

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

Lowered Assembly Plan-KORALI DHABA, BLOCK-DALMAU UNDER JJM PHASE-II--(368/ 14)

District -

Raebareli

Type of Rig Machine- D. C RIG MACHINE

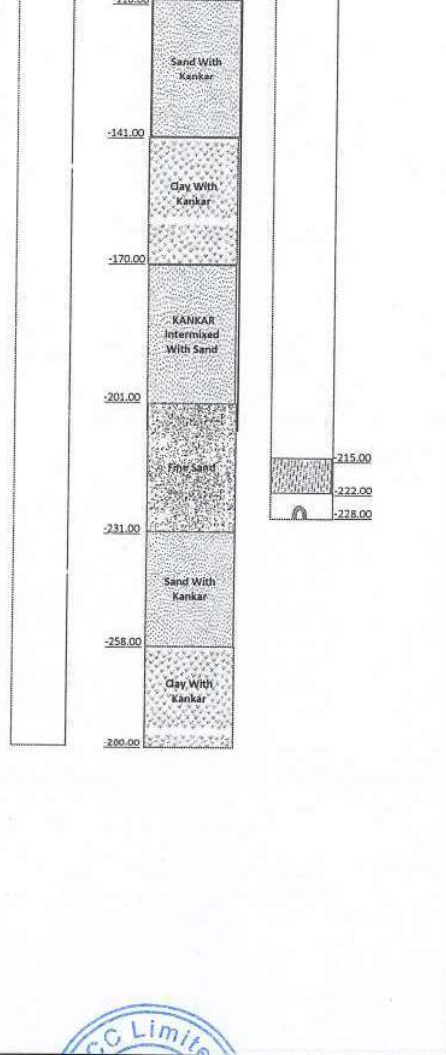
Size of Bore - 500 X 450mm,

Static W/L-

LPM-540

Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

DEPTH OF BORE IN M.B.G.L	DEPTH OF STRATA IN M.B.G.L	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY									
500mm	+0.00		+0.50	-0.50	Ø 200 mm dia Housing	Plain pipe from (AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
	-8.20		-8.20	Ø 200 mm dia Housing	Plain pipe from (BGL)	0.00	MBGL to	53.50	MBGL	53.50	M.	
	-34.00		-34.00	Ø 300 X Ø 150 mm dia	Reducer from	53.50	MBGL to	53.70	MBGL	0.20	M.	
	-54.00		-54.00	Ø 150 mm dia Housing	Plain pipe from	53.70	MBGL to	62.50	MBGL	8.80	M.	
	-54.00		-54.00	Ø 150 mm dia Housing	Slotted pipe from	62.50	MBGL to	74.50	MBGL	12.00	M.	
	-54.00		-54.00	Ø 150 mm dia Housing	Plain pipe from	74.50	MBGL to	77.00	MBGL	2.50	M.	
	-54.00		-54.00	Ø 150 mm dia Housing	Slotted pipe from	77.00	MBGL to	82.00	MBGL	5.00	M.	
	-54.00		-54.00	Ø 150 mm dia Plain pipe	Plain pipe from	82.00	MBGL to	215.00	MBGL	133.00	M.	
	-54.00		-54.00	Ø 150 mm dia Housing	Slotted pipe from	215.00	MBGL to	222.00	MBGL	7.00	M.	
	-54.00		-54.00	Ø 150 mm dia Housing	Plain pipe from	222.00	MBGL to	228.00	MBGL	6.00	M.	
<b>Total Assembly (AGL + BGL) -</b>											<b>228.50</b>	<b>M.</b>



ABSTRACT	
1. Drilling Started on Dated -	26.09.2023
2. Drilling Completed on Dated --	30.09.2023
3. Drilling Depth --	500 mm Dia 60.00 M
	450 mm Dia 220.00 M
	Total- 280.00 M
4. Assembly lowered on Dated --	08-10-2023
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 -	24.00 M
(F) Plain pipe 150 mm dia -	150.30 M
Total assembly-	228.50 M
7. Yield Test Date of T/w -	N/A
8. Recommended Discharge -	N/A
9. Pea-Gravel -	43.40 Cum

LOGGING REPORT (M/S Ground Water investigation Centre) REF: gic/jjm/raebareli/144 Date 01.10.2023  
Depth Logged-280 m bgl Date of Logging-01.10.2023

Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	20-32	12	Good
2	45-48	3	Good
3	62-75	13	Good
4	77-82	5	Good
5	210-224	14	Moderate
6	245-251	6	Moderate

NOTE 1] Formation water quality is deteriorating marginal to saline below 85 mbgl to 197 mbgl Good Clay encountered from 197 mbgl to 203 mbgl. Expected TDS is 700-900

Manager (G.W.)

Prepared & Proposed By  
  
M/S NCC,  
PROJECT (SWSM-Raebareli)

Checked By  
  
TPIA  
(CEINSYS)

Recommended By  
  
Junior Engineer  
(UPJN)

Approved By  
  
Assistant Engineer  
(UPJN)

Executive 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/144

Date : 01.10.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Karauli Dama, Block – Dalmau  
Distt. – Raebareli

**Drilling Depth** : 285 mbgl as reported by Driller

**Logged Depth** : 280 mbgl

**Date of Logging** : 01.10.23

**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	20 – 32	12	Good	$R_{mf} = 13.6 \Omega m$ $R_w = 15.3 \Omega m$
2	45 – 48	3	Good	
3	62 – 75	13	Good	
4	77 – 82	5	Good	
5	210 – 224	14	Moderate	
6	245 – 251	6	Moderate	

**Remark** : Formation water quality is deteriorating marginal to saline below 85 mbgl to 197 mbgl. Good clay encountered from 197 mbgl to 203 mbgl. Expected TDS is 700 – 900.

**CC :**

1. M/S NCC Raebareli.

  
  
(A.K. Singh)  
Geophysicist