

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:- 578

Date:- 05-03-2022

**NAME OF SITE**

Gram Panchayat- Baraur      BLOCK- Wazirganj      DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

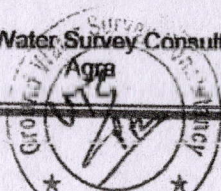
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BARAUR, BLOCK- WAZIRGANJ, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

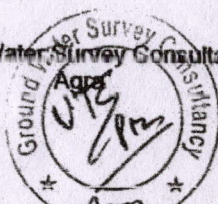
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 05.Mar.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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	Dry sand	
3.	21 - 27	6	Clay	
4.	27 - 41	14	Sand & Kankar	
5.	41 - 60	19	Sandy clay	
6.	60 - 95*	35	Fine to Medium sand	Good
7.	95 - 101	6	Clay kankar	
8.	101 - 120	19	Fine sand	Good
9.	120 - 130	10	Clay kankar	
10.	130 - 136*	6	Fine to Medium sand	Good
11.	136 - 140	4	Clay kankar	

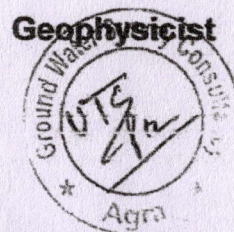
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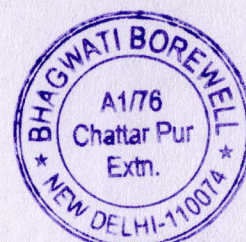


**Conclusions and Recommendations :-**

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 tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 800 to 900 L.P.M.
5. 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.
6. 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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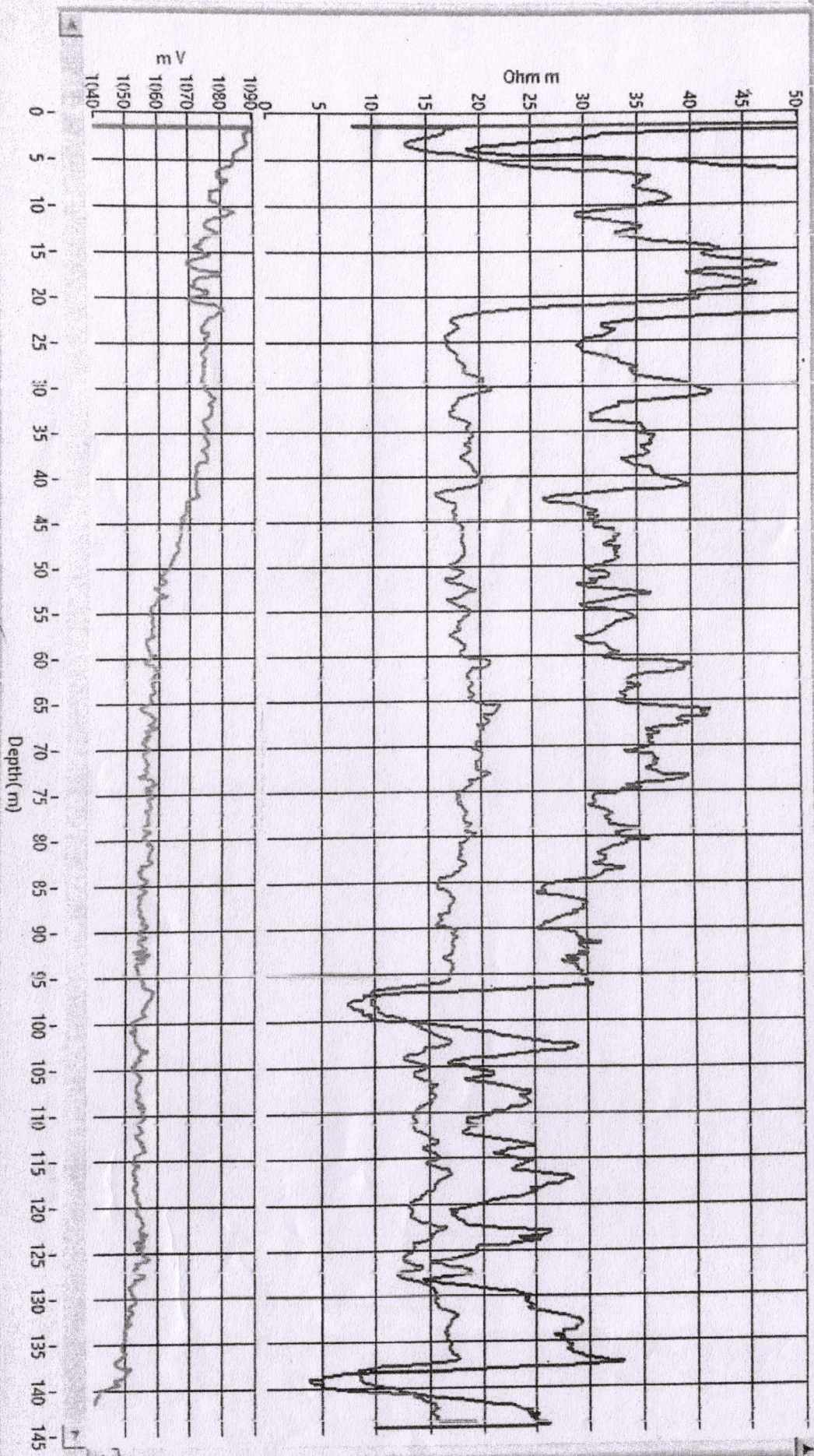
*Akhil Singh*



Rho #  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location:  
 Logging Baraur  
 Block Wazirganj  
 Distt Budaur  
 Log No.:  
 LOGGINGUP  
 Date: 05 Mar 2022  
 Time: 15:31  
 Observer:  
 Utkarsh Gupta (AG)  
 Well Depth:

SP



A.M. 18/3/22