

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 323

Date:- 02-06-2022

### NAME OF SITE

Gram Panchayat- Kua Danda

BLOCK- Ujhani

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**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KUA DANDA, BLOCK- UJHANI, 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 02.June.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 - 10	5	Fine sand	
3.	10 - 22	12	Sandy clay	
4.	22 - 33	11	Medium sand	Good
5.	33 - 36	3	Kankar	
6.	36 - 40	4	Fine to Medium sand	Good
7.	40 - 53	13	Clay kankar	
8.	53 - 92*	39	Medium sand	Good
9.	92 - 100	8	Clay kankar	
10.	100 - 105*	5	Medium sand	Good
11.	105 - 120	15	Clay kankar	



**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 tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 700 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**

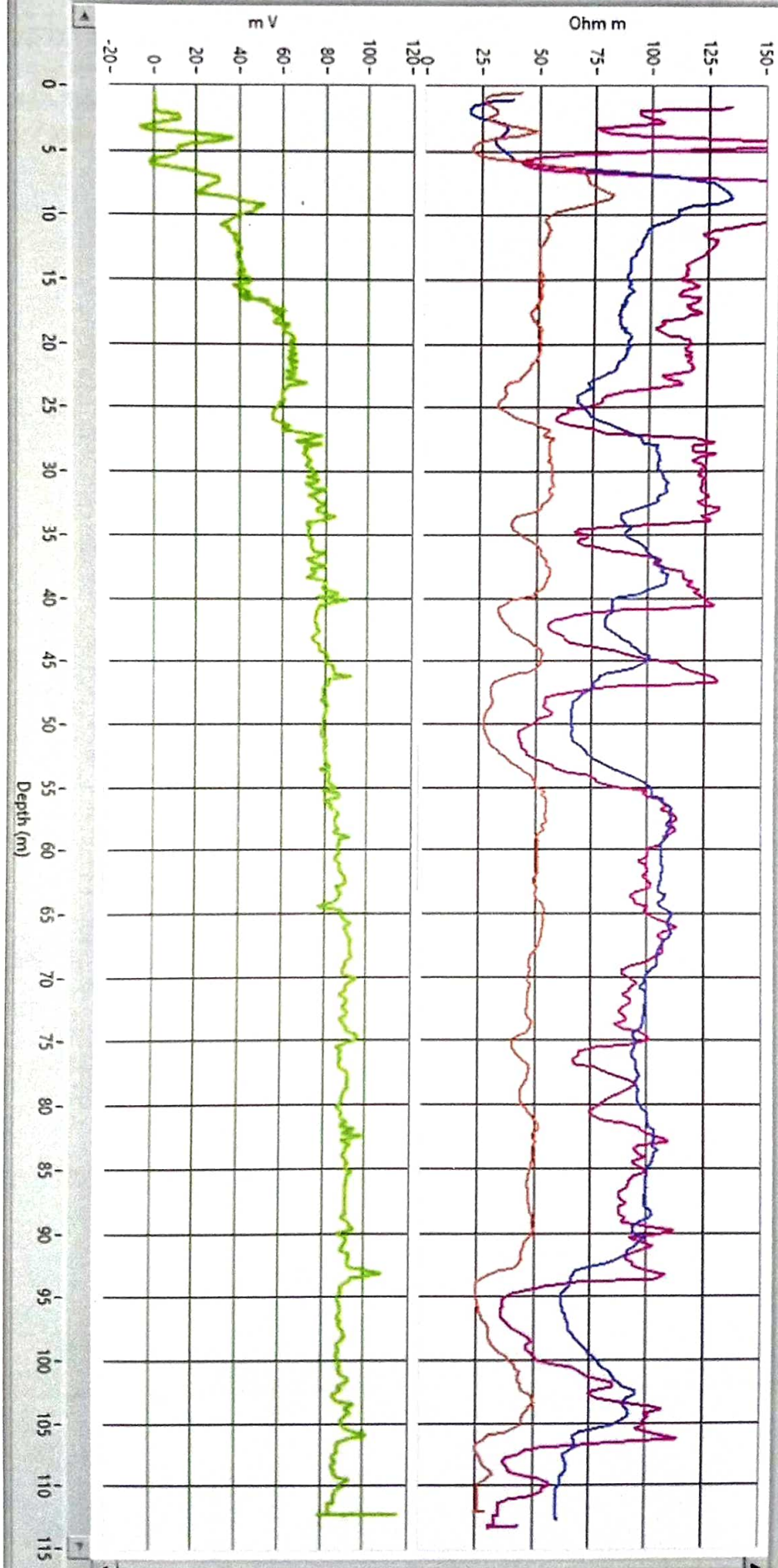


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Rho a

- N16 (SN)
- N64 (LN)
- LAT

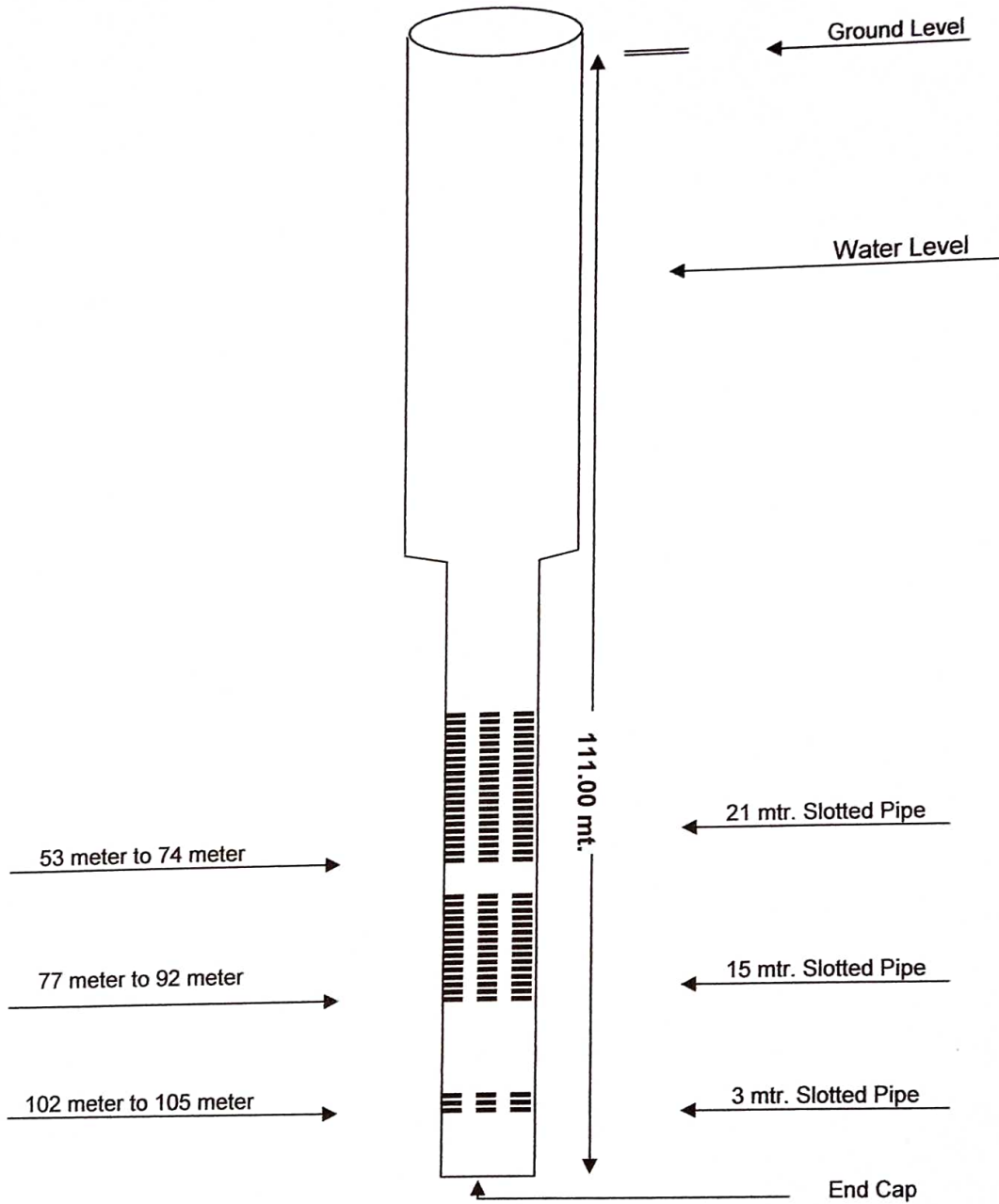
Logg'ng V. Kula Garuda Book  
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 02. Apr 2022  
 15.25  
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**ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART**  
**FOR**  
**M/s PNC-SPML-JV, Badaun**  
**AT SITE**

**Gram Panchayat - Kua Danda, Block - Ujhani, Distt.- Badaun**

Boring dia - **200X150mm.**  
Type of Boring - **Stainer**  
Depth of Loring - **111 Mtr.**  
Water Level - **22 Mtr.**



**RECOMMENDED CHART**

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