



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/Sultanpur/3

Date: 29.09.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village - Katawa, Block - Dubeypur
Distt. - Sultanpur

Drilling Depth : 405 mbgl as reported by Driller

Logged Depth : 382 mbgl

Date of Logging : 29.09.22

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

Logger Used : Uptron

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 - 44	14	Good	$R_{mf} = 19.2 \Omega m$ $R_w = 21.5 \Omega m$
2	64 - 77	13	Good	
3	97 - 106	9	Good	
4	245 - 251	6	Good	
5	256 - 262	6	Good, Intermixed kankar	
6	268 - 275	7	Good	
7	288 - 294	6	Good	
8	310 - 315	5	Good Intermixed kankar	
9	345 - 348	3	Good	

Remark: The formation water quality is deteriorating from marginal to saline in between 123 to 236 mbgl. Below 248 mbgl to till depth logged, clay kankar exist. Almost all zones are intermixed with fine bands of kankar.

Verified as per logs provided.
Note: Sr No 4 and 5 may avoid.

UP JAL NIGMA (RURAL)

(A. K. Singh)
Geophysicist

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