

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B- 152

Date:- 20-04-2023

NAME OF SITE

GRAM PANCHAYAT- Behta Madho BLOCK- Dataganj DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BEHTA MADHO, BLOCK- DATAGANJ, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 125 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 in the above bore hole using IGIS Well Logger on 20.April.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 - 11	6	Dry sand	
3.	11 - 17	6	Clay kankar	
4.	17 - 21	4	Fine sand	
5.	21 - 29	8	Clay kankar	
6.	29 - 32	3	Fine sand	Good
7.	32 - 35	3	Clay kankar	
8.	35 - 40	5	Fine to Medium sand	Good
9.	40 - 45	5	Clay kankar	
10.	45 - 63*	18	Medium sand	Good
11.	63 - 65	2	Clay kankar	
12.	65 - 75*	10	Medium sand	Good
13.	75 - 78	3	Clay kankar	
14.	78 - 97*	9	Medium sand	Good
15.	97 - 114	17	Clay kankar	
16.	114 - 120*	6	Fine to Medium sand	Good
17.	120 - 125	5	Clay kankar	

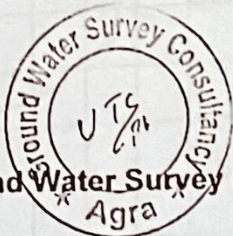
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Conclusions and Recommendations :-

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
Agra

Rho a
 N 16(S/N)
 N 64 (N)
 LAT

Location:
 Logging VI Eentia
 Masoho Block,
 Dataganj Distt.,
 Badamun
 Log No.:
 LOGGHSUP
 Date:
 20 Apr 2023
 Time:
 18:23
 Observer:
 Umbarsh Gupta (KS)
 Well Depth:

SP

