

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

Drilled Assembly Plan-Kukha, Block-Chhatoh JJM-PKG-9 -(Kunwarmau -RO WSS)
Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 500 x 450mm,

Static W/L

District - Raebarell

LPM-390

Contractor Name - M/S HUGEL INFRA PVT. LTD (GOURAV KR. GUPTA) RO WSS PROJECT RAEBARELL

DEPTH OF BORE IN M.B.G.L.	DEPTH OF STRATA IN M.B.G.L.	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY								
500 mm	+0.00	200 mm	+0.50	Ø 200 mm dia Housing	Plain pipe from(AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
	-5.00		+0.00	Ø 200 mm dia Housing	Plain pipe from(BGL)	0.00	MBGL to	45.00	MBGL	45.00	M.
	-10.00		-5.00	Ø 200 mm dia Housing	Slotted pipe from	45.00	MBGL to	53.00	MBGL	8.00	M.
	-15.00		-10.00	Ø 200 mm dia Housing	Plain pipe from	53.00	MBGL to	57.00	MBGL	4.00	M.
	-20.00		-15.00	Ø 200 X Ø 150 mm dia	Reducer from	57.00	MBGL to	57.20	MBGL	0.20	M.
	-25.00		-20.00	Ø 150 mm dia Housing	Plain pipe from	57.20	MBGL to	275.00	MBGL	217.80	M.
	-30.00		-25.00	Ø 150 mm dia Housing	Slotted pipe from	275.00	MBGL to	290.00	MBGL	15.00	M.
	-35.00		-30.00	Ø 150 mm dia Housing	Plain pipe from	290.00	MBGL to	296.00	MBGL	6.00	M.
	-40.00		-35.00								
	-45.00		-40.00								
-50.00	-45.00										
-55.00	-50.00										
-60.00	-55.00										
-65.00	-60.00										
-70.00	-65.00										
-75.00	-70.00										
-80.00	-75.00										
-85.00	-80.00										
-90.00	-85.00										
-95.00	-90.00										
-100.00	-95.00										
-105.00	-100.00										
-110.00	-105.00										
-115.00	-110.00										
-120.00	-115.00										
-125.00	-120.00										
-130.00	-125.00										
-135.00	-130.00										
-140.00	-135.00										
-145.00	-140.00										
-150.00	-145.00										
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-170.00	-165.00										
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-180.00	-175.00										
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-210.00	-205.00										
-215.00	-210.00										
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-225.00	-220.00										
-230.00	-225.00										
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-245.00	-240.00										
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-670.00	-665.00										
-675.00	-670.00										



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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

Mob: 9450659011, 8840756551, 9450364183

Email: slamaresh11@gmail.com, gicaksingh@gmail.com

GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Raebareli/306

Date: 06.03.24

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Kukha, Block – Chhatoth
District - Raebareli
Latitude – 26.177037⁰, **Longitude** – 81.493774⁰

Drilling Depth : 360 mbgl as reported by Driller

Logged Depth : 355 mbgl

Date of Logging : 06.03.24

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	25 – 42	17	Good	R _{mf} = 12.2 Ωm R _w = 14.7 Ωm
2	45 – 53	8	Good	
3	240 – 255	15	Good to moderate	
4	266 – 272	6	Good to moderate	
5	275 – 290	15	Good to moderate	
6	294 – 300	6	Good to moderate	
7	306 – 322	16	Good to moderate	
8	330 – 342	12	Moderate	
9	345 – 350	5	Moderate	

Remark: Formation water quality is deteriorating marginal to saline below 55 mbgl to 230 mbgl. Good clay encountered in between 230 mbgl to 236 mbgl. Expected TDS of moderate zones are 900 – 1100 & good to moderate zones are 700 – 800.

C C : Hugel Infra Private Limited



(A.K. Singh)
Geophysicist



WILLIAM L. BRYAN

2024 JANUARY • THURSDAY

25

T/W Base size = 200x100 mm
T/W Base size = 500x400 mm

10:50 AM

0.50 M

57.00

57.20

② 200 mm pl

② 200 mm pl

② 200 mm s

④ 150 mm pl

④ 150 mm s

④ 200x150 mm

Total Asses

Lowmed

27500

29000

FEBRU

- Total Assembly (AGL + BAL) 296.50 m
Lowered Assembly in BGL = 296.00