

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 255

Date:- 20-05-2022

NAME OF SITE

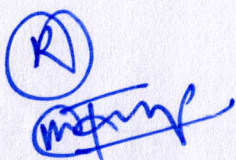
Gram Panchayat- Bhawanipur

BLOCK- Asafpur

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun





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- BHAWANIPUR, BLOCK- ASAFPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 114 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 20.May.2022.

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 - 18	13	Dry sand	
3.	18 - 25	7	Clay kankar	
4.	25 - 33	8	Medium sand	Good
5.	33 - 37	4	Clay kankar	
6.	37 - 48*	11	Medium sand	Good
7.	48 - 52	4	Clay kankar	
8.	52 - 69*	17	Medium sand	Good
9.	69 - 74	5	Clay kankar	
10.	74 - 84*	10	Medium sand	Good
11.	84 - 95	11	Clay kankar	
12.	95 - 106*	11	Medium sand	Good
13.	106 - 110	4	Clay kankar	

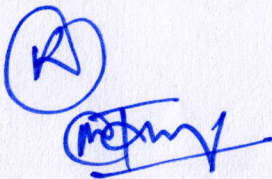


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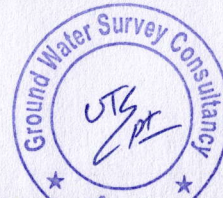


Conclusions and Recommendations :-

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 tube well.
3. The Quality of water is expected Good.
4. Expected discharge is 800 to 900 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.

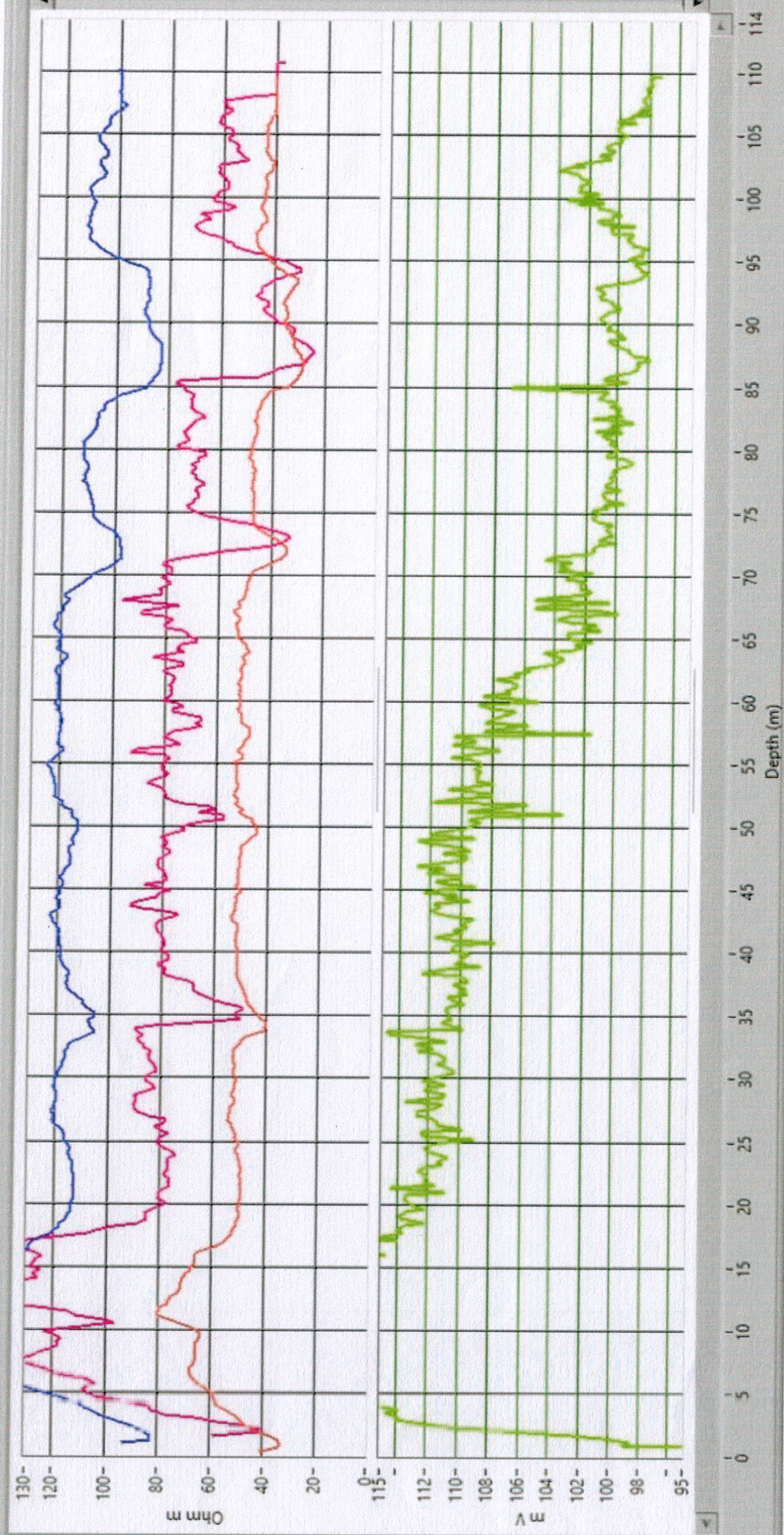


Geophysicist



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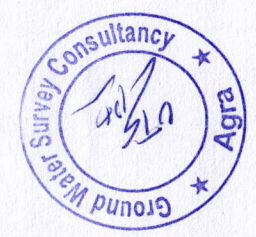




Rho a
 N16 (SN)
 N64 (LN)
 LAT

Logging V. Bhawanipur
 Block-Asafour Distt Etahoun
 UP LOGGING Co.
 20 May, 2022
 15:01
 Ushash Gupta (C)

SP (m V)



Handwritten signature and initials in blue ink.