

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

Lowered Assembly Plan-KEWALPUR BARETHA, Block-Jagatpur, JIM PHASE-II-(573/38)

Type of Rig Machine- D. C RIG MACHINE

Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

Size of Bore - 600 X 450mm,

Static W/L-

District -
LPM-400

Raebareli

DEPTH OF BORE IN
M.B.G.L.

DEPTH OF
STRATA IN
M.B.G.L.

LOWERED ASSEMBLY

DETAILS OF ASSEMBLY

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	46.00	MBGL	46.00	M.
Ø 300 mm dia Housing	Slotted pipe from	46.00	MBGL to	54.00	MBGL	8.00	M.
Ø 300 mm dia Housing	Plain pipe from	54.00	MBGL to	55.00	MBGL	2.00	M.
Ø 300 mm dia Housing	Slotted pipe from	55.00	MBGL to	60.00	MBGL	4.00	M.
Ø 300 X Ø 150 mm dia	Reducer from	60.00	MBGL to	65.00	MBGL	5.00	M.
Ø 150 mm dia Plain pipe	Plain pipe from	65.00	MBGL to	65.20	MBGL	0.20	M.
		65.20	MBGL to	71.20	MBGL	6.00	M.
Total Assembly (AGL + BGL) - 71.70 M.							

ABSTRACT

1. Drilling Started on Dated - 10.12.2024
2. Drilling Completed on Dated -- 14.12.2024
3. Drilling Depth -- 600 mm Dia 71.00 M
450 mm Dia 204.00 M
Total- 275.00 M
4. Assembly lowered on Dated -- 20-12-2025 ~~2024~~
5. Assembly Lowered -
 - (A) Housing pipe 300 mm dia (AGL) - 0.50 M
 - (B) Housing pipe (Plain) 300 mm dia (BGL) - 53.00 M
 - (C) Slotted pipe 300 mm dia - 12.00 M
 - (D) Reducer (300 mm X 150 dia) - 0.20 M
 - (E) Slotted pipe 150 mm dia - 0.00 M
 - (F) Plain pipe 150 mm dia - 6.00 M
7. Yield Test Date of T/w - N/A
8. Recommended Discharge - N/A
9. Pea-Gravel - 35.37 CUM

LOGGING REPORT (AQUA XPLORE)

REF.1214-K/AX-2024 Dated : 14.12.2024

Depth Logged-275m bgl

Date of Logging-14.12.2024

Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	22-26	4	Good
2	28-32	4	Good
3	38-42	4	Good
4	46-54	8	Good
5	56-60	4	Good
6	104-112	8	Moderate
7	114-117	3	Moderate to Marginal
8	164-178	14	Moderate to Marginal
9	190-194	4	Moderate to Marginal
10	212-226	14	Moderate to Marginal
11	228-236	8	Moderate to Marginal
12	252-258	6	Moderate to Marginal

NOTE-All zone are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 65.0 to 100.0 mbgl & 120.0 to 167.0 mbgl. Partial clay layer lies in between 100.0 to 103.0 mbgl & 158.0 to 162.0 mbgl. Expected TDS value SI.No 5 may be around 600-800 ppm & SL. NOS 6 to 12 may be around 900-1100 ppm.

Manager (O.W.)

Prepared & Proposed By

M/S NCC
PROJECT (SWSM-Raebareli)

Checked By

TPIA
(CEINSYS)

Recommended By

Assistant Engineer
(UPJN)

Approved By

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. 1214 - K / AX - 2024 Date 14.12.2024

Geophysical Borehole Logging Report

Name of the site : Kewalpur Bharetha, Block - Jagatpur

District : Raibarely

Date : 14.12.2024

Depth logged : 275.0 mbgl,

Depth drilled : 280.0.0 mbgl – as reported

Logger used : Robertson make

Presence : Rep. of NCC Ltd., Raibareli

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 (1,2,3,4)
2	28.0–32.0	4.0	
3	38.0–42.0	4.0	
4	46.0–54.0	8.0	
5	56.0–60.0	4.0	Moderate (5)
6	104.0–112.0	8.0	
7	114.0–117.0	3.0	
8	164.0–178.0	14.0	Moderate to marginal (6 to 12)
9	190.0–194.0	4.0	
10	212.0–226.0	14.0	
11	228.0–236.0	8.0	
12	252.0–258.0	6.0	

Note. All zone sare intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 65.0 to 100.0 mbgl & 120.0 to 157.0 mbgl. Partial clay layer lies in between 100.0 to 103.0 mbgl & 158.0 to 162.0 mbgl. Expected TDS value of Sl. No. 5 may be around 600–800 ppm. & Sl. Nos. 6 to 12 may be around 900–1100 ppm.

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibarely