

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-N-1089

Date:- 08-02-2023

NAME OF SITE

Gram Panchayat- Upraira

BLOCK- Jagat

DISTT- Budaun

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- UPRAIRA, BLOCK- JAGAT, DISTT- BUDAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 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 08.Feb.2023.

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 - 30	12	Clay kankar	
4.	30 - 57*	27	Medium sand	Med to Good
5.	57 - 61	4	Clay kankar	
6.	61 - 70*	9	Medium sand	Med to Good
7.	70 - 78	8	Clay kankar	
8.	78 - 85	7	Sand & kankar	Med to Good
9.	85 - 92	7	Clay kankar	
10.	92 - 107*	15	Medium sand	Med to Good
11.	107 - 119	12	Clay kankar	
12.	119 - 130*	11	Medium sand	Med to Good

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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 tubewell.
3. The Quality of water is expected Medium to Good.
4. 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.
5. 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.

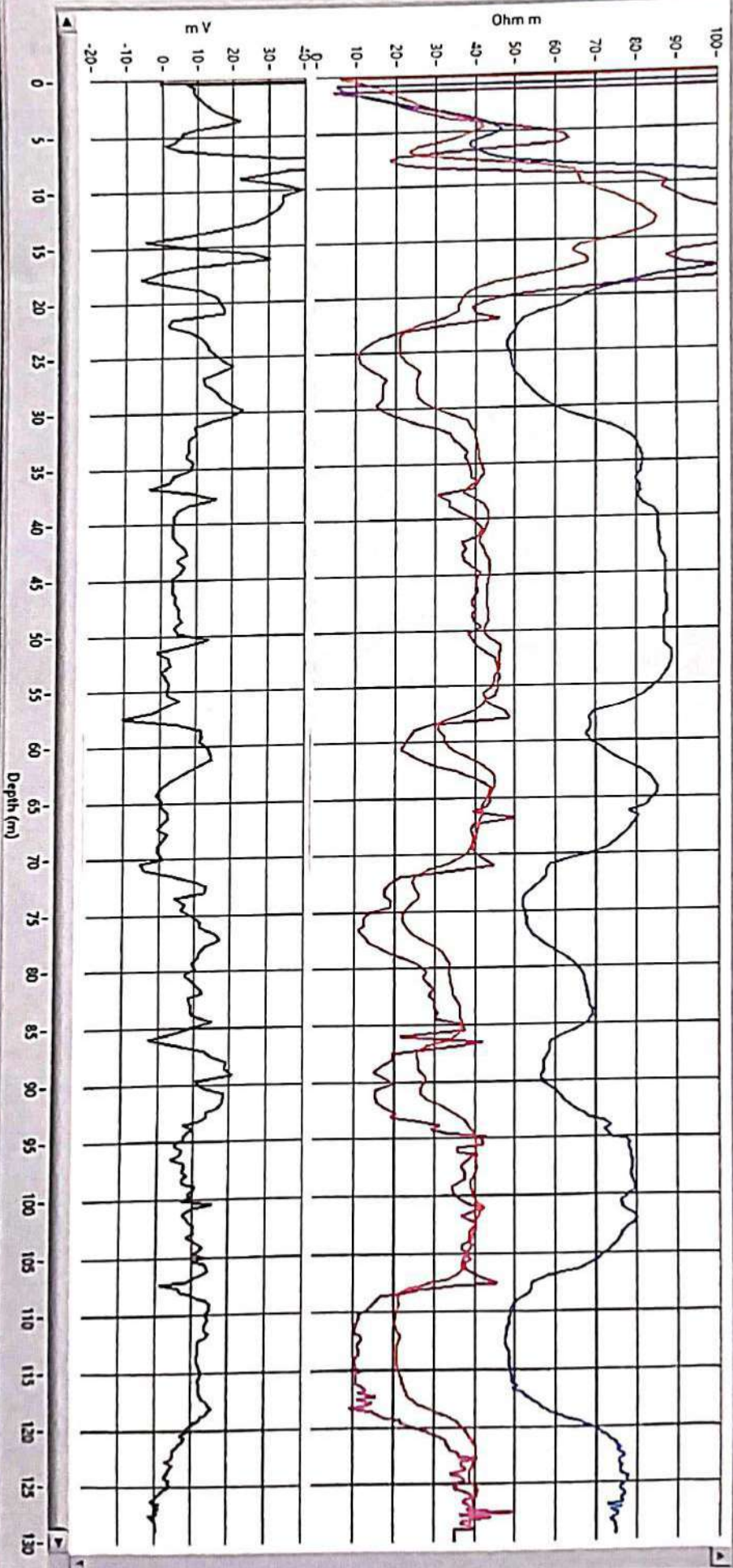


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No. 8
 NIS (SN)
 NS-LUD
 LAT

Date of Survey: 12.02.2011
 Name of the Station: ...
 Name of the Officer: ...
 Name of the Operator: ...

