

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Date:- 24-05-2022

Ref No:- 269

NAME OF SITE

Gram Panchayat- Ban Behra BLOCK- Ambiyapur DISTT- Badam

NAME OF AGENCY

M/s PNC-SPML-JV
Badam



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- BAN BEHTA, BLOCK- AMBIYAPUR
DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 113 mtrs. depth. and Logged depth 110 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 24 May. 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 - 15	10	Clay kankar	
3.	15 - 25	10	Fine to Medium sand	
4.	25 - 40	15	Clay kankar	
5.	40 - 54*	14	Medium sand	Good
6.	54 - 68	14	Clay kankar	
7.	68 - 78*	10	Medium sand	Good
8.	78 - 84	6	Clay kankar	
9.	84 - 108*	24	Medium sand & Kankar	Good
10.	108 - 110	2	Clay kankar	



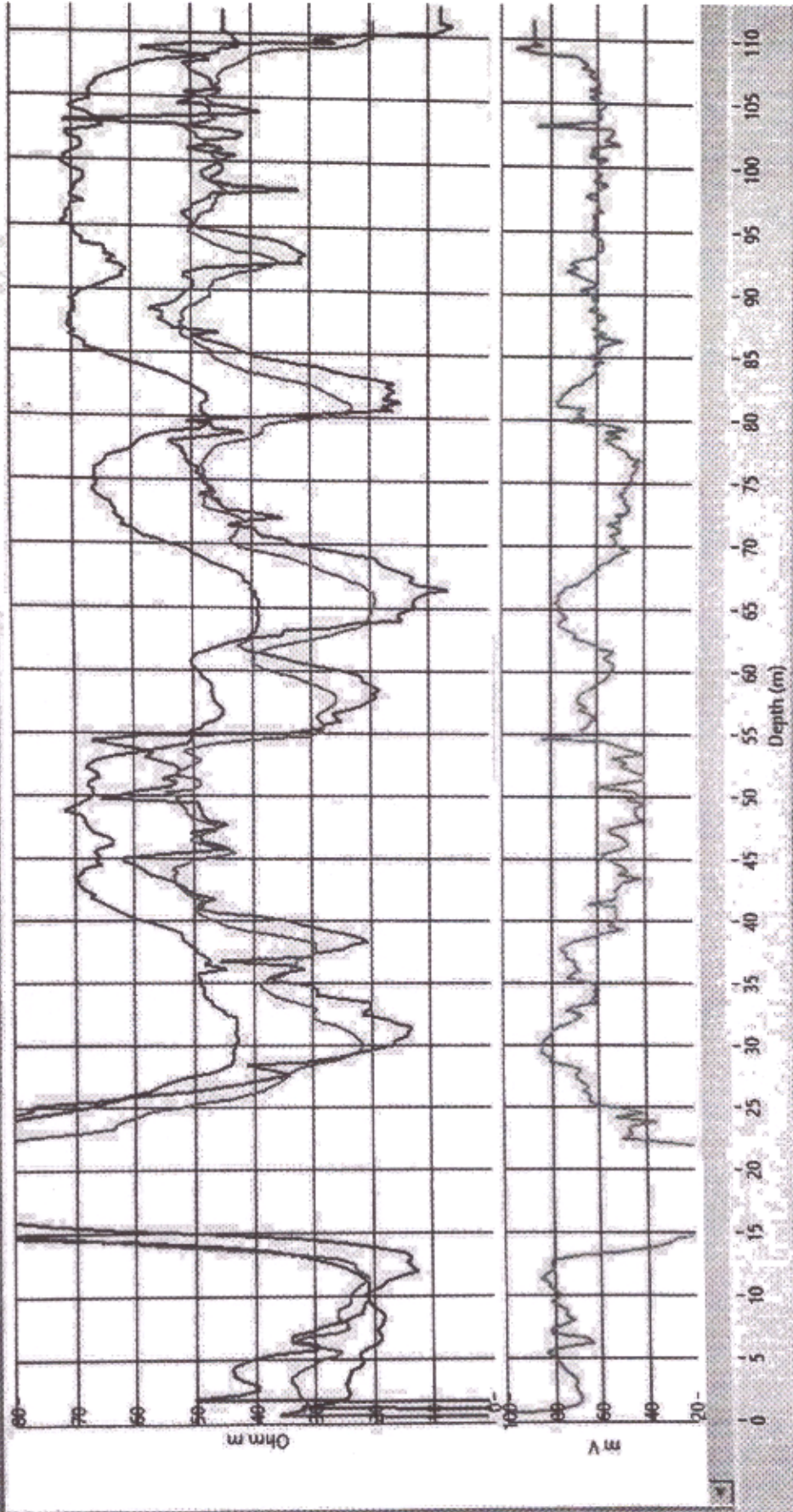


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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starts 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 900 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.



Rho a
 NT16 (SN)
 N64(LN)
 LAT

Logging V1 Ban.
 Behta Block,
 Amblyapur Distt
 Budaun
 LOGGIR/GUP
 24 May 2022
 PG 12
 Uttkash Gupta (AG)

SP (m V)

