REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- PARSAR, BLOCK- MOHAMMADI, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 170 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 16.Dec.2022.

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 = 23.48 Ohms.
Drilling Water Resistivity = 27.50 Ohms.
Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Sandy clay	
3.	20 - 29	9	Clay kankar	
4.	29 - 51	22	Medium sand	Med to Good
5.	51 - 57	6	Clay kankar	
6.	57 - 67*	10	Medium sand	Med to Good
7.	67 - 74	7	Clay kankar	
8.	74 - 85*	9	Medium sand	Med to Good
9.	85 - 90	5	Clay kankar	
10.	90 - 111*	11	Medium sand	Med to Good
11.	111 - 115	4	Kankar	
12.	115 - 126*	11	Medium sand	Med to Good
13.	126 - 133	7	Clay kankar	
14.	133 - 160*	27	Medium sand	Med to Good
15.	160 - 165	5	Clay	

Ground Water Survey Consultancy
Agra

– Logging performed as per SWSM guidelines. Ground water quality interpreted by firm as per their logger calibration

42m

dov
ice
80m-3

Paraspur, Block – mohammadi
Panchayat?

Reg. dia – 650 cm
A.Size – 3.0 x 150 mm
T. depth – 160 m

Report – 16"/2

1. 57 – 67 = 10
74 – 85 = 9
90 – 111 = 21 = 15
115 – 126 = 11 = 9
133 – 160 = 27