SP (m V)



Upraila G.P. w/c Scheme Under JJM Programme
Block - Jagat Distt - Budlaun

Dt - 08/02/2023

D - 130m (600 x 450) mmφ

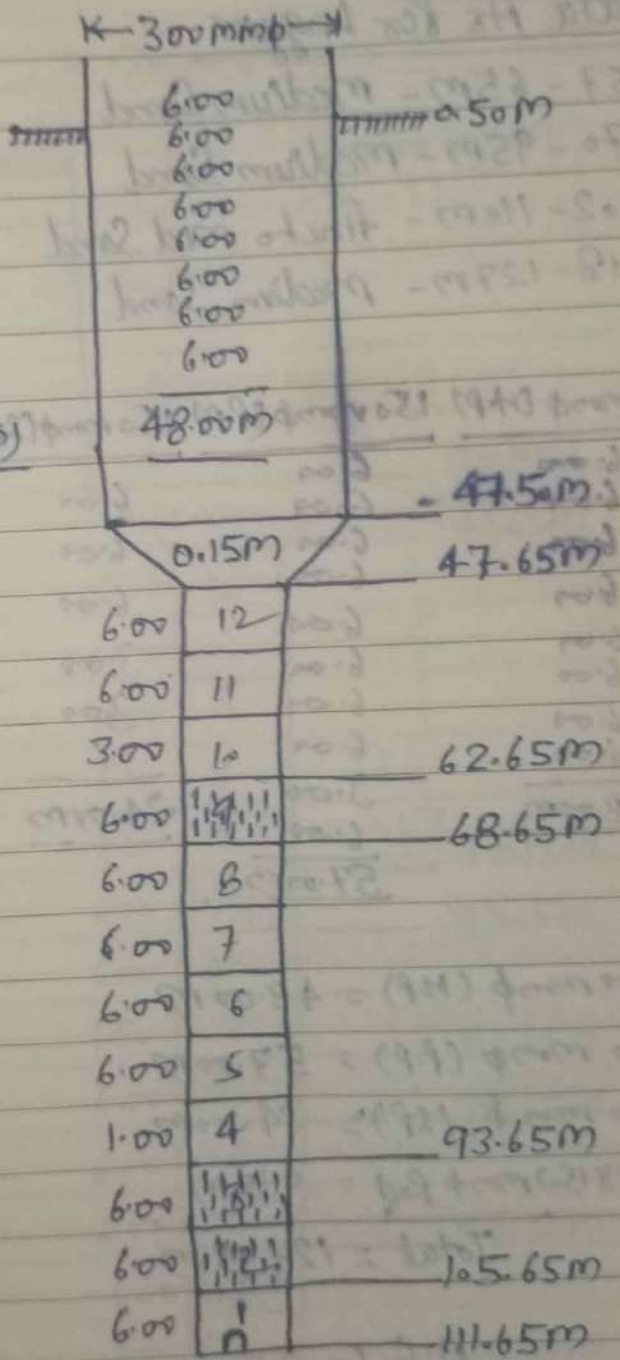
Discharge - 810 LPM

L - 120m (300 x 150) mmφ

47m Head 17.5HP

Strata As per Loggers

- 61-70m - Medium Sand
- 92-107m - Medium Sand
- 119-130m - Medium Sand



300mmφ (H.P) 150mmφ (P.P) 150mmφ (S.P)

6.00	6.00	6.00
6.00	6.00	6.00
6.00	3.00	6.00
6.00	6.00	6.00
6.00	6.00	18.00m
6.00	6.00	
6.00	6.00	
6.00	1.00	
48.00m	6.00	
	46.00m	

300mmφ (H.P) = 48.00m
 150mmφ (P.P) = 46.00m
 150mmφ (S.P) = 18.00m
 (300 x 150) mmφ Red = 0.15m
Total = 112.15m

A.L.L = 0.50m
 B.L.L = 111.65m
Total = 112.15m