

DIVISIONAL OFFICE (E/M), U.P. JAL NIGAM, LUCKNOW

Lowered Assembly Plan-Akohariya, BLOCK-Khiron UNDER JJM PHASE-II--(237 /21)
 Type of Rig Machine- D. C RIG MACHINE
 Contractor Name – M/S NCC SWSM PROJECT RAEBARELI

District - Raebareli
 LPM-700

DEPTH OF BORE IN M.B.G.L.	DEPTH OF STRATA IN M.B.G.L.	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY							
	+0.00	+0.50	Ø 300 mm dia Housing	Plain pipe from(AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
	-8.20	20.00	Ø 300 mm dia Housing	Plain pipe from (BGL)	0.00	MBGL to	65.00	MBGL	65.00	M.
	-34.00	65.00	Ø 300 mm dia Housing	Slotted pipe from	65.00	MBGL to	69.00	MBGL	4.00	M.
	-64.00	69.00	Ø 300 mm dia Housing	Plain pipe from	69.00	MBGL to	74.00	MBGL	5.00	M.
	-64.00	74.00	Ø 300 mm dia Housing	Slotted pipe from	74.00	MBGL to	84.00	MBGL	10.00	M.
	-84.00	84.00	Ø 300 mm dia Housing	Plain pipe from	84.00	MBGL to	87.00	MBGL	3.00	M.
	-87.00	87.00	Ø 300 X Ø 150 mm dia	Reducer from	87.00	MBGL to	87.20	MBGL	0.20	M.
	-93.70	93.70	Ø 150 mm dia Plain pipe	Plain pipe from	87.20	MBGL to	93.20	MBGL	6.00	M.
				Total Assembly (AGL + BGL) - 93.70 M.						

ABSTRACT

1. Drilling Started on Dated -- 1.08.2024

2. Drilling Completed on Dated -- 8.08.2024

3. Drilling Depth -- 600 mm Dia 95.00 M
 450 mm Dia 250.00 M
 Total- 345.00 M

4. Assembly lowered on Dated -- 15-08-2024

5. Assembly Lowered -

(A) Housing pipe 300 mm dia(AGL) - 0.50 M

(B) Housing pipe(Plain)300 mm dia(BGL) - 73.00 M

(C) Slotted pipe 300 mm dia - 14.00 M

(D) Reducer (300 mmX 150 dia) - 0.20 M

(E) Slotted pipe 150 mm dia - 0.00 M

(F) Plain pipe 150 mm dia - 6.00 M

Total assembly- 93.70 M

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

8. Recommended Discharge - N/A

9. Pea Gravel - 41.66 Cum

LOGGING REPORT (AQUA XPLORE) REF.808-A/AX-2024 Dated :8.8.2024

Depth Logged-345.00 m bgl Date of Logging-08.08.2024

Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	10-14	4	Good
2	24-34	10	Good
3	65-69	4	Good
4	74-84	10	Good
5	228-236	8	Moderate
6	250-257	7	Moderate to Marginal
7	268-280	12	Moderate
8	283-287	4	Moderate
9	306-313	7	Good
10	316-326	10	Moderate to Marginal
11	333-337	4	Moderate to Marginal

Note: All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 88.0 to 214.0 mbgl. Partial clay layer lies in between 221.0 to 225.0 mbgl. Expected TDS value of Sl. Nos. 5,7 & 8 may be around 700-900 ppm & Sl. Nos. 6,10 & 11 may be around 1100-1300 ppm.

Manager (G.W.)

Prepared & Proposed By

 M/S NCC,
 PROJECT (SWSM-Raebareli)

TPIA
 (CEINSYS)

Checked By

 Junior Engineer
 (UPJN)

Recommended By

 Assistant Engineer
 (UPJN)

Approved By

 Executive Engineer
 (UPJN)



Aqua Xplore

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

Ref. 808 - A / AX - 2024 Date 08.08.2024

Geophysical Borehole Logging Report

Name of the site : Akhoriya, Block - Khiron

District : Raibarely

Date : 08.08.2024

Depth logged : 345.0 mbgl,

Depth drilled : 350.0 mbgl - as reported

Logger used : Robertson make

Presence : Rep. of NCC Ltd., Raibarely

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	10.0-14.0	4.0	
2	24.0-34.0	10.0	Good (1,2,3,4,9)
3	65.0-69.0	4.0	
4	74.0-84.0	10.0	Moderate (5,7,8)
5	228.0-236.0	8.0	
6	250.0-257.0	7.0	Moderate to marginal
7	268.0-280.0	12.0	(6,10,11)
8	283.0-287.0	4.0	
9	306.0-313.0	7.0	
10	316.0-326.0	10.0	
11	333.0-337.0	4.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 88.0 to 214.0 mbgl. Partial clay layer lies in between 221.0 to 225.0 mbgl. Expected TDS value of Sl. Nos. 5, 7 & 8 may be around 700-900 ppm & Sl. Nos. 6, 10 & 11 may be around 1100-1300 ppm.

[Signature]

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibarely