

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

Assembly Plan-Asharashidpur TW-1, Block-Deeh JJM-PKG-9 -(Asharashidpur-RO WSS)
 of Rig Machine- D. C RIG MACHINE Size of Bore - 500 x 450mm, Static W/L- District - Raebareli
 Contractor Name - M/S HUGEL INFRA PVT. LTD (GOURAV KR. GUPTA) RO WSS PROJECT RAEBARELI LPM- 540

DEPTH OF BORE IN M.B.G.L.	DEPTH OF STRATA IN M.B.G.L.	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY							
<div style="text-align: center;">500 mm</div> <div style="text-align: center;">200 mm</div> <div style="text-align: center;">150 mm</div> <div style="text-align: center;">450 mm</div>	+0.00	+0.00	Ø 200 mm dia Housing	Plain pipe from (AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
	-6.00	-6.00	Ø 200 mm dia Housing	Plain pipe from (BGL)	0.00	MBGL to	53.50	MBGL	53.50	M.
	-50.00	-53.50	Ø 200 X Ø 150 mm dia	Reducer from	53.50	MBGL to	53.70	MBGL	0.20	M.
	-53.50	-53.70	Ø 150 mm dia Housing	Plain pipe from	53.70	MBGL to	56.00	MBGL	2.30	M.
	-56.00	-56.00	Ø 150 mm dia Housing	Slotted pipe from	56.00	MBGL to	62.00	MBGL	6.00	M.
	-62.00	-62.00	Ø 150 mm dia Housing	Plain pipe from	62.00	MBGL to	75.00	MBGL	13.00	M.
	-62.00	-62.00	Ø 150 mm dia Housing	Slotted pipe from	75.00	MBGL to	80.00	MBGL	5.00	M.
	-75.00	-75.00	Ø 150 mm dia Housing	Plain pipe from	80.00	MBGL to	264.50	MBGL	184.50	M.
	-75.00	-75.00	Ø 150 mm dia Housing	Slotted pipe from	264.50	MBGL to	276.50	MBGL	12.00	M.
	-80.00	-80.00	Ø 150 mm dia Housing	Plain pipe from	276.50	MBGL to	282.50	MBGL	6.00	M.
			Total Assembly (AGL + BGL) - 283.00 M.							

ABSTRACT	
1. Drilling Started on Dated -	31-03-2024
2. Drilling Completed on Dated -	11-04-2024
3. Drilling Depth - 500 mm Dia	60.00 M
450 mm Dia	290.00 M
Total-	350.00 M
4. Assembly lowered on Dated - 12-04-2024	
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 mm X 150 dia) -	0.20 M
(E) Slotted pipe 150 mm dia -	23.00 M
(F) Plain pipe 150 mm dia -	205.80 M
Total assembly-	283.00 M
7. Yield Test Date of T/w -	N/A
8. Recommended Discharge -	N/A
9. Pea-Gravel -	49.22 CUM
10. MS Ring 200mm- 08 NOS.	
12. MS Bail Plug 150mm- 1 NOS	
14. MSSl Clamp 200mm - 1 NOS	
15. TW Assembly Support- 200mm - 1 NOS	
17. Center Guide-150mm-08 NOS	
11. MS Ring 150mm-38 NOS	
13. Reducer 200x150mm- 1 NOS	
16. MS Well Cap-200mm- 1 NOS	

LOGGING REPORT (Ground Water Investigation Center) REF: A-GIC/JJM/Raebareli/340, Dated:- 05-04-2024			
Depth Logged-350 mbgl			Date of Logging-05-04-2024
Sr.	Depth Range Mbgl	Thickness (M)	Types of strata
1	50-62	12	Good
2	75-80	5	Good
3	250-257	7	Good to moderate
4	264-277	13	Good to moderate
5	311-317	6	Good to moderate
6	320-330	10	Good to moderate

Note:- 1. Formation water quality is deteriorating marginal to saline below 85 mbgl to 240 mbgl. Good clay encountered in between 240 mbgl to 247 mbgl. Expected TDS of good to moderate zones are 600-800. Below 330 mbgl to 350 mbgl, clay kankar exist..

Manager (G.W.)

Prepared & Proposed by

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

TPIA
(CEINSYS)

Checked By

Junior Engineer
(UPJN)

Recommended By

Assistant Engineer
(UPJN)

Approved By

Executive Engineer
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GROUND WATER INVESTIGATION CENTRE

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Raebareli/340

Date: 05.04.24

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Asha Rashidpur, Block – Deeh
District - Raebareli
Latitude – 26.181959⁰, **Longitude** – 81.539611⁰

Drilling Depth : 355 mbgl as reported by Driller

Logged Depth : 350 mbgl

Date of Logging : 05.04.24

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	50 – 62	12	Good	R _{mf} = 14 Ωm R _w = 16.2 Ωm
2	75 – 80	5	Good	
3	250 – 257	7	Good to moderate	
4	264 – 277	13	Good to moderate	
5	311 – 317	6	Good to moderate	
6	320 – 330	10	Good to moderate	

Remark: Formation water quality is deteriorating marginal to saline below 85 mbgl to 240 mbgl. Good clay encountered in between 240 mbgl to 247 mbgl. Expected TDS of good to moderate zones are 600 – 800. Below 330 mbgl to 350 mbgl, clay kankar exist.

C C : Hugel Infra Private Limited



(A.K. Singh)
Geophysicist

$$\text{Discharge} = 540 \text{ LPM}$$

Flw Assembly size = $200 \times 150 \text{ mm}$

