

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-A-2334

Date:-11-12-2023

**NAME OF SITE**

GRAM PANCHAYAT- Rasoolpur Bela      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  
J. G. W.



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RASOOLPUR BELA, 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 11.Dec.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	Clay kankar	
3.	15 - 33	18	Medium sand	Medium
4.	33 - 43	10	Clay kankar	
5.	43 - 52*	9	Medium sand	Medium
6.	52 - 56	4	Clay kankar	
7.	56 - 65*	9	Medium sand	Medium
8.	65 - 77	12	Clay kankar	
9.	77 - 93*	16	Medium sand	Medium
10.	93 - 97	4	Clay kankar	
11.	97 - 108*	9	Fine to Medium sand	Medium
12.	108 - 115	7	Clay kankar	
13.	115 - 122*	7	Fine to Medium sand	Medium
14.	122 - 133	11	Clay kankar	
15.	133 - 140	7	Sandy clay	



**Conclusions and Recommendations :-**

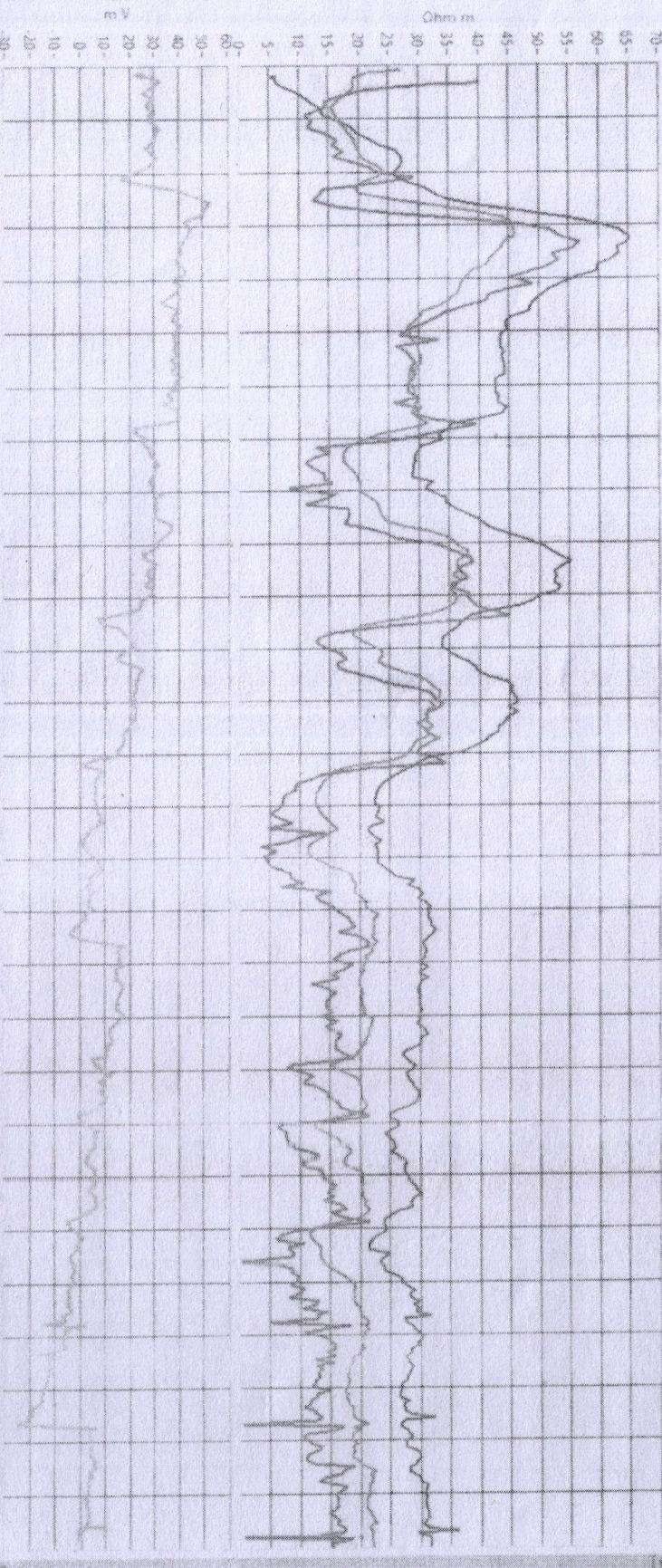
1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water 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**





Photo  
 N16 (SN)  
 N64(LN)  
 LAT  
 Logging Details  
 Log No. SP (m V)  
 Log Date  
 Log Time  
 Log Location  
 Log Operator  
 Log Station  
 Log Sheet No.



OHM M  
 70-  
 65-  
 60-  
 55-  
 50-  
 45-  
 40-  
 35-  
 30-  
 25-  
 20-  
 15-  
 10-  
 5-  
 0-  
 -5-  
 -10-  
 -15-  
 -20-  
 -25-  
 -30-

Depth (m)

UTG  
/A

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