

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 849

Date:- 15-09-2022

NAME OF SITE

GRAM PANCHAYAT- Mubarakpur Kala
DISTT- Amroha

BLOCK- Amroha

NAME OF AGENCY

M/S OMIL-JWIL-JV
Amroha



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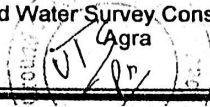
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUBARAKPUR KALA, BLOCK- AMROHA
DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

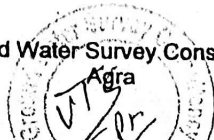
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S OMIL-JWIL-JV, Amroha.

On the request of M/S OMIL-JWIL-JV, Amroha. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 15.Sep.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 - 13	8	Fine to Medium sand	
3.	13 - 17	4	Clay kankar	
4.	17 - 29	12	Fine to Medium sand	Good
5.	29 - 35	6	Clay kankar	
6.	35 - 55*	20	Medium sand	Good
7.	55 - 65	10	Sandy clay	
8.	65 - 75*	10	Medium sand	Good
9.	75 - 78	3	Clay kankar	
10.	78 - 96*	18	Medium sand & Kankar	Good
11.	96 - 102	6	Kankar	
12.	102 - 115*	13	Fine to Medium sand	Good
13.	115 - 121	6	Clay kankar	
14.	121 - 130*	9	Medium sand	Good

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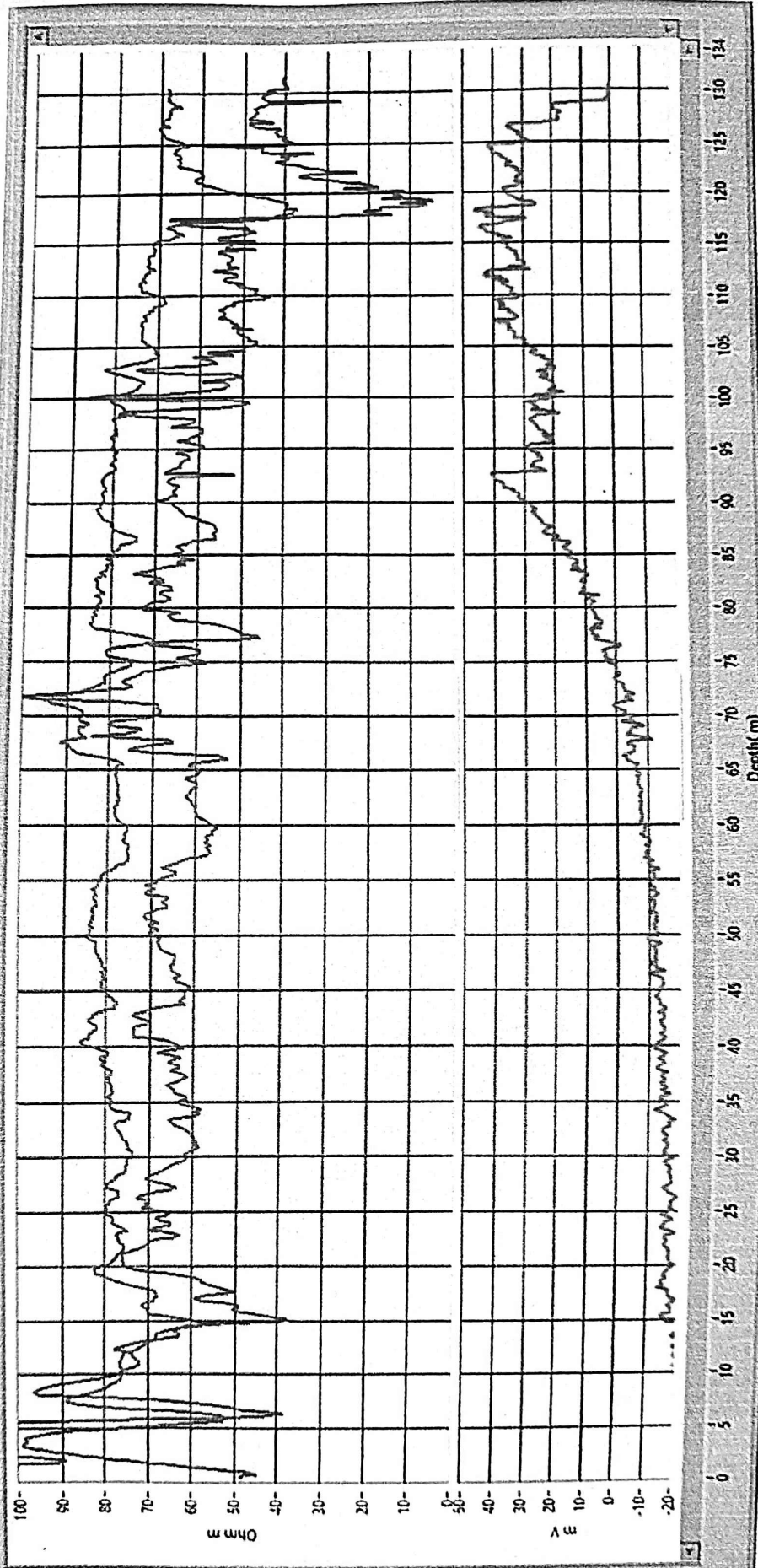
Conclusions and Recommendations :-

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 1000 to 1100 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.

Geophysicist



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 N 16(SN)
 N 64(LN)
 LAT
 Location
 150000 N / 1000000 E
 1500000 N / 1000000 E
 Area
 1500000 N / 1000000 E
 Date
 15 Dec 2002
 Time
 22:22
 Operator
 UT / Ash / S / B / G
 Plot Name

SP

