

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

RefNo:-A-1891

Date:- 16-10-2023

NAME OF SITE

GRAM PANCHAYAT - Sarai Mudiya Khagi
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



REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-SARAI MUDIYA KHAGI, 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

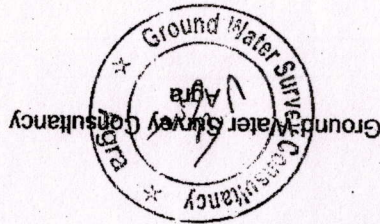
at above bore hole using IGIS Well Logger on 16.Oct.2023.

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 - 15	10	Dry sand	
3.	15 - 25	10	Clay kanakar	
4.	25 - 45	20	Medium sand & kanakar	Medium
5.	45 - 60	15	Clay kanakar	
6.	60 - 83*	23	Medium sand	Medium
7.	83 - 95	12	Clay kanakar	
8.	95 - 100	5	Fine sand	Medium
9.	100 - 120	20	Clay kanakar	
10.	120 - 130*	10	Medium sand	Medium
11.	130 - 140	10	Clay kanakar	



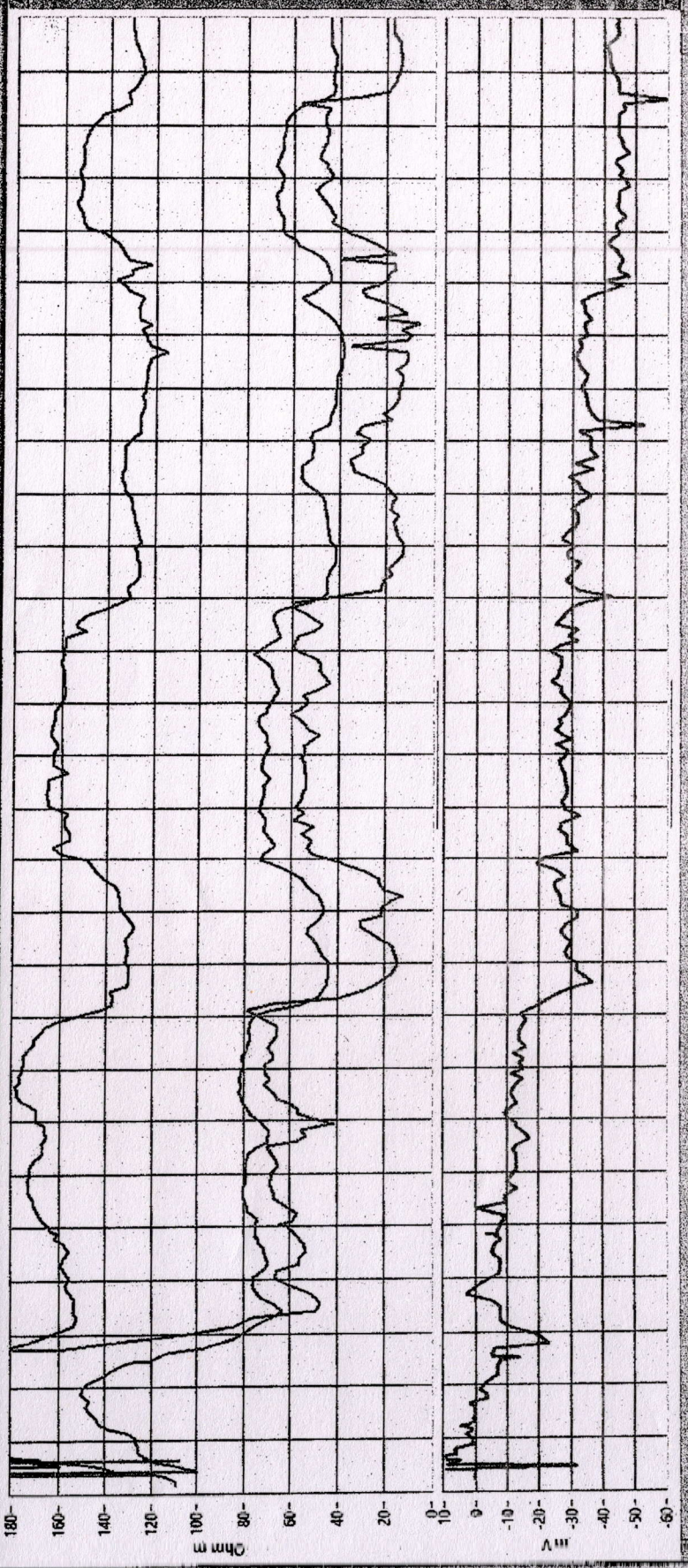
Conclusions and Recommendations :-

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.



Geophysicist

Ground Water Survey Consultancy



180
160
140
120
100
80
60
40
20
0
10
9
-10
-20
-30
-40
-50
-60

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180

Depth (m)

Rho a

N16 (SN)

N64(LV)

LAT

Logging Details:

Logging Co: Sri Chera

Block: Sahaswar Dist

Budam

DOWN LOGG N62Evm

16 Oct 2023

22.46

Umesh Gupta (AG)

Logger S1 No:

GIS/S/01/21-22

SP (m V)

Logger Model:

DMP-2

Logger Owned by:

GROUND WATER SURVEY CONSULTANCY AGRRA, UP, India

