

OFFICE OF THE EXECUTIVE ENGINEER

DIVISIONAL OFFICE (E/M), U.P. JAL NIGAM, LUCKNOW

Lowered Assembly Plan-Narayanpurr TW, Block-Deeh JIM-PKG-9 -(Asharasheedpur-RO WSS)
 Name of Rig Machine- D. C RIG MACHINE , Size of Bore - 500 x 450mm, Static W/L-
 Contractor Name - M/S HUGEL INFRA PVT. LTD (GOURAV KR. GUPTA) RO WSS PROJECT RAEBARELI

District - Raebareli
 LPM- 330

DEPTH OF BORE IN M.B.G.L	DEPTH OF STRATA IN M.B.G.L	LOWERED ASSEMBLY	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	62.00	MBGL	62.00	M.
			Ø 200 X Ø 150 mm dia	Reducer from	62.00	MBGL to	68.00	MBGL	6.00	M.
			Ø 150 mm dia Housing	Plain pipe from	68.00	MBGL to	80.00	MBGL	12.00	M.
			Ø 150 mm dia Housing	Slotted pipe from	80.00	MBGL to	86.00	MBGL	6.00	M.
			Ø 150 mm dia Housing	Plain pipe from	86.00	MBGL to	90.00	MBGL	4.00	M.
			Ø 200 X Ø 150 mm dia	Reducer from	90.00	MBGL to	90.20	MBGL	0.20	M.
			Ø 150 mm dia Housing	Plain pipe from	90.20	MBGL to	96.20	MBGL	6.00	M.
Total Assembly (AGL + BGL) -									96.70	M.

ABSTRACT	
1. Drilling Started on Dated -	06-04-2024
2. Drilling Completed on Dated -	15-04-2024
3. Drilling Depth - 500 mm Dia	99.00 M
450 mm Dia	236.00 M
Total-	335.00 M
4. Assembly lowered on Dated - 16-04-2024	
5. Assembly Lowered -	
(A) Housing pipe 200 mm dia (AGL) -	0.50 M
(B) Housing pipe (Plain) 200 mm dia (BGL) -	78.00 M
(C) Slotted pipe 200 mm dia -	12.00 M
(D) Reducer (200 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-	96.70 M
7. Yield Test Date of T/w - N/A	
8. Recommended Discharge - N/A	
9. Pea-Gravel - 30.52 CUM	
10. MS Ring 200mm- 15 NOS.	
11. MS Ring 150mm-00 NOS	
12. MS Ball Plug 150mm- 1 NOS	
13. Reducer 200x150mm- 1 NOS	
14. MSSl Clamp 200mm - 1 NOS	
15. TW Assembly Support- 200mm - 1 NOS	
16. MS Well Cap-200mm- 1 NOS	
17. Center Guide-150mm-00 NOS	

LOGGING REPORT (Ground Water Investigation Center) REF: A-GIC/JIM/Raebareli/340, Dated:- 10-04-2024			
Depth Logged-350 mbgl			Date of Logging-10-04-2024
Sr.	Depth Range Mbgl	Thickness (M)	Types of strata
1	32-37	5	Good
2	62-68	6	Good
3	80-86	6	Good
4	260-272	12	Good to moderate
5	284-292	8	Good to moderate
6	295-301	6	Good to moderate
7	303-307	5	Good to moderate
8	309-313	4	Good to moderate
9	330-333	3	Good to moderate

Notes:- 1. Almost all zones are intermixed with fine bands of kankar. Formation water quality is deteriorating marginal to saline below 92 mbgl to 254 mbgl. Good clay encountered in between 254 mbgl to 260 mbgl. Expected TDS of Good to moderate zones are 700-800.

Manager (G.W.)

Prepared & Proposed By

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

Checked By

TPIA
 (CEINSYS)

Recommended By

Assistant Engineer
 (UPJN)

Approved By

Executive Engineer
 (UPJN)

Junior Engineer
 (UPJN)



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Raebareli/345

Date: 10.04.24

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Narayanpur, Block – Deeh
District - Raebareli
Latitude – 26.135110⁰, **Longitude** – 81.471380⁰

Drilling Depth : 350 mbgl as reported by Driller

Logged Depth : 335 mbgl

Date of Logging : 10.04.24

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



Logger Used : Upton

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	32 – 37	5	Good	R _{mf} = 14.4 Ωm R _w = 16.1 Ωm
2	62 – 68	6	Good	
3	80 – 86	6	Good	
4	260 – 272	12	Good to moderate	
5	284 – 292	8	Good to moderate	
6	295 – 301	6	Good to moderate	
7	303 – 307	5	Good to moderate	
8	309 – 313	4	Good to moderate	
9	330 – 333	3	Good to moderate	

Remark: Almost all zones are intermixed with fine bands of kankar. Formation water quality is deteriorating marginal to saline below 92 mbgl to 254 mbgl bgl. Good clay encountered in between 254 mbgl to 260 mbgl. Expected TDS of good to moderate zones are 700 – 800.

C C : M/s Hugel Infra Private Limited



(R.K. Singh)
Geophysicist

G.P. - NARAYANPUR
BLOCK - DEEH
LPM - 330

		+0.5 M	
17	200mm	6	
16		6	
15		6	
14		6	
13		6	
12		6	
11		6	
10		6	
9		6	
8		6	
7		2.5	62.00
6		6	68.00
5		6	
4		6	80.00
3		6	86.00
2		4	90.00
	200X150		
	0.12		
1		6	96.20

TOTAL DEPTH = 96.20 M

TOTAL SLOPE = 12.00 M