

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 30

Date:- 05-04-2022

NAME OF SITE

Gram Panchayat- Bidha Nagla

BLOCK- Asafpur

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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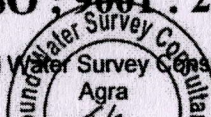
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BIDHA NAGLA, BLOCK- ASAFPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 131 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

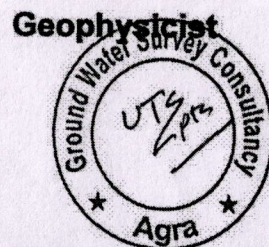
On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 05.Apr.2022.

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	Dry sand	
3.	15 - 35	20	Clay kankar	
4.	35 - 37	2	Fine sand	Good
5.	37 - 40	3	Clay kankar	
6.	40 - 60*	20	Medium sand	Good
7.	60 - 64	4	Clay kankar	
8.	64 - 90*	26	Medium sand	Good
9.	90 - 95	5	Kankar	
10.	95 - 106*	11	Fine to Medium sand	Good
11.	106 - 115	9	Clay kankar	
12.	115 - 130*	15	Medium sand	Good

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.



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Rho a

N16 (SN)
 N64(LN)
 LAT

Logging Bids
 Nayla Block, Asafpur
 Distt Budgam
 LOC:Ghidup
 05 Apr 2022
 11:22
 Uttamsh Gupta (JG)

SP (mV)

