

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2340

Date:- 12-12-2023

NAME OF SITE

GRAM PANCHAYAT-Lalpur Khadar
BLOCK-Dataganj
DISTT-Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badoun



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

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- LALPUR KHADAR, BLOCK- DATAGANJ, DISTT- BADAUN
 UNDER
 JAI, JIVAN MISSION

Introduction :

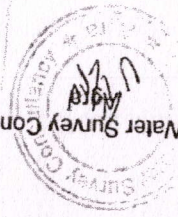
A Deep bore hole was drilled 130 mtrs. depth, and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC SPML-JV, Dadoun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 12.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 - 10	5	Clay kankar	
3.	10 - 21	11	Medium sand	Medium
4.	21 - 26	5	Clay kankar	
5.	26 - 36	10	Medium sand	Medium
6.	36 - 41	5	Clay kankar	
7.	41 - 59*	18	Medium sand	Medium
8.	59 - 65	6	Clay kankar	
9.	65 - 90*	25	Medium sand	Medium
10.	90 - 100	10	Clay kankar	
11.	100 - 105*	5	Medium sand	Medium
12.	105 - 130	25	Clay kankar	Medium

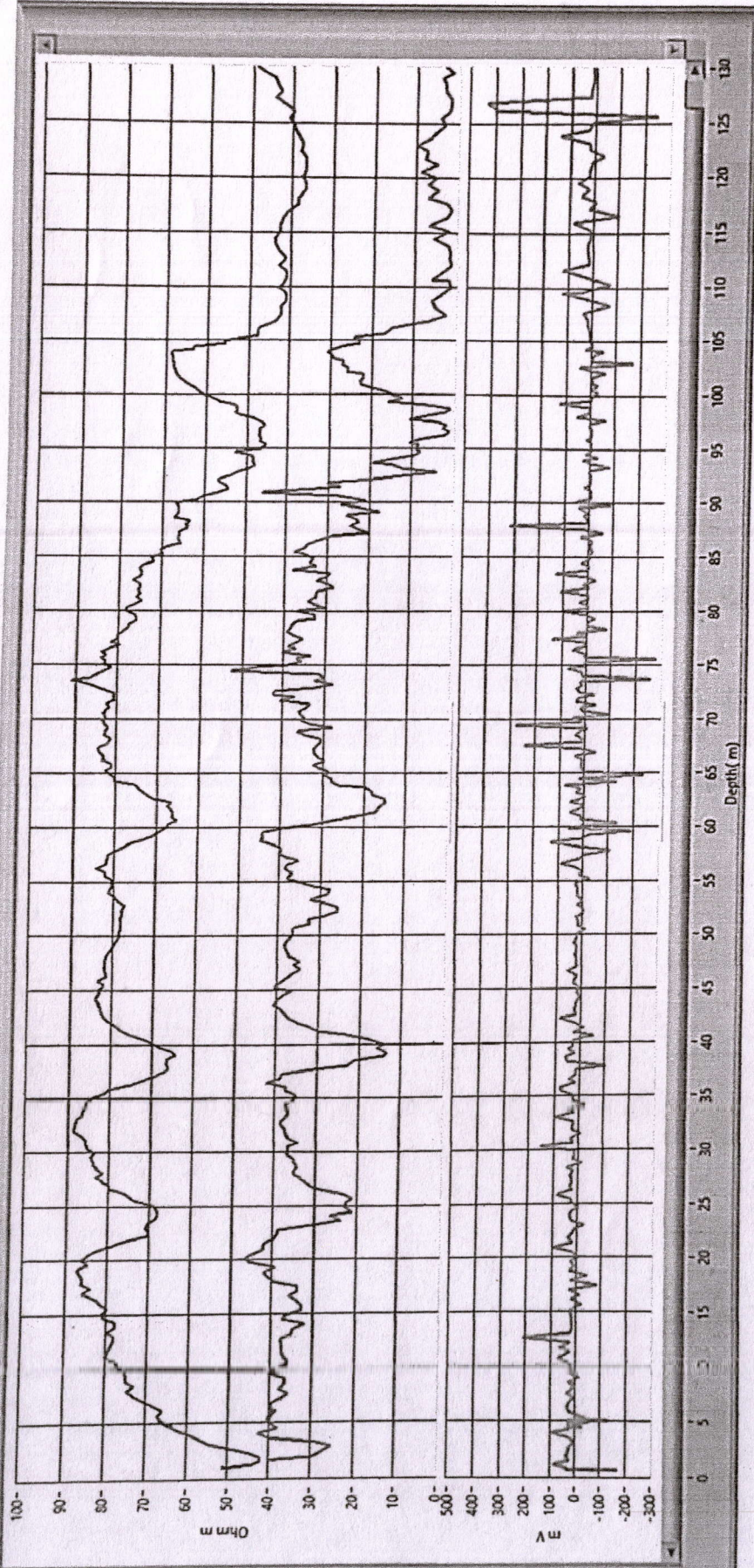
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Conclusions and Recommendations :-

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.





Rho a
 N16(SN)
 N64(LN)
 LAT

LOCATION: Logging Of: Lakshmi-Nagar
 Block: Changan, Dist. Buxar
 Log No. UP 1402/1901P
 Date: 12 Dec 2023
 Time: 18:20
 Observer: Utkarsh Gupta (AG)
 Inv: Deyan

Logger S. No. 1015/S/04/21-22

SP
 Logger Model: DMRP-2
 Logger Owned By: GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

