

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-A-2526

Date:- 18-01-2024

NAME OF SITE

Gram Panchayat- Kayawali

BLOCK- Sahaswan

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

Ground Water Survey Consultancy
Agra

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KAYAWALI, BLOCK- SAHASWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

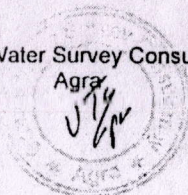
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 18.Jan.2024.

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	Dry sand	
3.	15 - 18	3	Clay kankar	
4.	18 - 20	2	Medium sand	
5.	20 - 24	4	Clay kankar	
6.	24 - 28	4	Medium sand	Medium
7.	28 - 35	7	Clay kankar	
8.	35 - 46*	11	Medium sand	Medium
9.	46 - 63	17	Clay kankar	
10.	63 - 70*	7	Medium sand	Medium
11.	70 - 76	6	Clay kankar	
12.	76 - 81*	5	Medium sand	Medium
13.	81 - 95	14	Clay kankar	
14.	95 - 108*	13	Medium sand	Medium
15.	108 - 114	6	Clay kankar	
16.	114 - 127*	13	Medium sand	Medium
17.	127 - 140	13	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 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



Rho a
 NI6 (SN)
 NG4(LN)
 LAT
Logging Details
 Logging of Special Block
 Sanganer Dam Basin
 IS LOGGING
 16.09.2024
 14.30
 (Owner: Sarda AG)

Logger S No. IG/S/04/21-22

SP (m V)
 Logger Model DIAPL-2
 Logger Over no 27

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