



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Raebareli/202

Date : 14.12.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Kotiya Ahtmal, Block – Sareni
Distt. – Raebareli

Drilling Depth : 350 mbgl as reported by Driller

Logged Depth : 345 mbgl

Date of Logging : 14.12.23

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)	Types of strata	R_{mf} & R_w
1	20 – 38	18	Good	$R_{mf} = 11 \Omega m$ $R_w = 13.7 \Omega m$
2	55 – 63	8	Good to moderate	
3	173 – 190	17	Moderate	
4	200 – 206	6	Moderate	
5	225 – 233	8	Moderate	
6	295 – 303	8	Moderate	
7	310 – 318	8	Moderate	

Remark : Almost all zones are intermixed with fine bands of kankar. Formation water quality is deteriorating marginal to saline below 70 mbgl to 160 mbgl and again 240 mbgl to 292 mbgl. Clay kankar exist between 160 mbgl to 170 mbgl, 291 – 295 mbgl. Expected TDS of all moderate zone is 1000 – 1400. Below 318 mbgl, clay kankar exist.

C C :

1. M/S NCC Ltd Raebareli.



(R.K. Singh)
Geophysicist

Lowered Assembly Plan-KOTIYA AHT MALI, BLOCK-SARENI JJM PHASE-II--(638/32)
Type of Rig Machine- D. C RIG MACHINE Size of Bore - 600 X 450mm,
Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

Static W/L-

District -

LPM-540

Raebareli

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Remarks (with reasons for delay in adjustment)	2	10

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Prepared & Proposed By

M/S NCC,
PROJECT (SWSM-Rachareli)

Checked By

TPIA
(CEINSYS)

Junior Engineer
(UPON)

Recommended By
Assistant Engineer
(UPJN)

Approved By

Executive Engineer
(UPJN)