

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SOMANPUR, BLOCK- DAHAGAWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 05.Feb.2024.

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.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	5	Fine sand	
3.	7 - 25	5	Clay kankar	
4.	25 - 32	13	Fine to Medium sand	Medium
5.	32 - 38	3	Clay kankar	
6.	38 - 65*	3	Medium sand	Medium
7.	65 - 80	4	Clay kankar	
8.	80 - 90*	4	Medium sand	Medium
9.	90 - 101	13	Clay kankar	
10.	101 - 113*	9	Medium sand	Medium
11.	113 - 120	13	Clay kankar	
12.	120 - 129*	5	Medium sand	Medium
13.	129 - 132	11	Clay kankar	
14.	132 - 135	9	Fine sand	Medium
15.	135 - 140*	19	Clay kankar	

Ground Water Survey Consultancy

Agra

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Conclusions and Recommendations :-

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.
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



Plot 8
 N16 (24)
 M4014
 LA1
 Survey Station
 Surveyed by
 Date
 1971
 22
 20
 15
 10
 5
 0
 -5
 -10
 -15
 0
 5
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