

Compressor OP only

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- VIJAYPUR SISWAN, BLOCK- GILAULA, DISTT- SHRAVASTI  
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 M/s Vishwanath Project Limited, Shravasti.

On the request of M/s M/s Vishwanath Project Limited, Shravasti. a Geophysical well Logging in the above bore hole using IG S Well Logger on 08.May.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 = 21.49 Ohms.

Drilling Water Resistivity = 22.60 Ohms.

Approx Water Level = 5 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Fine sand	Good
3.	13 - 20	7	Clay kankar	
4.	20 - 26	6	Fine to Medium sand	Good
5.	26 - 32	6	Clay kankar	
6.	32 - 43	11	Medium sand	Good
7.	43 - 50	7	Clay kankar	
8.	50 - 75*	25	Medium sand	Good
9.	75 - 81	6	Kankar	
10.	81 - 110*	29	Medium sand	Good
11.	110 - 118	8	Clay kankar	
12.	118 - 121	3	Sand & kankar	Good
13.	121 - 125	4	Clay kankar	
14.	125 - 140*	15	Medium sand	Good
15.	140 - 155	15	Clay kankar	
16.	155 - 165*	10	Medium sand	Good

S No 8 - 50 - 55 Ground Water Survey Consultancy

and 65 - 75

Billed No 10 - 01 - 07

MS ENTER

G. C. P.

Logging performed per SWSM guidelines - Groundwater quality interpreted by for their logs