

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2141

Date:- 04-11-2023

NAME OF SITE

GRAM PANCHAYAT- Kamalpur Kallu Nagar BLOCK- Dahagawan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun

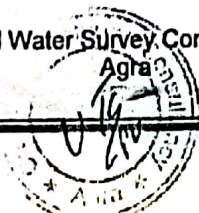


GROUND WATER SURVEY CONSULTANCY

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- KAMALPUR KALLU NAGAR, BLOCK- DAHAGAWAN,
DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 145 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 04.Nov.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 - 21	16	Clay kankar	
3.	21 - 36	15	Medium sand & kankar	Medium
4.	36 - 51	15	Clay kankar	
5.	51 - 72*	21	Medium sand	Medium
6.	72 - 78	6	Clay kankar	
7.	78 - 98*	20	Medium sand	Medium
8.	98 - 107	9	Clay kankar	
9.	107 - 120*	13	Medium sand	Medium
10.	120 - 125	5	Clay kankar	
11.	125 - 131*	6	Fine to Medium sand	Medium
12.	131 - 135	4	Clay kankar	
13.	135 - 138	3	Fine sand	Medium
14.	138 - 140	2	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
 N16 (SN)
 N64(QN)
 LAT

Logging Details:
 LOGG 96 03 1996 SUR 03
 NAME 8 000 03 1996 DCE
 KATA
 US LOGGINSUP
 US NEP 20013
 23 58
 UNAPR GAMA JAG

Logger: S1 M16
 JUSIS 01/21-22

Logger Model:
 DMAP 1.2
 Logger Owned by:

GROUND WATER SURVEY CONSULTANCY
 AGRA, UP, India

