine to Medium sand	Med. to Good
10.	116 - 120	4	Clay kanakar	

Conclusions and Recommendations :-

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sultancy



1. The Lithology broadly tallies with that of drill cutting starta 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. Expected discharge is 1000 to 1100 L.P.M.
5. 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.
6. 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.

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