



Ground Water Survey Agency

ISO : 9001 : 2015

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

GROUND WATER SURVEY CONSULTANCY



Badam

M/s PNC-SPML-JV

NAME OF AGENCY

Gram Panchayat-Gandhrauli BLOCK-Bisalpur DISTT-Badam

NAME OF SITE

Ref No:- 259

Date:- 28-12-2021

ELECTROLOGGING REPORT

GEO-PHYSICAL WELL

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GROUND WATER SURVEY CONSULTANCY

For Bhagwati Borewell

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- GANDHRAULI, BLOCK - BISALPUR, DISTT.- BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 28. Dec. 2021.

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 - 16	11	Fine sand	
3.	16 - 30	14	Clay kankar	
4.	30 - 45	15	Medium sand	Medium
5.	45 - 60	15	Clay kankar	
6.	60 - 80*	20	Fine to Medium sand	Medium
7.	80 - 96*	16	Medium sand	Medium
8.	96 - 102	6	Clay kankar	
9.	102 - 117*	15	Medium sand	Medium
10.	117 - 120	3	Clay kankar	



For Borewell
Borewell

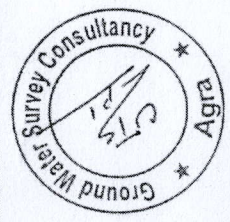
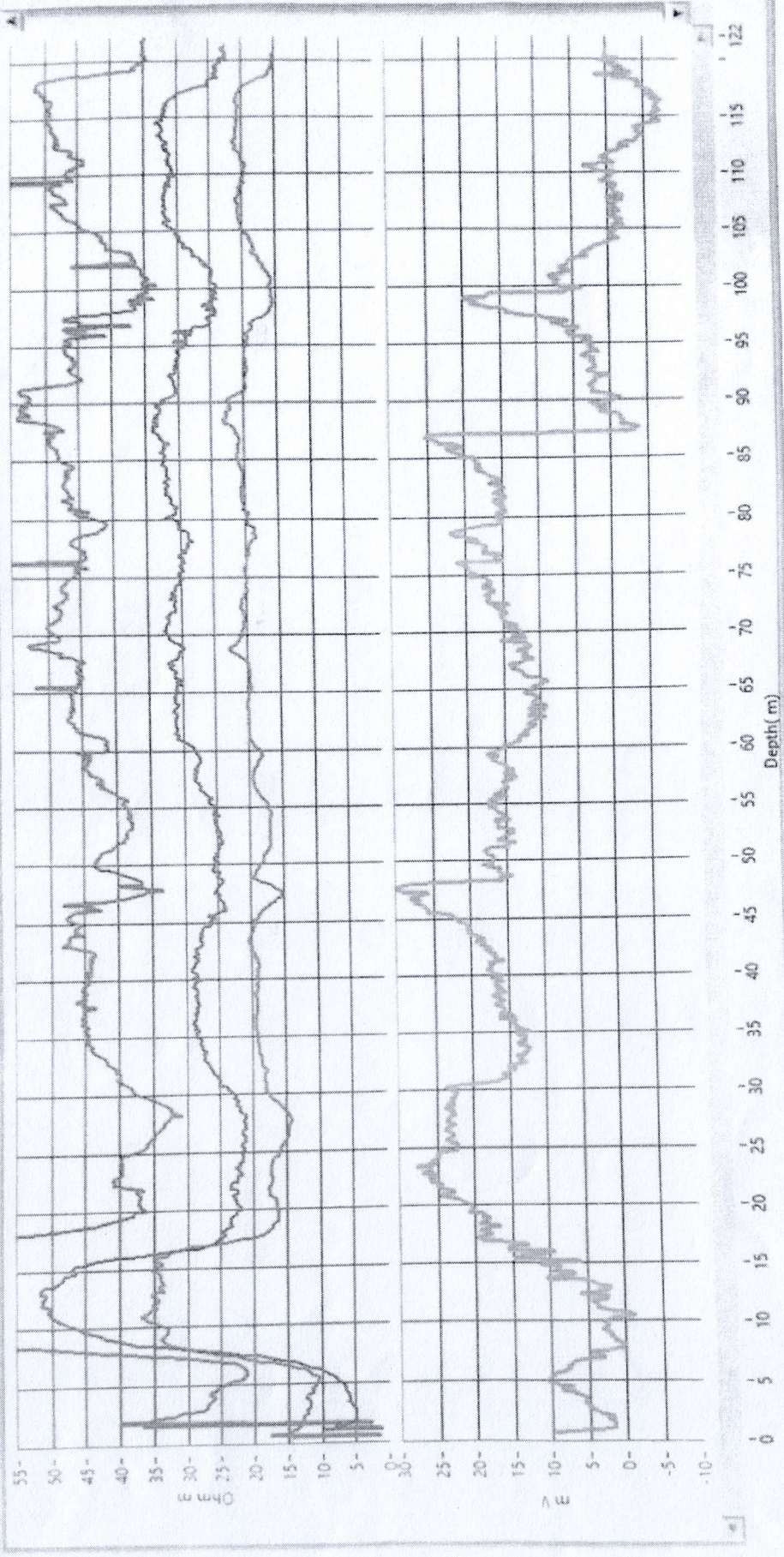
Conclusions and Recommendations :-

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 Medium.
4. Expected discharge is 1200 to 1400 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.



Ground Water Survey Consultancy

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 N 195(N)
 N 64 (N)
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