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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BASTAR MAU, BLOCK- SAHAWAR, DISTT- KASGANJ  
UNDER  
JAL JIVAN MISSION

**Introduction :**

A Deep bore hole was drilled 144 mtrs. depth. and Logged depth 142 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Kasganj.

On the request of M/S PNC-SPML-JV, Kasganj. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 09.Aug.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 = 15.78 Ohms.

Drilling Water Resistivity = 16.60 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 15	5	Dry sand	
4.	15 - 20	5	Clay kankar	
5.	20 - 38	18	Medium sand & kankar	Medium
6.	38 - 57	19	Clay kankar	
7.	57 - 61*	4	Medium sand	Medium
8.	61 - 66	5	Clay kankar	
9.	66 - 76*	10	Medium sand	Medium
10.	76 - 102	26	Clay kankar	
11.	102 - 115*	13	Medium sand	Medium
12.	115 - 120	5	Clay kankar	
13.	120 - 123*	3	Fine to Medium sand	Medium
14.	123 - 133	10	Clay kankar	
15.	133 - 138*	5	Fine to Medium sand	Medium
16.	138 - 142	4	Clay kankar	

Ground Water Survey Consultancy

