

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 375

Date:- 13-06-2022

NAME OF SITE

Gram Panchayat- Jajpura

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- JAJPURA, BLOCK- UJHANI, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 121 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 13.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 - 18	13	Sand & Kankar	
3.	18 - 27	9	Clay kankar	
4.	27 - 41	14	Medium sand	Good
5.	41 - 64	23	Clay kankar	
6.	64 - 77*	13	Medium sand	Good
7.	77 - 93	16	Clay kankar	
8.	93 - 107*	14	Medium sand	Good
9.	107 - 120	13	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 500 to 600 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

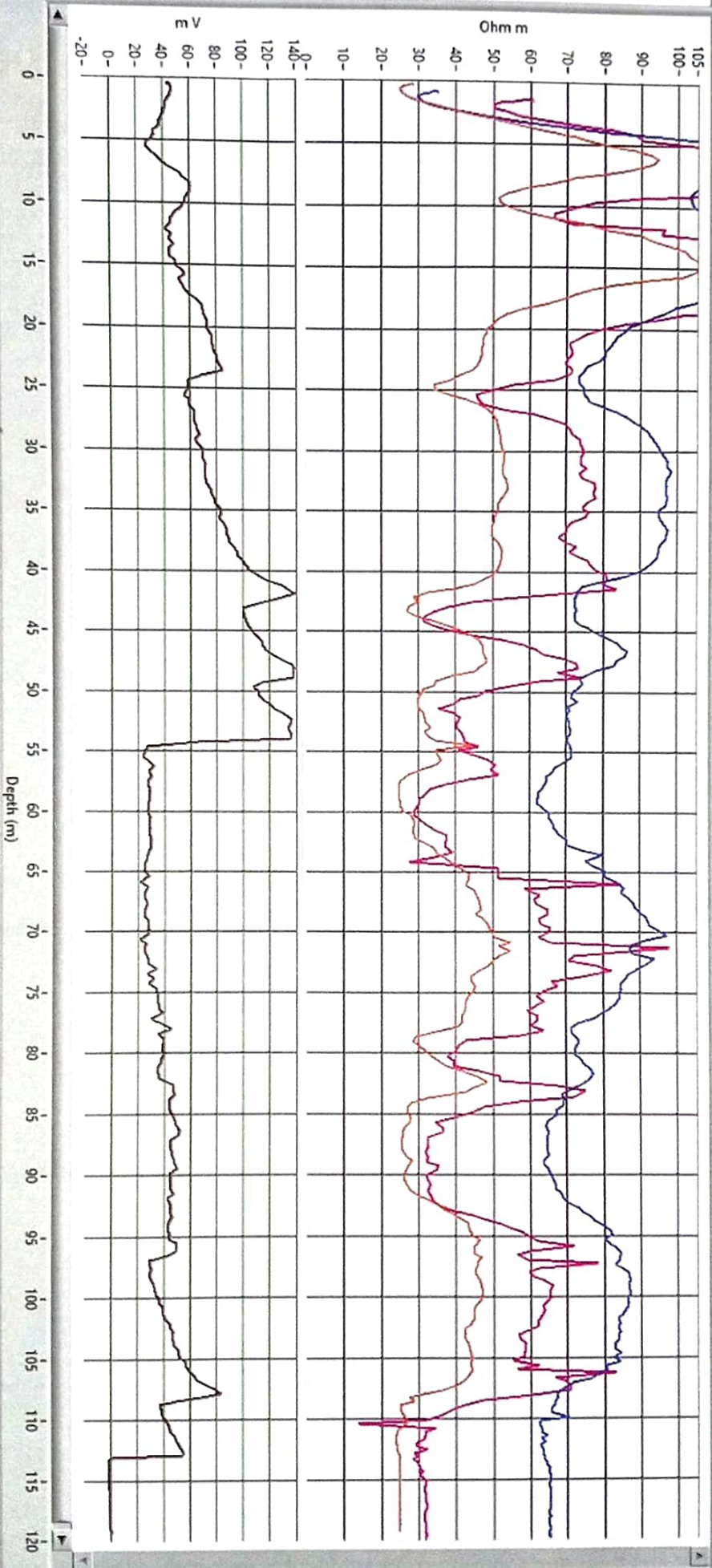


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Rho s
 NI6 (SN)
 N64(LN)
 LAT

Logging V. Jai Shil Book
 Upan, Dutt Bagan
 US 1000 N 200 E
 13 Apr 2011
 17:20
 UTM Zone 46QRS (46)

SP (m V)



