

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-1760

Date:- 03-10-2023

NAME OF SITE

GRAM PANCHAYAT - Khandak

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



REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-KHANDAK, BLOCK-SAHASWAN, DISTT-BADAUN

UNDER

JAL JIVAN MISSION

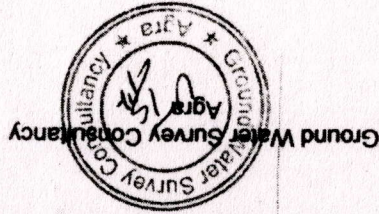
Introduction :

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 is conduct at above bore hole using IGIS Well Logger on 03.Oct.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 - 20	15	Dry sand	
3.	20 - 31	11	Clay kanakar	
4.	31 - 50*	19	Medium sand	Medium
5.	50 - 56	6	Clay kanakar	
6.	56 - 60*	4	Medium sand	Medium
7.	60 - 70	10	Clay kanakar	
8.	70 - 80*	10	Medium sand	Medium
9.	80 - 86	6	Clay kanakar	
10.	86 - 96*	10	Medium sand	Medium
11.	96 - 106	10	Clay kanakar	
12.	106 - 120*	14	Medium sand	Medium
13.	120 - 125	5	Clay kanakar	
14.	125 - 132*	7	Medium sand	Medium
15.	132 - 140	8	Clay kanakar	

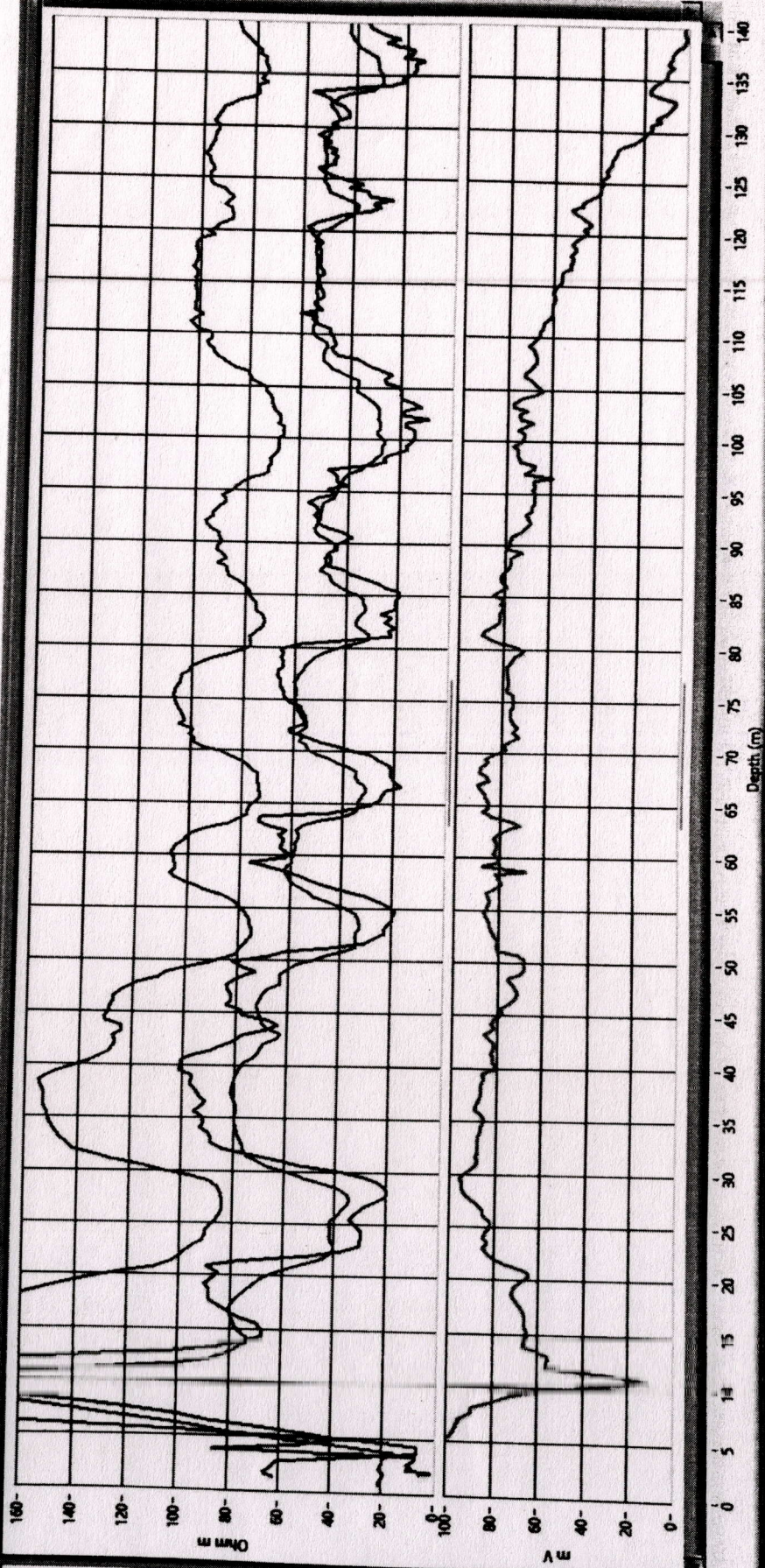


Conclusions and Recommendations :-

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.



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Rho a
 N16 (SN)
 N64(LN)
 LAT
 Logging Details:
 Logging GP Dhandak Block
 Sahaswan Distt. Bulandshahr
 UP (GGW)GUP
 03 Oct 2023
 16.22
 Utsav Gaur (46)

Logger SI No:
 IGS/S/02/22-23

SP (mV)
 Logger Model:
 DWPL-2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

