

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-1774

Date:- 04-10-2023

NAME OF SITE

GRAM PANCHAYAT - Saidpur

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- SAIDPUR, 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 04.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 - 19	4	Fine sand	
4.	19 - 34	15	Clay kankar	
5.	34 - 44	10	Medium sand	Medium
6.	44 - 57	13	Clay kankar	
7.	57 - 65*	8	Medium sand	Medium
8.	65 - 70	5	Clay	
9.	70 - 94*	24	Medium sand & kankar	Medium
10.	94 - 112	18	Clay kankar	
11.	112 - 126*	14	Fine to Medium sand	Medium
12.	126 - 140	14	Clay kankar	

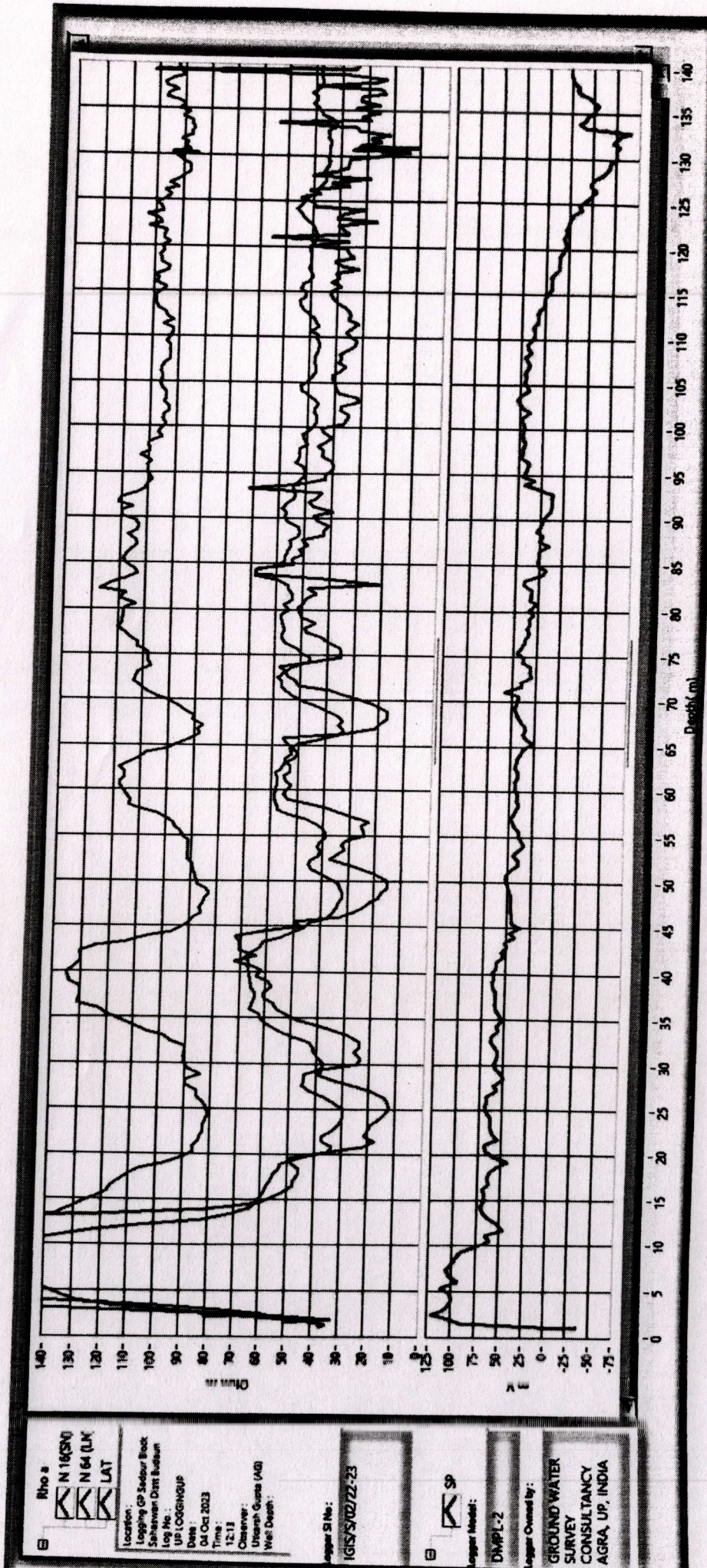


Conclusions and Recommendations :-

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.



Ground Water Survey Consultancy



Rho a
 N 14(SN)
 N 64 (LN)
 LAT
 Location: Logging GP Seabur Block
 Sakshivan Dam Budaan
 Log No: UP LOGGINGUP
 Date: 04 Oct 2023
 Time: 12:11
 Cluster: Umrash Gupta (AG)
 Well Depth:

Log No: IGIS/S/02/22-23

SP
 Logger Model: DMRP-2
 Logger Owned by:

GROUND WATER
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 AGRA, UP, INDIA

