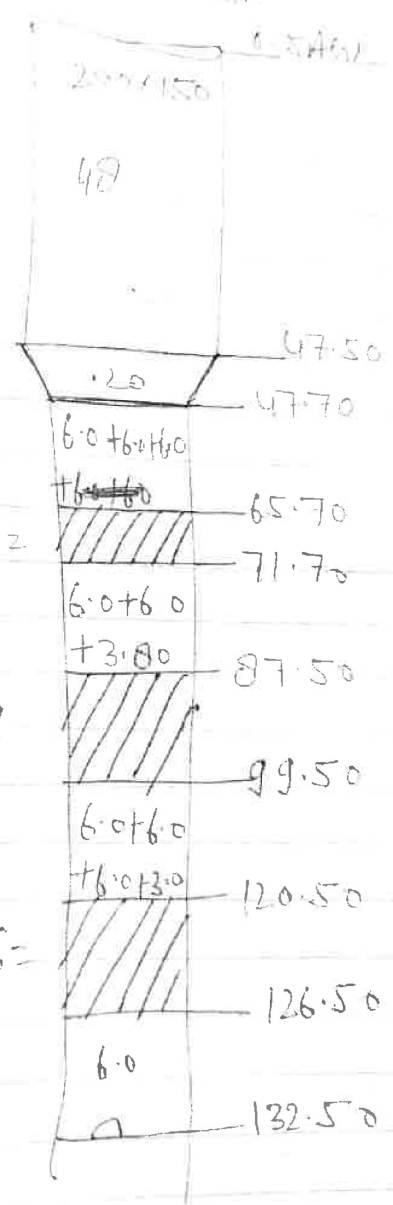


01-08/06/23  
 P. Patvan Block. Pargawan Dist. Haridwar  
 Pop 550 (Pm) 200 x 150 / 24 mt

Logging 01-07/06/23  
 7- 45-58-13  
 9- 65-73 = 8 = 6  
 11- 81-101 = 20 = 12  
 13- 120-127 = 7 = 6  
 15- 135-152 = 17

Total = 48 + 20 + 18  
 + 15.80 + 21 + 6  
 + 24  
 = 133 - 0.5 AHL  
 = 132.50  
 08/06/23



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- PATVAN, BLOCK- PASGAWAN, DISTT-LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 165 mtrs. at above site. Was drilled by M/s NCC, Lakhimpur Khiri.

On the request of M/s NCC, Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 07.June.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:-

Mud Resistivity = 22.80 Ohms.

Drilling Water Resistivity = 23.66 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 20	5	Fine sand	Good
4.	20 - 25	5	Clay kankar	
5.	25 - 31	6	Fine to Medium sand	Good
6.	31 - 45	14	Clay kankar	
7.	45 - 58*	13	Medium sand	Good
8.	58 - 65	7	Clay kankar	
9.	65 - 73*	8	Medium sand	Good
10.	73 - 81	8	Clay kankar	
11.	81 - 101*	20	Medium sand	Good
12.	101 - 118	17	Clay kankar	
13.	118 - 127*	9	Medium sand	Good
14.	127 - 134	7	Clay kankar	
15.	134 - 152*	18	Medium sand	Good
16.	152 - 160	8	Clay kankar	
17.	160 - 165*	5	Fine to Medium sand	Good

G.Sh  
08/06/23

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines  
- Groundwater quality interpreted by firm as per their logger calibration.