

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

Lowered Assembly Plan-Dariwa, Block-SATAON, JIM PHASE-II-(647/23)

District -

Raebareli

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 600 X 450mm,

Static W/L-

LPM-740

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							
600mr	00.00		Ø 300 mm dia Housing	Plain Pipe from (AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
	00.00		Ø 300 mm dia Housing	Plain Pipe from (BGL)	0.00	MBGL to	40.00	MBGL	40.00	M.
	00.00		Ø 300 mm dia Housing	Slotted pipe	40.00	MBGL to	46.00	MBGL	6.00	M.
	00.00		Ø 300 mm dia Housing	Plain Pipe from	46.00	MBGL to	52.00	MBGL	6.00	M.
	00.00		Ø 300 X Ø 150 mm dia	Reducer from	52.00	MBGL to	52.20	MBGL	0.20	M.
	00.00		Ø 150 mm dia Plain pipe	Plain Pipe from	52.20	MBGL to	254.00	MBGL	201.80	M.
	00.00		Ø 150 mm dia Plain pipe	Slotted pipe	254.00	MBGL to	266.00	MBGL	12.00	M.
	00.00		Ø 150 mm dia Plain pipe	Plain Pipe from	266.00	MBGL to	269.00	MBGL	3.00	M.
	00.00		Ø 150 mm dia Plain pipe	Slotted pipe	269.00	MBGL to	275.00	MBGL	6.00	M.
	00.00		Ø 150 mm dia Plain pipe	Plain Pipe from	275.00	MBGL to	281.00	MBGL	6.00	M.
Total Assembly (AGL + BGL) -									281.50	M.

ABSTRACT

1. Drilling Started on Dated -	12.04.2024
2. Drilling Completed on Dated --	20.04.2024
3. Drilling Depth -	600 mm Dia 450 mm Dia
	60.00 M 290.00 M
Total-	350.00 M
4. Assembly lowered on Dated --	27-4-2024
5. Assembly Lowered -	
(A) Housing pipe 300 mm dia (AGL) -	0.50 M
(B) Housing pipe (Plain) 300 mm dia (BGL) -	46.00 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 -	18.00 M
(F) Plain pipe 150 mm dia -	210.80 M
Total assembly-	281.50 M
7. Yield Test Date of T/w -	N/A
8. Recommended Discharge -	N/A
9. Pea-Gravel -	53.14 Cum

LOGGING REPORT (Aqua Xplore) Ref:420-D/AX-2024 Dated-20.04.2024
Depth Logged-350m bgl Date of Logging- 20.04.2024

Sl.	Depth Range Mbgl	Thickness m.	Remarks
	28-35	7	Good
	40-46	6	Moderate
	252-276	24	Moderate
	282-290	8	Moderate to Marginal
	299-303	4	Moderate to Marginal
	313-317	4	Marginal
	323-330	7	Marginal
	332-336	4	Marginal

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating to saline in between 50.0 mbgl to 245.0 mbgl. Expected TDS of Sl.Nos.2 & 3 may be around 600-800 ppm. Expected TDS of Sl. Nos. 4 & 5 may be around 800-1000 ppm. Expected TDS value of Sl. Nos. 6 to 9 may be around 1100-1300 ppm. Partial clay layer lies in between 245.0 to 248.0 mbgl.

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

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

Ref. 420 -D / AX- 2024 Date 20.04.2024

Geophysical Borehole Logging Report

Name of the site : Dariba, Block -Sataon

District : Raibareli

Date : 20.04.2024

Depth logged : 350.0 mbgl,

Depth drilled : 350.0 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	28.0-35.0	7.0	Good (1)
2	40.0-46.0	6.0	
3	252.0-276.0	24.0	Moderate(2 & 3)
4	282.0-290.0	8.0	Moderate to marginal
5	299.0-303.0	4.0	(4,5)
6	313.0-317.0	4.0	
7	323.0-330.0	7.0	Marginal (6,7,8)
8	332.0-336.0	4.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating to saline in between 50.0 mbgl to 245.0 mbgl. Expected TDS of Sl.Nos.2 & 3 may be around 600-800 ppm. Expected TDS of Sl. Nos. 4 & 5 may be around 800-1000 ppm. Expected TDS value of Sl. Nos. 6 to 9 may be around 1100-1300 ppm. Partial clay layer lies in between 245.0 to 248.0 mbgl.

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibareli