

Rahma GriP w/ Scheme Under IJM Programme  
Blocki - Jagat Distb - Bydoun

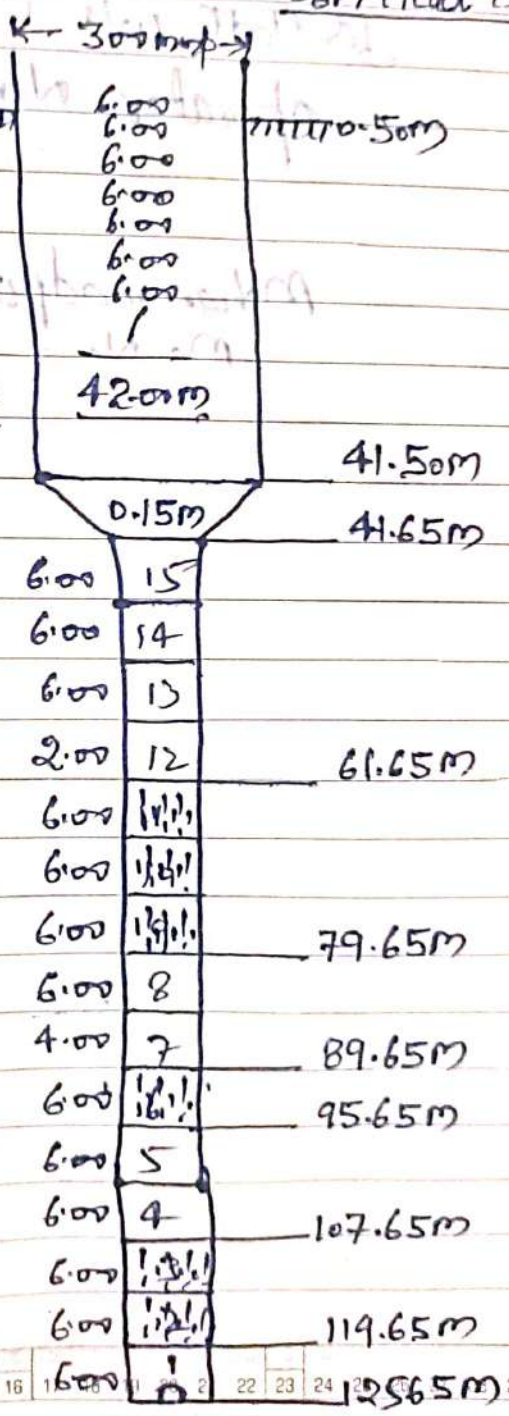
D - 140m (600 x 500) mm $\phi$   
 L - 130m (300 x 200) mm $\phi$

Dt - 04/09/23  
Discharge - 950 LPM  
36m Head 15 H.P

Stacuta AA Per Logger -

- 52 - 82m - Medium Sand
- 86 - 100m - Medium Sand
- 106 - 121m - Medium Sand

<u>300 mm<math>\phi</math> (H.P)</u>	<u>200 mm<math>\phi</math> (P.P)</u>	<u>200 mm<math>\phi</math> (S.P)</u>
<u>300 mm<math>\phi</math> (H.P)</u>	<u>250 mm<math>\phi</math> (P.P)</u>	<u>250 mm<math>\phi</math> (S.P)</u>
6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	6.00
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6.00	6.00	6.00
6.00	6.00	6.00
<u>42.00m</u>	<u>6.00</u>	<u>36.00m</u>



300 mm $\phi$  (H.P) = 42.00m  
 200 mm $\phi$  (P.P) = 48.00m  
 200 mm $\phi$  (S.P) = 36.00m  
(300 x 200) mm $\phi$  Red = 0.15m  
Total = 126.15m

A-b/L = 0.50m  
 B-b/L = 128.65m

Total = 126.15m

*[Handwritten signature]*

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:-N-1419

Date:- 04-03-2023

NAME OF SITE

Gram Panchayat- Rahma

BLOCK- Jagat

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006  
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAHMA, BLOCK- JAGAT, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 04.Mar.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:-

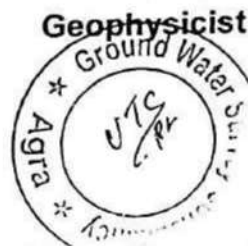
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 25	20	Fine to Medium sand	
3.	25 - 32	7	Clay kankar	Med to Good
4.	32 - 45	13	Medium sand	
5.	45 - 52	7	Clay kankar	Med to Good
6.	52 - 82*	30	Medium sand	
7.	82 - 86	4	Clay kankar	Med to Good
8.	86 - 100*	14	Medium sand & kankar	
9.	100 - 106	6	Clay kankar	Med to Good
10.	106 - 121*	15	Medium sand	
11.	121 - 132	11	Clay kankar	Med to Good
12.	132 - 135*	3	Medium sand	
13.	135 - 140	5	Sandy clay	

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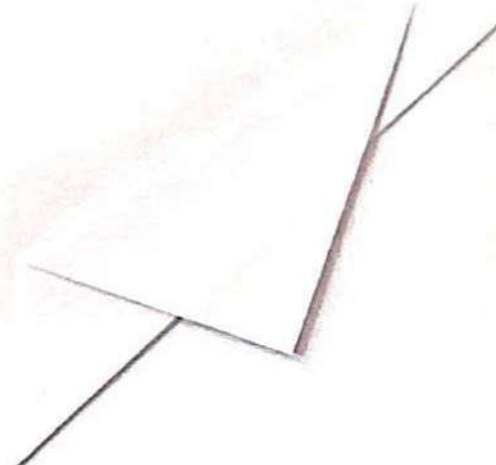


**Conclusions and Recommendations :-**

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.



**Ground Water Survey Consultancy**



Rho z  
 N 16(SN)  
 N 64 (LN)  
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SP

