

Hardaspur: G.P. w/ps Scheme Under JIM Programme  
Block: Asafpur Distt: Budaun

Dt - 20/10/2022

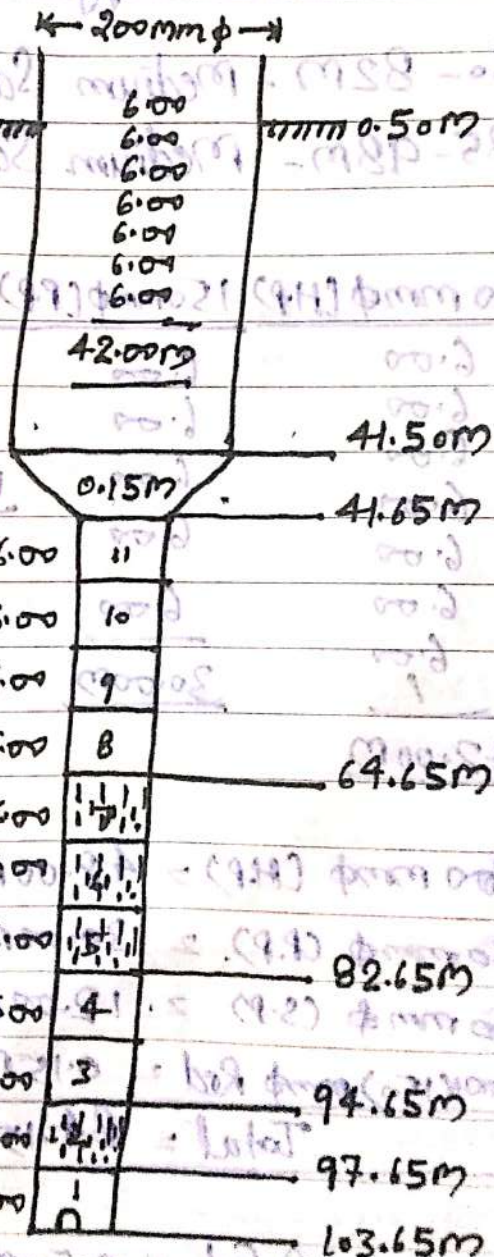
Strata As Per Loggers -

D - 120m (500x500)mmφ  
 L - 110m (200x150)mmφ

Discharge - 450 LPM  
36m Head 10 H.P

57-85m - Medium Sand  
 90-107m - fine to med. Sand

200mmφ (H.P)	150mmφ (P.P)	150mmφ (S.P)
6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	6.00
6.00	5.00	6.00
6.00	6.00	3.00
6.00	6.00	21.00m
6.00	6.00	
<u>42.00m</u>	<u>41.00m</u>	



200mmφ (H.P) = 42.00m  
 150mmφ (P.P) = 41.00m  
 150mmφ (S.P) = 21.00m  
 (200x150)mmφ Red = 0.15m  
Total = 104.15m

A.B.L = 9.50m  
 B.B.L = 103.65m  
Total = 104.15m

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HARDASPUR, BLOCK- ASAFPUR, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 122 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 18.Oct.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	Dry sand	
3.	18 - 26	8	Clay kankar	
4.	26 - 36	10	Medium sand	Good
5.	36 - 43	7	Clay kankar	
6.	43 - 48	5	Medium sand	Good
7.	48 - 57	9	Clay kankar	
8.	57 - 85*	28	Medium sand	Good
9.	85 - 90	5	Kankar	
10.	90 - 107*	17	Fine to Medium sand	Good
11.	107 - 113	6	Clay kankar	
12.	113 - 120*	7	Medium sand	Good

**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**

Rho a  
 N 165N  
 N 64 (LV)  
 LAT

Location:  
 Logging GP  
 Haradspur Block:  
 Asafpur Distt  
 Budaur  
 Log No.  
 LOGGILLGUP  
 Date:  
 18 Oct 2022  
 Time:  
 13:37  
 Observer:  
 Ujjarish Gupta (G)  
 Well Depth:

SP

