

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1978

Date:- 28-10-2023

NAME OF SITE

GRAM PANCHAYAT-Kutubpur Thara & Binawar
DISTT- Badaun

BLOCK- Salarpur

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- KUTUBPUR THARA & BINAWAR, BLOCK- SALARPUR, DISTT- BADAUN UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 155 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 in the above bore hole using IGIS Well Logger on 28.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 - 13	8	Clay	
3.	13 - 20	7	Fine to Medium sand	
4.	20 - 27	7	Clay kankar	
5.	27 - 40	13	Medium sand	Medium
6.	40 - 45	5	Clay kankar	
7.	45 - 50*	5	Fine to Medium sand	Medium
8.	50 - 56	6	Clay kankar	
9.	56 - 77*	21	Medium sand	Medium
10.	77 - 90	13	Clay kankar	
11.	90 - 96*	6	Medium sand	Medium
12.	96 - 104	8	Clay kankar	
13.	104 - 111*	7	Medium sand	Medium
14.	111 - 119	8	Clay kankar	
15.	119 - 122*	3	Fine to Medium sand	Medium
16.	122 - 136	14	Clay kankar	
17.	136 - 144*	8	Medium sand	Medium
18.	144 - 155	11	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 tube well.
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.

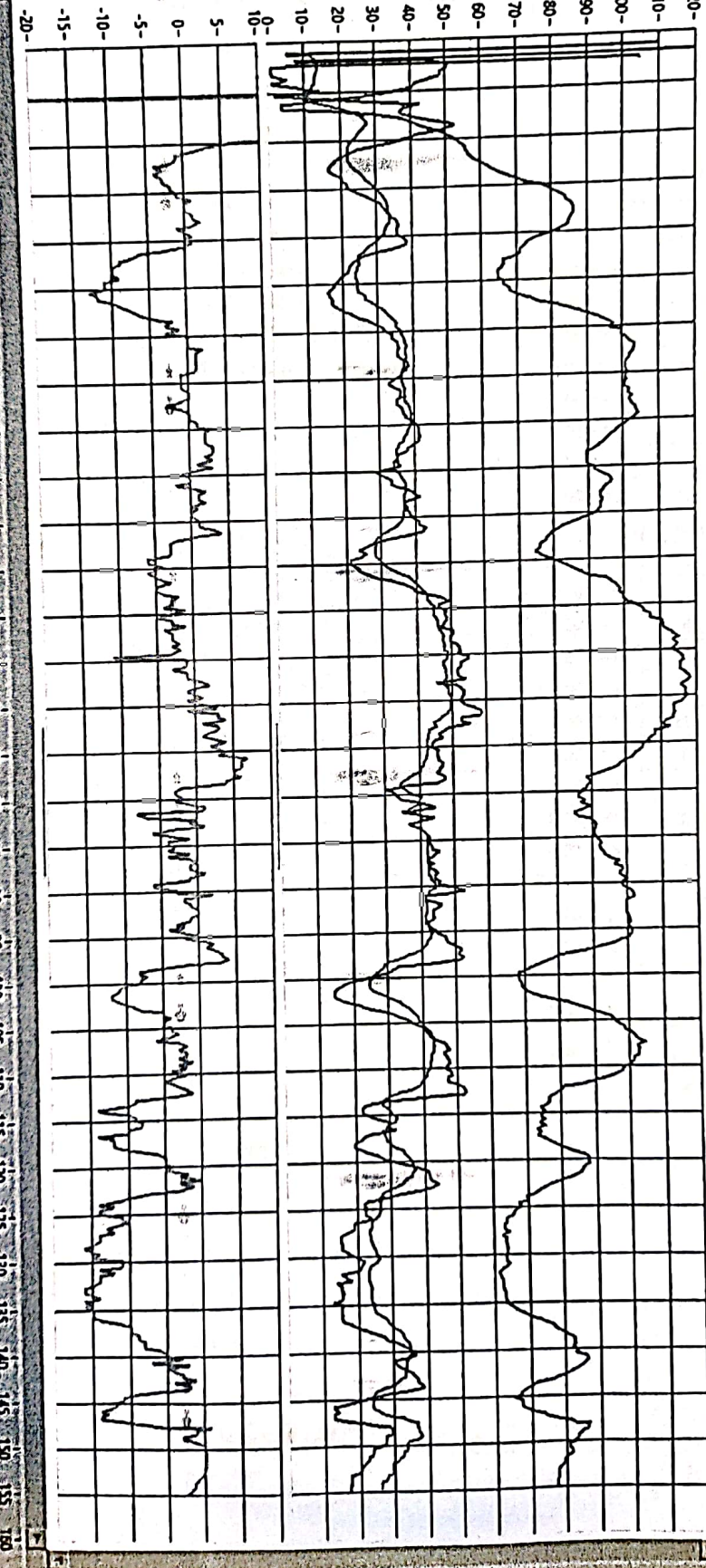
Geophysicist



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Rho 3
 NI6 (SN)
 NI6(LIN)
 LAT
 Logging Details
 Logging Co. K. S. R. T. S. R.
 8, Jawahar Road, K. S. R. T. S. R.
 D. M. S. R. T. S. R.
 U. S. C. S. R. T. S. R.
 21, C. S. R. T. S. R.
 C. S. R. T. S. R.
 Dharm. Co. S. S. R.

Logger: S. H. K.
 Date: 10/21/22



B
 SP (m V)
 Logger Model:
 DMP-2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSISTENCY
 AGRIC. UP, India

