

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

Lowered Assambly Plan- Chandpur Luk, BLOCK- Deen Shah Gaura JJM PHASE-II--(573/25)
Type of Rig Machine- D. C. RIG MACHINE

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Size of Bore - 500 X 450mm,

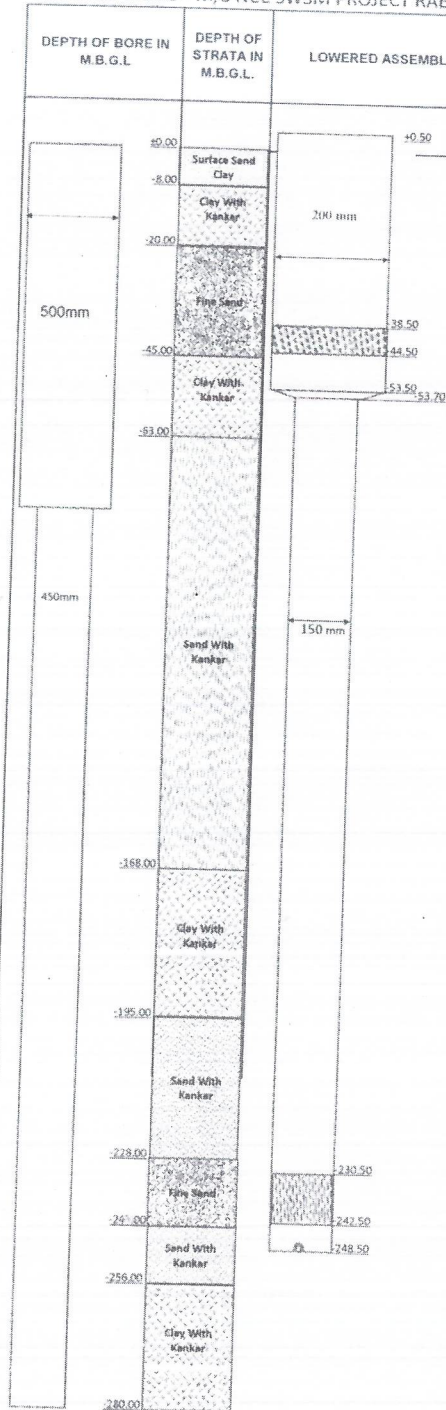
Static W/L:

District -

Raebareli

LPM-400

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	38.50	MBGL	38.50	M.
Ø 200 mm dia Housing	Slotted pipe	38.50	MBGL to	44.50	MBGL	6.00	M.
Ø 200 mm dia Housing	Plain pipe from	44.50	MBGL to	53.50	MBGL	9.00	M.
Ø 200 X Ø 150 mm dia	Reducer from	53.50	MBGL to	53.70	MBGL	0.20	M.
Ø 150 mm dia pipe	Plain pipe from	53.70	MBGL to	230.50	MBGL	176.80	M.
Ø 150 mm dia pipe	Slotted pipe	230.50	MBGL to	242.50	MBGL	12.00	M.
Ø 150 mm dia pipe	Plain pipe from	242.50	MBGL to	248.50	MBGL	6.00	M.
Total Assembly (AGL + BGL) -							249.00 M.

ABSTRACT

- | | |
|---|----------|
| 1. Drilling Started on Dated - | 11.02.24 |
| 2. Drilling Completed on Dated -- | 18.02.24 |
| 3. Drilling Depth - 500 mm Dia | 60.00 M |
| 450 mm Dia | 220.00 M |
| Total- | 280.00 M |
| 4. Assembly lowered on Dated -- 24-2-2024 | |
| 5. Assembly Lowered - | |
| (A) Housing pipe 200 mm dia (AGL) - | 0.50 M |
| (B) Housing pipe (Plain) 200 mm dia (BGL) - | 47.50 M |
| (C) Slotted pipe 200 mm dia - | 6.00 M |
| (D) Reducer (200 mm X 150 dia) - | 0.20 M |
| (E) Slotted pipe 150 mm dia - | 12.00 M |
| (F) Plain pipe 150 mm dia - | 182.80 M |
| Total assembly- | 249.00 M |

7. Yield Test Date of T/w - N/A

8. Recommended Discharge - N/A

9. Pea-Garvel - 45.34 Cum

LOGGING REPORT (Ground water investigation centre)

Ref:GIC/JJM/Raebareli/277 Dated 19.02.24

Depth Logged-280m bgl

Date of Logging- 19.02.24

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NOTE 1) Formation water quality is deteriorating marginal to saline below 53 mbgl to 177 mbgl. Good clay encountered in between 177 mbgl to 185 mbgl. Expected TDS of good to moderate zones are 600-800 & moderate zone are 800-1000. Below 251 mbgl, clay kankar exist.

Manager (G.W.)

Prepared & Proposed By

M/S NCC,
PROJECT (SWSM-Raebareli)

Checked By

TPIA
(CEINSYS)

Junior Engineer
(UPJN)

Recommended By

Assistant Engineer
(UPJN)

Approved By

Executive Engineer
(UPJN)



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Raebareli/277

Date: 19.02.24

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Chandpur Block – Deen Shah Gaura
District - Raebareli
Latitude – 26.033399⁰, **Longitude** – 81.061867⁰

Drilling Depth : 285 mbgl as reported by Driller

Logged Depth : 280 mbgl

Date of Logging : 19.02.24

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 – 25	5	Good	R _{mf} = 13.1 Ωm R _w = 15.6 Ωm
2	40 – 45	5	Good	
3	190 – 210	20	Moderate	
4	230 – 243	13	Good to moderate	
5	245 -251	6	Good to moderate	

Remark : Formation water quality is deteriorating marginal to saline below 53 mbgl to 177 mbgl. Good clay encountered in between 177 mbgl to 185 mbgl. Expected TDS of good to moderate zones are 600 – 800 & moderate zones are 800 - 1000. Below 251 mbgl, clay kankar exist.

C C : : NCC Raebareli



(A.K. Singh)
Geophysicist