

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

of Rig Machine- D. C RIG MACHINE

Size of Bore - 600 x 450mm, Static W/L-

District - Raebareli
LPM-500

[illegible]

ABSTRACT

- | | | |
|---|------------------------------|--|
| 1. Drilling Started on Dated - | 06-03-2024 | |
| 2. Drilling Completed on Dated - | 09-03-2024 | |
| 3. Drilling Depth - 600 mm Dia | 94.00 M | |
| 500 mm Dia | 254.00 M | |
| Total- | 348.00 M | |
| 4. Assembly lowered on Dated -- 11-03-2024 | | |
| 5. Assembly Lowered - | | |
| (A) Housing pipe 300 mm dia (AGL) - | 0.50 M | |
| (B) Housing pipe (Plain) 300 mm dia (BGL) - | 72.00 M | |
| (C) Slotted pipe 300 mm dia - | 12.00 M | |
| (D) Reducer (300 mm X 150 dia) - | 0.20 M | |
| (E) Slotted pipe 150 mm dia - | 0.00 M | |
| (F) Plain pipe 150 mm dia - | 6.00 M | |
| Total assembly- | 90.70 M | |
| 7. Yield Test Date of T/w - N/A | | |
| 8. Recommended Discharge - N/A | | |
| 9. Pea-Gravel - 37.20 CUM | | |
| 10. MS Ring 300mm- 14 NOS | 11. MS Ring 200mm- NOS. | 12. MS Ring 150mm- NOS |
| 13. MS Bail Plug 300mm- NOS | 14. MS Bail Plug 200mm- NOS. | 15. MS Bail Plug 150mm- 1 NOS |
| 16. Reducer 300mmX150mm- 1 NOS | | 17. Reducer 200X150mm- 1 NOS. |
| 18. MSSl Clamp 300mm- 1 NOS | 19. MSSl Clamp 200mm- NOS | 20. TW Assembly Support- 300mm - 1 NOS |
| 21. MS Well Cap-300mm- 1 NOS | 22. MS Well Cap-200mm- NOS | |
| 23. Center Guide-300mm- 8 NOS | 24. Center Guide-200mm- NOS | 25. Center Guide-150mm- NOS |

LOGGING REPORT (Ground Water Investigation Center) REF: A-GIC/JJM/Raebarelli/307, Dated:- 07.03.2024

Depth Logged-348m bgl			Date of Logging-07-03-2024
Sl.	Depth Range MbgI	Thickness m.	Types of strata
1	27-40	13	Good
2	65-71	6	Good
3	75-81	6	Good
4	247-255	8	Moderate to marginal
5	280-290	10	Moderate to marginal
6	298-310	12	Moderate to marginal
7	330-342	12	Moderate to marginal

Note:- 1. Formation water quality is deteriorating marginal to saline below 55 mbgl to 235 mbgl. Good Clay encountered in between 235.0 to 243.0 mbgl. Expected TDS of moderate to marginal zones are 1200 - 1400.

Manager (G.W.)

Prepared & Proposed By

M/S HUGEL INFRA PVT. LTD ,
PROJECT (RO WSS-Raebareilly)

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/ Raebarell/307

Date: 07.03.24

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Kharagpur Sautan, Block – Dalmau
District - Raebarell
Latitude – 26.173987°, Longitude – 81.036912°

Drilling Depth : 355 mbgl as reported by Driller

Logged Depth : 348 mbgl

Date of Logging : 07.03.24

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	27 – 40	13	Good	R _{mf} = 10.2 Ωm R _w = 13.7 Ωm
2	65 – 71	6	Good	
3	75 – 81	6	Good	
4	247 – 255	8	Moderate to marginal	
5	280 – 290	10	Moderate to marginal	
6	298 – 310	12	Moderate to marginal	
7	330 – 342	12	Moderate to marginal	

Remark: Formation water quality is deteriorating marginal to saline below 55 mbgl to 235 mbgl. Good clay encountered in between 235 mbgl to 243 mbgl. Expected TDS of moderate to marginal zones are 1200 – 1400..

C C : Hugel Infra Private Limited



(A.K. Singh)
Geophysicist

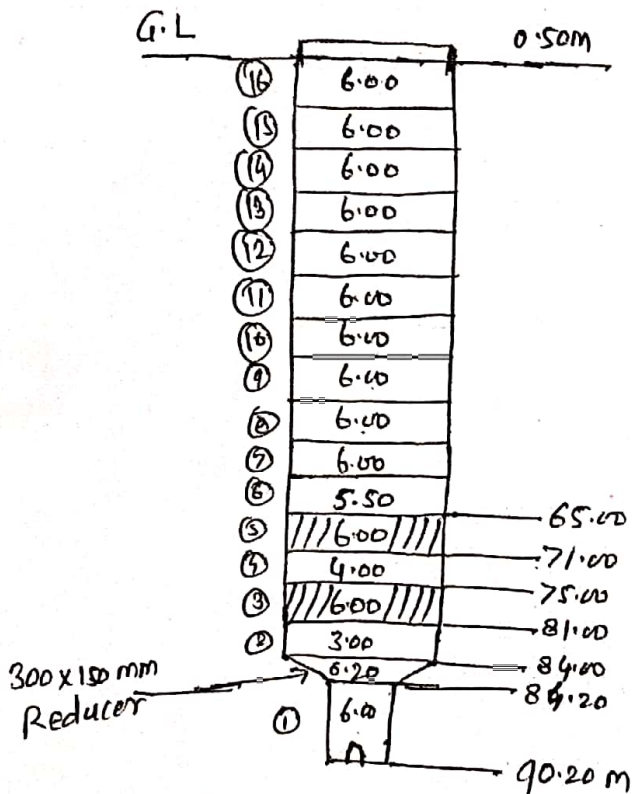


hamo 8 - Kharagpur x Sautana

LPM = 500

Assembly size = 300x150 mm

Lowered Assembly = 90.20 M



Logging Report	
1) 27-40 = 13	→
2) 65-71 = 6	→ <u>Good</u>
3) 75-81 = 6	→
4) 247-255 = 8	→ Moderate
5) 280-290 = 10	→ to
6) 298-310 = 12	→ marginal
7) 330-342 = 12	→