

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KATHA, 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 IGIS Well Logger on 18.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 = 22.46 Ohms.

Drilling Water Resistivity = 23.61 Ohms.

Approx Water Level = 4.5 Mtr

S.No.	Depth range(m)	Thickness (m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 45	35	Medium sand	Good
4.	45 - 50	5	Clay kankar	
<del>5</del>	50 - 79*	29	Medium sand	Good
6.	79 - 85	6	Clay kankar	
<del>7</del>	85 - 113*	28	Medium sand	Good
8.	113 - 125	12	Clay kankar	
<del>9</del>	125 - 138*	13	Medium sand	Good
10.	138 - 145	7	Clay kankar	
<del>11</del>	145 - 150*	5	Fine to Medium sand	Good
12.	150 - 157	7	Clay kankar	
<del>13</del>	157 - 165*	8	Medium sand	Good

N013-157-161

(4m)

Ground Water Survey Consultancy



- Logging performed as per SWM guideline  
- Groundwater quality interrelated by factors as per their log calibration.

G.Sh

*[Signature]*

20/05/23

M/S M/S ENTERPRISE