

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

Lowered Assembly Plan-Khajurgaon, Block-LALGANJ, JIM PHASE-II-(237/49)

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 600 X 450mm,

Static W/L-

District -

Raebareli

LPM-1200

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								
600mm	-10.00	300 mm	Ø 300 mm dia; Housing	Plain Pipe from (AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.	
			Ø 300 mm dia Housing	Plain Pipe from (BGL)	0.00	MBGL to	41.00	MBGL	41.00	M.	
	-20.00	300 mm	Ø 300 mm dia Housing	Slotted pipe	41.00	MBGL to	47.00	MBGL	6.00	M.	
			Ø 300 mm dia Housing	Plain Pipe from	47.00	MBGL to	53.00	MBGL	6.00	M.	
	-31.00	150 mm	Ø 300 X Ø 150 mm dia	Reducer from	53.00	MBGL to	53.20	MBGL	0.20	M.	
			Ø 150 mm dia Plain pipe	Plain Pipe from	53.20	MBGL to	206.00	MBGL	152.80	M.	
	450mm	-48.00	150 mm	Ø 150 mm dia Plain pipe	Slotted pipe	206.00	MBGL to	210.00	MBGL	4.00	M.
				Ø 150 mm dia Plain pipe	Plain Pipe from	210.00	MBGL to	224.00	MBGL	14.00	M.
		Ø 150 mm dia Plain pipe	Slotted pipe	224.00	MBGL to	228.00	MBGL	4.00	M.		
		Ø 150 mm dia Plain pipe	Plain Pipe from	228.00	MBGL to	234.50	MBGL	6.50	M.		
		Ø 150 mm dia Plain pipe	Slotted pipe	234.50	MBGL to	246.50	MBGL	12.00	M.		
		Ø 150 mm dia Plain pipe	Plain Pipe from	246.50	MBGL to	250.50	MBGL	4.00	M.		
		Ø 150 mm dia Plain pipe	Slotted pipe	250.50	MBGL to	256.50	MBGL	6.00	M.		
		Ø 150 mm dia Plain pipe	Plain Pipe from	256.50	MBGL to	262.50	MBGL	6.00	M.		
Total Assembly (AGL + BGL) - 263.00 M.											

ABSTRACT

- Drilling Started on Dated - 06.03.2024
- Drilling Completed on Dated - 16.03.2024
- Drilling Depth - 600 mm Dia
450 mm Dia
Total - 425.00 M
- Assembly lowered on Dated - 20-3-2024
- Assembly Lowered -
 - (A) Housing pipe 300 mm dia (AGL) - 0.50 M
 - (B) Housing pipe (Plain) 300 mm dia (BGL) - 47.00 M
 - (C) Slotted pipe 300 mm dia - 6.00 M
 - (D) Reducer (300 mm X 150 mm dia) - 0.20 M
 - (E) Slotted pipe 150 mm dia - 26.00 M
 - (F) Plain pipe 150 mm dia - 183.30 M

Total assembly - 263.00 M

7. Yield Test Date of T/w - N/A

8. Recommended Discharge - N/A

9. Pea-Gravel - 47.44 Cum

LOGGING REPORT (Aqua Xplora) Ref:316-K/AX-2024 Dated-16.03.2024

Depth Logged-424m bgl Date of Logging-16.03.2024

Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	22-26	4	Good
2	40-47	7	Good
3	184-188	4	Moderate
4	196-201	5	Moderate to Marginal
5	206-210	4	Moderate to Marginal
6	224-228	4	Moderate to Marginal
7	234-247	13	Moderate to Marginal
8	250-257	7	Moderate to Marginal
9	260-270	10	Moderate
10	320-330	10	Moderate

Note. All zone are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline between 60.0 mbgl to 178.0 mbgl & further below 332.0 mbgl till depth logged. Partial clay layer lies in between 178.0 to 180.0 mbgl. Expected TDS value of SL.NO-9 & 10 may be around 800-1000 ppm.

Manager (G.W.)

Prepared & Proposed By

Checked By

Recommended By

Approved By

M/S NCC,
PROJECT (SWSM-Raebareli)

TPIA
(CEINSYS)

Junior Engineer
(UPJN)

Assistant Engineer
(UPJN)

Executive Engineer
(UPJN)



Aqua Xplore

(Groundwater Assessment & Allied Services)

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Advisor - Dr. R. A. Yadav, ex-Manager (Groundwater), U. P. Jal Nigam

Ref. 316 -K / AX - 2024 Date 16.03.2024

Geophysical Borehole Logging Report

Name of the site : Khajoorgaon, Block - Lalganj

District : Raibareilly

Date : 16.03.2024

Depth logged : 424.0 mbgl,

Depth drilled : 430.0.0 mbgl - as reported

Logger used : Robertson make

Presence : Rep. of NCC Ltd., Raibareilly

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	22.0---26.0	4.0	Good (1,2)
2	40.0---47.0	7.0	
3	184.0---188.0	4.0	Good to moderate (3 to 8)
4	196.0---201.0	5.0	
5	206.0---210.0	4.0	
6	224.0---228.0	4.0	
7	234.0---247.0	13.0	
8	250.0---257.0	7.0	
9	260.0---270.0	10.0	Moderate(9,10)
10	320.0---330.0	10.0	

Note. All zone sare intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 60.0 to 178.0 mbgl & further below 332.0 mbgl till depth logged. Partial clay layer lies in between 178.0 to 180.0 mbgl. Expected TDS value of Sl. Nos. 9& 10 may be around 800-1000 ppm.

Dr. R. A. Yadav

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibareilly