

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

Lowered Assembly Plan-Baikhara, Block-Amawan JJM PHASE-II-(889/07)

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 500 X 450mm,

Static W/L-

District -

Raebareli

Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

LPM-510

DEPTH OF BORE IN M.B.G.L.	DEPTH OF STRATA IN M.B.G.L.	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY							
500mm	Surface Sand Clay	200 mm	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	41.50	MBGL	41.50	M.
			Ø 200 mm dia Housing	Slotted pipe	41.50	MBGL to	47.50	MBGL	6.00	M.
			Ø 200 mm dia Housing	Plain pipe from	47.50	MBGL to	53.50	MBGL	6.00	M.
			Ø 200 X Ø 150 mm dia	Reducer from	53.50	MBGL to	53.70	MBGL	0.20	M.
			Ø 150 mm dia Plain pipe	Plain pipe from	53.70	MBGL to	253.50	MBGL	199.80	M.
			Ø 150 mm dia Plain pipe	Slotted pipe	253.50	MBGL to	268.50	MBGL	15.00	M.
			Ø 150 mm dia Plain pipe	Plain pipe from	268.50	MBGL to	274.50	MBGL	6.00	M.
<b>Total Assembly (AGL + BGL) - 275.00 M.</b>										
<b>ABSTRACT</b>										
1. Drilling Started on Dated -					18.02.24					
2. Drilling Completed on Dated -					25.02.24					
3. Drilling Depth - 500 mm Dia					60.00 M					
450 mm Dia					230.00 M					
Total-					290.00 M					
4. Assembly lowered on Dated - 02-03-2024										
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 -					15.00 M					
(F) Plain pipe 150 mm dia -					205.80 M					
Total assembly-					275.00 M					
7. Yield Test Date of T/w - N/A										
8. Recommended Discharge - N/A										
9. Pea -Gravel- 45.47 Cum										
LOGGING REPORT (Ground water investigation centre )					Ref:GIC/JJM/Raebareli/294 Dated 26.02.24					
Depth Logged-290m bgl					Date of Logging-26.02.24					
Sl.	Depth Range Mbgl	Thickness m.	Remarks							
1	27-37	10	Good							
2	40-48	8	Good							
3	202-215	13	Good to Moderate							
4	253-269	16	Good							
Remarks: Expected TDS of good to moderate zones are 600-800. Formation water quality is deteriorating marginal to saline below 53 mbgl to 198 mbgl. Good clay encountered in between 198 mbgl to 202 mbgl.										

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/295

Date: 26.02.24

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Baikhra, Block – ~~Deoh~~ *Amowan*  
District - Raebareli  
Latitude – 26.327995<sup>0</sup> , Longitude – 81.329927<sup>0</sup>

Drilling Depth : 275 mbgl as reported by Driller

Logged Depth : 273 mbgl

Date of Logging : 26.02.24

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



Logger Used : Upron

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strara	R <sub>mf</sub> & R <sub>w</sub>
1	27 – 37	10	Good	R <sub>mf</sub> = 18 Ωm R <sub>w</sub> = 19.3 Ωm
2	40 – 48	8	Good	
3	202 – 215	13	Good to moderate	
4	253 – 269	16	Good	

Remark: Expected TDS of good to moderate zones are 600 – 800. Formation water quality is deteriorating marginal to saline below 53 mbgl to 198 mbgl. Good clay encountered in between 198 mbgl to 202 mbgl.

C C : NCC Limited

  
  
(A.K. Singh)  
Geophysicist