

Bayer Khalsa G.P. w/s Scheme Under JPM Programme  
Block - Sahaswan Distt - Budaun

DT - 12/12/2022

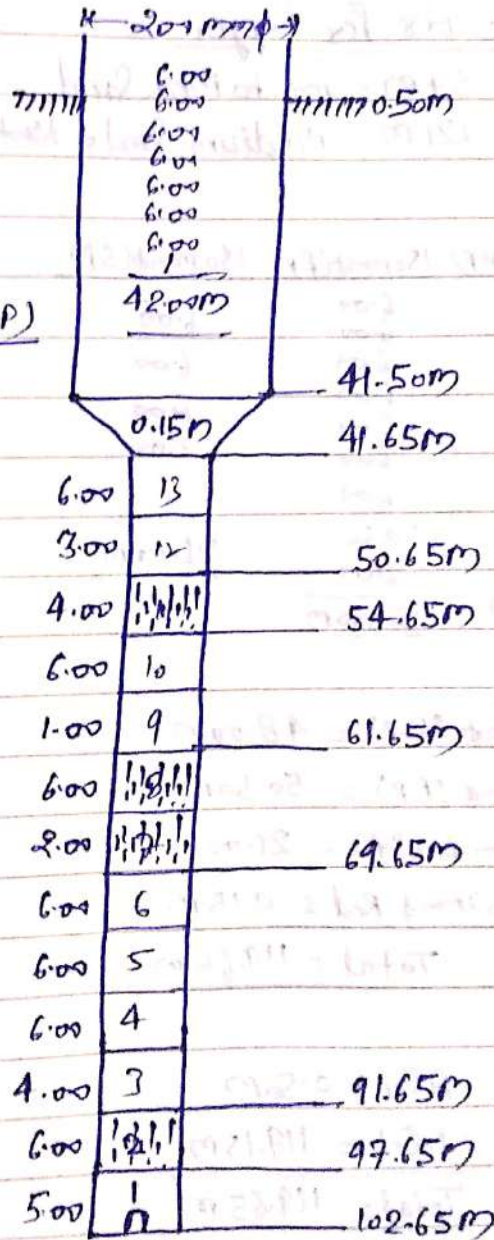
Discharge - 150 LPM  
38m Head 10 HP

State As per Logger -

D - 110m (500x500)mmφ  
 L - 100m (200x150)mmφ

- 48-56m - Medium Sand
- 60-71m - Medium Sand
- 90-105m - Medium Sand

200mmφ (H.P)	150mmφ (P.P)	150mmφ (S.P)
6.00	6.00	4.00
6.00	3.00	6.00
6.00	6.00	6.00
6.00	1.00	2.00
6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	18.00m
<u>42.00m</u>	<u>4.00</u>	
	<u>5.00</u>	
	<u>43.00m</u>	



200mmφ (H.P) = 42.00m  
 150mmφ (P.P) = 43.00m  
 150mmφ (S.P) = 18.00m  
 (200x150)mmφ Red = 0.15m  
Total = 103.15m

A.G.L = 0.50m  
 B.G.L = 102.65m  
Total = 103.15m

K-150mmφ

MAY  
 JUNE

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL**  
**ELECTOLOGGING REPORT**

Ref No:- 288

Date:- 11-12-2022

**NAME OF SITE**

Gram Panchayat- Buxer Khalsa

BLOCK- Sahaswan

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy

AGRA



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- BUXER KHALSA, BLOCK- SAHASWAN, DISTT.- BADAUN UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 conducted at above bore hole using IGIS Well Logger on 10.Dec.2022.

Logging Parameters - 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 - 15	10	Fine sand	
3.	15 - 18	3	Clay kankar	
4.	18 - 35	17	Medium sand	Good
5.	35 - 48	13	Clay kankar	
6.	48 - 56*	8	Medium sand	Good
7.	56 - 60	4	Clay kankar	
8.	60 - 71*	11	Medium sand	Good
9.	71 - 80	9	Clay kankar	
10.	80 - 87	7	Kankar	
11.	87 - 90	3	Clay kankar	
12.	90 - 105*	15	Medium sand	Good
13.	105 - 110	5	Clay kankar	

**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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. 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.

**Geophysicist**



**Ground Water Survey Consultancy**

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Survey No. IGSS/03/21-22  
 Upper Volta  
 DMAPL-2  
 Upper Volta  
 Ground Water Survey  
 Consultancy - Agre  
 India

