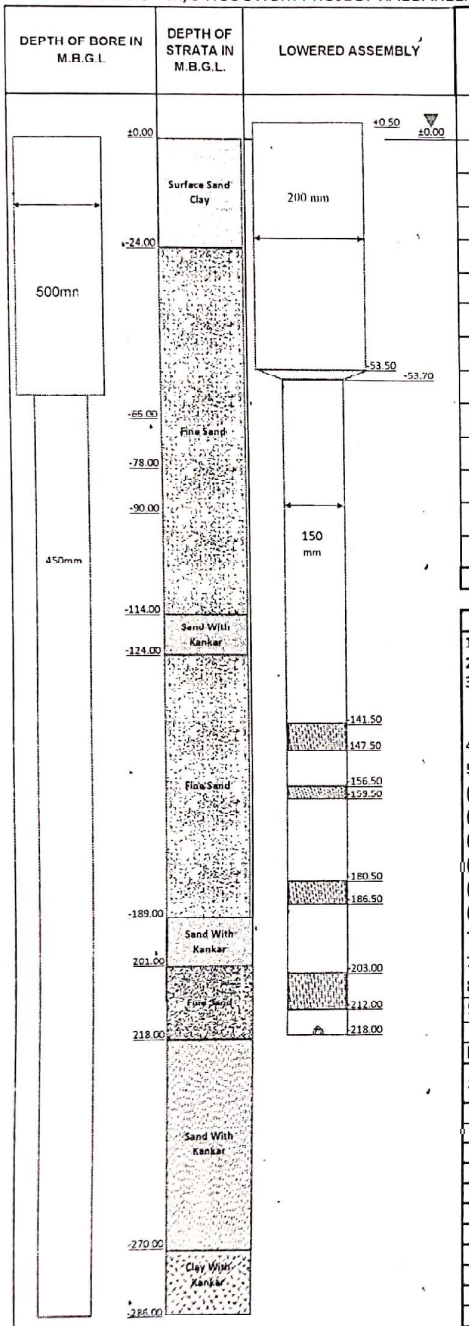
OFFICE OF THE EXECUTIVE ENGINEER
DIVISIONAL OFFICE (E/M), U.P. JAL NIGAM, LUCKNOW

Lowered Assambly Plan-NIGOHA, BLOCK-UNCHAHAR JJM PHASE-II--(638/45) District - Raebareli
Type of Rig Machine- D. C RIG MACHINE Size of Bore - 500 X 450mm, Static W/L- LPM-520
Contractor Name – M/S NCC SWSM PROJECT RAEBARELI



DETAILS OF ASSEMBLY

Ø 200 mm dia Housing	Plain pipe from(AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
Ø 200 mm dia Housing	Plain pipe from(BGL)	0.00	MBGL to	53.50	MBGL	53.50	M.
Ø 200 X Ø 150 mm dia	Reducer from	53.50	MBGL to	53.70	MBGL	0.20	M.
Ø 150 mm dia Plain pipe	Plain pipe from	53.70	MBGL to	141.50	MBGL	87.80	M.
Ø 150 mm dia Plain pipe	Slotted pipe	141.50	MBGL to	147.50	MBGL	6.00	M.
Ø 150 mm dia Plain pipe	Plain pipe from	147.50	MBGL to	156.50	MBGL	9.00	M.
Ø 150 mm dia Plain pipe	Slotted pipe	156.50	MBGL to	159.50	MBGL	3.00	M.
Ø 150 mm dia Plain pipe	Plain pipe from	159.50	MBGL to	180.50	MBGL	21.00	M.
Ø 150 mm dia Plain pipe	Slotted pipe	180.50	MBGL to	186.50	MBGL	6.00	M.
Ø 150 mm dia Plain pipe	Plain pipe from	186.50	MBGL to	203.00	MBGL	16.50	M.
Ø 150 mm dia Plain pipe	Slotted pipe	203.00	MBGL to	212.00	MBGL	9.00	M.
Ø 150 mm dia Plain pipe	Plain pipe from	212.00	MBGL to	218.00	MBGL	6.00	M.
				Total Assembly (AGL + BGL) -		218.50	M.

ABSTRACT

1. Drilling Started on Dated – 25.01-2024
2. Drilling Completed on Dated – 03.02.2024
3. Drilling Depth – 500 mm Dia 60.00 M
   450 mm Dia ~~286.00 M~~ 265.00M As Per DPR.
   Total- ~~286.00 M~~
4. Assembly lowered on Dated -- 13-2-2024
5. Assembly Lowered -
(A)Housing pipe 200 mm dia(AGL) - 0.50 M
(B)Housing pipe(Plain)200 mm dia(BGL) - 53.50 M
(C) Slotted pipe 200 mm dia - 0.00 M
(D) Reducer (200 mmX 150 dia) - 0.20 M
(E) Slotted pipe 150 mm dia - 24.00 M
(F) Plain pipe 150 mm dia - 140.30 M
Total assembly- 218.50 M
7. Yield Test Date of T/w - N/A
8. Recommended Discharge - N/A
9. Pea-Gravel - 38.23 Cum

LOGGING REPORT (Geo Instrumnets & Technics) Ref:GIT:UP:23-24:LS:858 Dated 05-02-2024

Depth Logged-286m bgl Date of Logging-05-02-2024

Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	24-28	4	Good
2	41-48	7	Good
3	58-62	4	Good
4	93-100	7	Good
5	107-114	7	Good
6	124-128	4	Good
7	141-148	7	Good
8	156-160	4	Good
9	180-187	7	Good
10	203-212	9	Good

NOTE 1) Formation water quality is deteriorating marginal to saline below 80 mbgl to 185 mbgl. Good clay encountered in between 185 mbgl to 193 mbgl. Expected TDS of good to moderate zones are 700-900

Manager (G.W.)

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

Checked By
TPIA (CEINSYS)

Junior Engineer (UPJN)

Recommended By
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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:23-24:LS: 858
Dated: 05-02-2024

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Nigoha**
Block: **Unchahar**
District: **Raebareli**
State: **Uttar Pradesh**
Date of Logging: **04-02-2024**
Drilling Depth: **310.0 m bgl**
Logging Depth: **286.0 m bgl**
Rm – **20.0 Ωm** Rw – **16.0 Ωm**

Latitude: **25.881434** Longitude: **81.349103**

Borehole 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 (meter)	Remark (Quality of Aquifer Water)
1.	24 – 28	04	Good
2.	41 – 48	07	Good
3.	58 – 62	04	Good
4.	93 – 100	07	Good
5.	107 – 114	07	Good
6.	124 – 128	04	Good
7.	141 – 148	07	Good
8.	156 – 160	04	Good
9.	180 – 187	07	Good
10.	203 – 212	09	Good

Note: **1. Fine bands of kankar are intermixed with almost all the zones.**
2. Quality of ground water is deteriorating marginal to saline below 230.0 m bgl to till depth logged.
3. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's

(S. Shukla)