

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

Drilled Assembly Plan-MAWAI, BLOCK-ROHANIYA UNDER JIM PHASE-II-(368/36)
 Type of Rig Machine- D. C. RIG MACHINE Size of Bore - 500 X 450mm, District - Raebareilly
 Contractor Name - M/S NCC SWSM PROJECT RAEBAREILY Static W/L - LPM-590

DEPTH OF BORE IN M.B.G.L.	DEPTH OF STRATA IN M.B.G.L.	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY							
0.00	Surface Sand Clay		Ø 200 mm dia Housing	Plain pipe from (AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
0.21	Sand with Kankar		Ø 200 mm dia Housing	Plain pipe from (BGL)	0.00	MBGL to	100.00	MBGL	100.00	M.
0.23	Clay with Kankar		Ø 200 mm dia pipe	Slotted pipe from	100.00	MBGL to	116.50	MBGL	15.00	M.
0.24	Clay with Kankar		Ø 200 mm dia pipe	Plain pipe from	116.50	MBGL to	118.20	MBGL	3.00	M.
0.25	Clay with Kankar		Ø 200 X Ø 150 mm dia	Reducer from	118.00	MBGL to	118.20	MBGL	0.20	M.
0.25	Clay with Kankar		Ø 150 mm dia Plain pipe	Plain pipe from	118.20	MBGL to	124.20	MBGL	6.00	M.
0.27	Sand with Kankar									
0.27	Sand with Kankar									
0.27	Sand with Kankar									
0.27	Sand with Kankar									
Total Assembly (AGL + BGL) - 124.70 M.										

ABSTRACT

1. Drilling Started on Dated -	28.02.2023
2. Drilling Completed on Dated -	04.03.2023
3. Drilling Depth - 500 mm Dia	130.00 M
450 mm Dia	162.00 M
Total-	292.00 M
4. Assembly lowered on Dated - 15-3-2023	
5. Assembly Lowered -	
(A) Housing pipe 200 mm dia (AGL) -	0.50 M
(B) Housing pipe (Plain) 200 mm dia (BGL) -	103.00 M
(C) Slotted pipe 200 mm dia -	15.00 M
(D) Reducer (200 mm X 150 mm dia) -	0.20 M
(E) Slotted pipe 150 mm dia -	0.00 M
(F) Plain pipe 150 mm dia -	6.00 M
Total assembly -	124.70 M
7. Yield Test Date of T/w - N/A	
8. Recommended Discharge - N/A	32-01

LOGGING REPORT (M/S Geo Instruments and Techniq's) REF:GIT-UP-22-23-LS-319 Dated-06-3-2023

Depth Logged-292.00 m bgl Date of Logging-02.03.2023

Sl.	Depth Range MbgL	Thickness m.	Remarks
1	17-23	6	Good
2	99-115	16	Good

NOTE 1) Fine bands of kankar are intermixed with almost all the zones.
 2) Quality of ground water is deteriorating marginal to saline in between 48 to 92 m & below 122.0 m bgl to till depth logged.
 3) Clay and kankar intercalation is present in depth range 98.0-99.0m bgl

Manager (G.W.)

Proposed & Proposed By
 M/S NCC SWSM PROJECT RAEBAREILY

IPNA
 (LE 16678)

Checked By
 Junior Engineer (UP/JN)

Recommended By
 Assistant Engineer (UP/JN)

Approved By
 Executive Engineer (UP/JN)

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Uptron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP:22-23:LS: 319

Dated: 06-03-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Mawai**
Block: **Rohaniya**
District: **Raebareli**
State: **Uttar Pradesh**
Drilling depth: **292.0 m bgl**
Logging depth: **292.0 m bgl**
Date of logging: **05-03-2023**
Rm - **21.0 Ω m** Rw - **25.0 Ω m**

Borewell Drilled By: M/s NCC Limited, Raebareli, Uttar Pradesh.

Based on the interpretation of **Self Potential (SP)**, **Short Normal (N-16")**, **Long Normal (N-64")** and **Lateral 6'** Geophysical Logs, following informations/granular zones have been deciphered with respect to **Salinity** only:

Sl. No.	Depth Range (m bgl)	Thickness (meters)	Remarks (Quality of aquifer water)
1.	17 - 23	06	Good
2.	99 - 115	16	Good

Note: 1. Fine bands of kankar are intermixed with almost all the Zones.

2. Quality of ground water is deteriorating Marginal to Saline in between 48.0 to 93.0 & below 122.0 m bgl to till depth logged.

3. Clay and Kankar intercalation is present in depth range 93.0 - 99.0 m bgl.

Verified as per logs provided
G.Sh

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)