



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Sitapur/284

Date : 01.12.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Katka, Block - Hargaon
Distt. – Sitapur

Drilling Depth : 165 mbgl – as reported by driller

Logged Depth : 160 mbgl

Date of Logging : 01.12.22

Types of Log : S.P. & Resistivity (Normal & Lateral)

Logger Used : IGIS

Presence : Representative of M/S NCC Sitapur

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.



Sl. No.	Depth Range (m, bgl)	Thickness (m)	Quality & Types of strata	R_{mf} & R_w
1	30 – 35	5	Good	$R_{mf} = 28.4 \Omega m$ $R_w = 30.1 \Omega m$
2	44 – 48	4	Good	
3	54 – 57	3	Good, <u>Finer sediments</u>	
4	64 – 69	5	Good, <u>Intermixed kankar bands</u>	
5	73 – 77	4	Good, <u>Intermixed kankar bands</u>	
6	85 – 93	8	Good, <u>Intermixed kankar bands</u>	
7	101 – 112	11	Good, <u>Intermixed kankar bands</u>	
8	125 – 128	3	Good, <u>Finer sediments</u>	
9	136 – 139	3	Good, <u>Intermixed kankar bands</u>	
10	147 – 150	3	Good, <u>Intermixed kankar bands</u>	

Remark : Almost all zones are intermixed with fine bands of kankar.

C C :

1. M/S NCC Sitapur

*Verified as per
logs provided
G.S.H.
02/12/22*



(A.K. Singh)
Geophysicist