

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-A-1518

Date:- 26-08-2023

NAME OF SITE

GRAM PANCHAYAT- Khurdi Jalal

BLOCK- Samrer

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHURDI JALAL, BLOCK- SAMRER, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

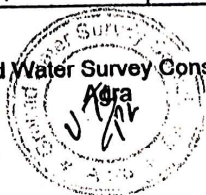
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 26.Aug.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 - 25	20	Clay kankar	
3.	25 - 39	14	Fine sand	
4.	39 - 45	6	Clay kankar	
5.	45 - 55*	10	Medium sand	Medium
6.	55 - 65	10	Clay kankar	
7.	65 - 80*	15	Medium sand	Medium
8.	80 - 90	10	Fine sand	
9.	90 - 100*	10	Fine to Medium sand	Medium
10.	100 - 107	7	Clay kankar	
11.	107 - 115*	8	Fine to Medium sand	Medium
12.	115 - 122	7	Clay kankar	
13.	122 - 126*	4	Medium sand	Medium
14.	126 - 130	4	Clay kankar	

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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 tube well.
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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Rho s
 N TSS(N)
 N S4 (N)
 LAT

Location:
 1 593 79 02 N 76 43 E
 EGSIServer Data 2011-
 10 15
 UTM
 UTM Zone: 50 Q
 UTM X: 274 430 000
 UTM Y: 18 500 000
 UTM Zone: 50 Q
 UTM X: 274 430 000
 UTM Y: 18 500 000

Logget Site:
 IGIS/S/02/22-23

9P
 Logget Model:
 DMP1-2

Logget Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

