

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- PATARIA, BLOCK- SHAHABAD, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth and logged depth 140 mtrs. at above site was drilled by NKG Infrastructure Limited, New Delhi.

On the request of NKG Infrastructure Limited, New Delhi. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 19.Nov.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:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Fine sand	
3.	14 - 16	2	Clay kankar	
4.	16 - 50	34	Fine to Medium sand	Good
5.	50 - 52	2	Kankar	
6.	52 - 65*	13	Medium sand	Good
7.	65 - 70	5	Clay kankar	
8.	70 - 76*	6	Medium sand	Good
9.	76 - 82	6	Clay kankar	
10.	82 - 93*	11	Medium sand	Good
11.	93 - 95	2	Kankar	
12.	95 - 98*	3	Medium sand	Good
13.	98 - 100	2	Clay kankar	
14.	100 - 112*	12	Medium sand	Good
15.	112 - 115	3	Clay kankar	
16.	115 - 120*	5	Medium sand	Good
17.	120 - 134	14	Clay kankar	
18.	134 - 140*	6	Fine to Medium sand	Good

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