

August 08

WK-32 220-145 Sun

Asamya Rahabpur Pukhta G.P wss Under Irm Prog.

Block - Usawan Distt - Budauin

PT-25/01/2023

D-120m (200x500) mmph Discharge - 550 LPM

L-110m (200x150) mmph 40M Head 10HP

Greata As Per Logger →

45-56m - Medium Sand

63-70m - Medium Sand

99-105m - fine to med. Sand

200mmph (LHP) 150mmph (LP) 150mmph (SP)

6.00 1.40 6.00

6.00 6.00 5.00

6.00 3.00 4.00

6.00 6.00 15.00M

6.00 6.00 6.00

6.00 6.00 5.00

48.00M 46.40M

200 mmph (LHP) = 48.00M

150 mmph (LP) = 46.40M

150 mmph (SP) = 15.00M

(200x150) mmph Red = 0.15M

Total = 109.55M

A G.L = 0.50M

B. G.L = 109.05M

Total = 109.55M

K-200mmph →

6.00

6.00

6.00

6.00

6.00

6.00

48.00M

0.15M

13

1.40

6.00

6.00

3.00

5.00

6.00

6.00

6.00

6.00

6.00

6.00

1.00

4.00

5.00

K-150mmph →

6.00

6.00

6.00

6.00

6.00

48.00M

0.15M

13

1.40

6.00

6.00

3.00

5.00

6.00

6.00

6.00

6.00

6.00

6.00

1.00

4.00

5.00

109.05M

109.05M

109.05M

47.50M

47.65M

49.05M

55.05M

64.05M

69.05M

109.05M

109.05M

109.05M



GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:-N-953

Date:- 25-01-2023

NAME OF SITE

Gram Panchayat- Asamyia Rafatpur Pukhta      BLOCK- Usawa      DISTT- Budaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ASAMYA RAFATPUR PUKHTA, BLOCK- USAWA, DISTT.- BUDAUN  
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 25.Jan.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 - 8	3	Clay kankar	
3.	8 - 14	6	Medium sand	Medium
4.	14 - 19	5	Clay kankar	
5.	19 - 27	8	Medium sand	Medium
6.	27 - 45	18	Clay kankar	
7.	45 - 56*	11	Medium sand	Medium
8.	56 - 63	7	Clay kankar	
9.	63 - 70*	7	Medium sand	Medium
10.	70 - 99	29	Clay kankar	
11.	99 - 105*	6	Fine to Medium sand	Medium
12.	105 - 108	3	Clay kankar	
13.	108 - 120*	12	Fine to Medium sand	Medium

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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.
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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