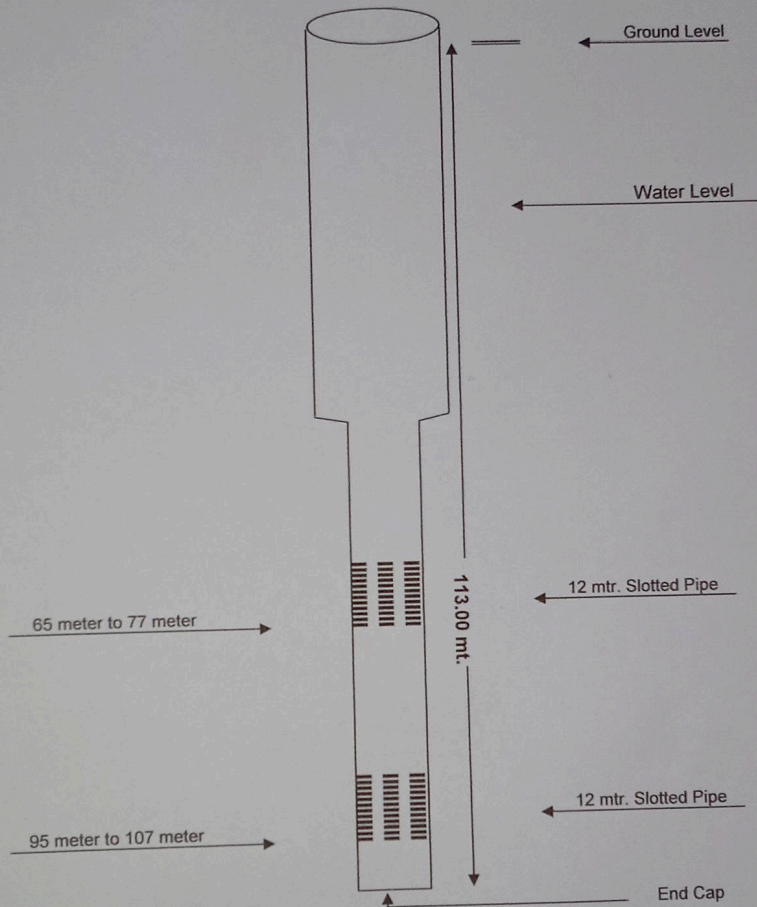
ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR

M/s PNC-SPML-JV, Badaun

AT SITE

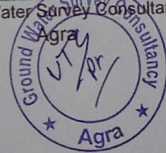
Gram Panchayat - Jajpura, Block - Ujhani, Distt.- Badaun

Boring dia - **200X150mm.**
Type of Boring - **Stainer**
Depth of Loring - **113 Mtr.**
Water Level - **21 Mtr.**



RECOMMENDED CHART

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ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

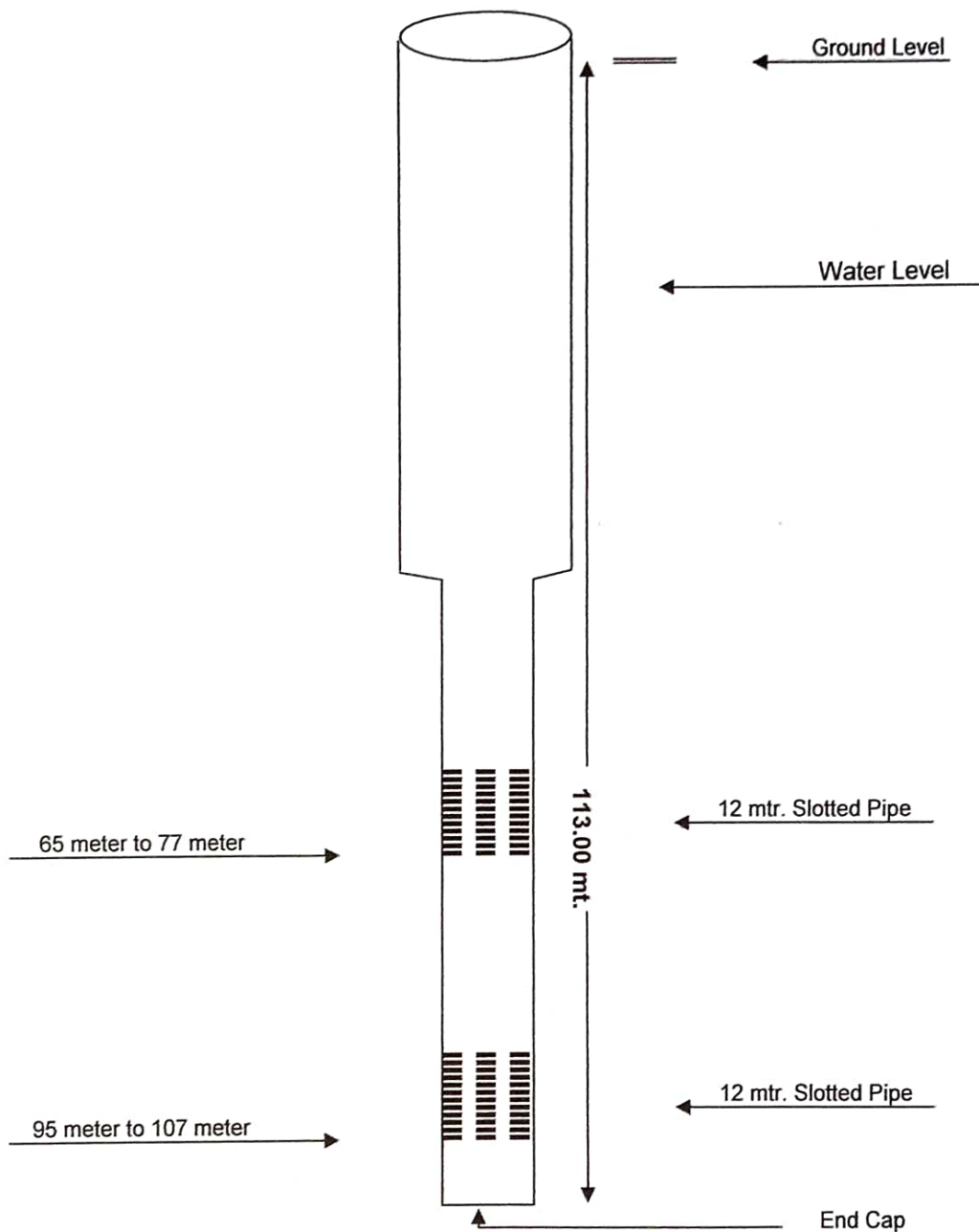
FOR

M/s PNC-SPML-JV, Badaun

AT SITE

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