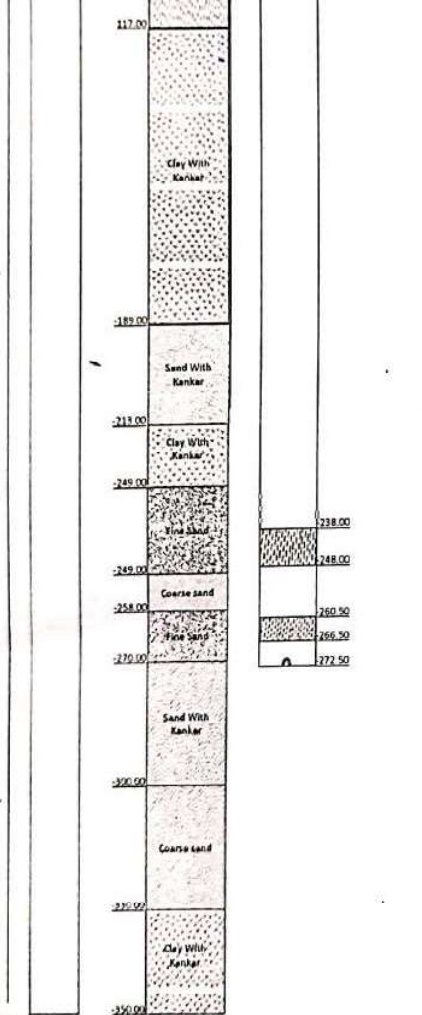


OFFICE OF THE EXECUTIVE ENGINEER DIVISIONAL OFFICE (E/M), U.P. JAL NIGAM, LUCKNOW

Lowered Assembly Plan-Chilaula Bhagriya, Block-SATAON, JIM PHASE-II (678/21)
Type of Rig Machine- D. C RIG MACHINE Size of Bore - 600 X 450mm,
Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

District - Raebareli
LPM-730
Static W/L-

DEPTH OF BORE IN M.B.G.L	DEPTH OF STRATA IN M.B.G.L	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY							
80.70	Surface Sand (Dry)		Ø 300 mm dia Housing	Plain pipe from (AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
84.00	Sand With Kankar		Ø 300 mm dia Housing	Plain pipe from (BGL)	0.00	MBGL to	40.00	MBGL	40.00	M.
22.00	Fine sand		Ø 300 mm dia Housing	Slotted from	40.00	MBGL to	45.00	MBGL	5.00	M.
46.00	Sand With Kankar		Ø 300 mm dia Housing	Plain pipe from	45.00	MBGL to	54.00	MBGL	9.00	M.
			Ø 300 X Ø 150 mm dia	Reducer from	54.00	MBGL to	54.20	MBGL	0.20	M.
			Ø 150 mm dia pipe	Plain pipe from	54.20	MBGL to	238.00	MBGL	183.80	M.
			Ø 150 mm dia pipe	Slotted from	238.00	MBGL to	248.00	MBGL	10.00	M.
			Ø 150 mm dia pipe	Plain pipe from	248.00	MBGL to	260.50	MBGL	12.50	M.
			Ø 150 mm dia pipe	Slotted from	260.50	MBGL to	266.50	MBGL	6.00	M.
			Ø 150 mm dia pipe	Plain pipe from	266.50	MBGL to	272.50	MBGL	6.00	M.
			Total Assembly (AGL + BGL) - 273.00 M.							



ABSTRACT	
1. Drilling Started on Dated -	04.03.2024
2. Drilling Completed on Dated --	12-03-2024
3. Drilling Depth --	60.00 M
450 mm Dia	290.00 M
Total-	350.00 M
4. Assembly lowered on Dated --	16-3-24
5. Assembly Lowered -	
(A) Housing pipe 300 mm dia (AGL) -	0.50 M
(B) Housing pipe (Plain) 300 mm dia (BGL) -	49.00 M
(C) Slotted pipe 300 mm dia -	5.00 M
(D) Reducer (300 mm X 150 dia) -	0.20 M
(E) Slotted pipe 150 mm dia -	16.00 M
(F) Plain pipe 150 mm dia -	202.30 M
Total assembly-	273.00 M
7. Yield Test Date of T/w -	N/A
8. Recommended Discharge -	N/A
9. Pea-Gravel -	49.55 Cum

LOGGING REPORT (Ground water Investigation centre) Ref: GIC/JIM/Raebareli/320 Dated-12.03.2024
Depth Logged-350m bgl Date of Logging-45363

Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	27-36	9	Good
2	40-45	5	Good
3	238-248	10	Good to moderate
4	260-268	8	Moderate
5	270-277	7	Moderate
6	280-286	6	Moderate
7	309-315	6	Moderate to marginal
8	326-340	14	Moderate to marginal

Remark: Almost all zones are intermixed with fine bands of kankar. Formation water quality is deteriorating marginal to saline below 48 mbgl to 232 mbgl. Good clay encountered in between 232 mbgl to 238 mbgl. Expected TDS of good to moderate zone is 700-800, moderate zones are 800-1100 and moderate to marginal zones are 1300-1400.

Manager (G.W.)

Prepared & Proposed By: M/S NCC, PROJECT (SWSM-Raebareli)

Checked By: TPIA (CEINSYS)

Recommended By: Assistant Engineer (UPJN)

Approved By: Executive Engineer (UPJN)



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

Mob: 9450659011, 8840756551, 9450364183

Email : si.amaresh11@gmail.com, gicaksingh@gmail.com

GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Raebareli/320

Date: 12.03.24

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Chilaula Bhagariya, Block – Sataon
District - Raebareli
Latitude – 26.18.0447⁰, Longitude – 81.140382⁰

Drilling Depth : 355 mbgl as reported by Driller

Logged Depth : 350 mbgl

Date of Logging : 12.03.24

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



Logger Used : Upron

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	27 – 36	9	Good	R _{mf} = 12 Ωm R _w = 14.7 Ωm
2	40 – 45	5	Good	
3	238 – 248	10	Good to moderate	
4	260 – 268	8	Moderate	
5	270 – 277	7	Moderate	
6	280 – 286	6	Moderate	
7	309 – 315	6	Moderate to marginal	
8	326 – 340	14	Moderate to marginal	

Remark: Almost all zones are intermixed with fine bands of kankar. Formation water quality is deteriorating marginal to saline below 48 mbgl to 232 mbgl. Good clay encountered in between 232 mbgl to 238 mbgl. Expected TDS of good to moderate zone is 700 – 800, moderate zones are 800 – 1100 and moderate to marginal zones are 1200 – 1400.

CC: NCC Ltd.



(A.K. Singh)
Geophysicist