

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

Lowered Assembly Plan-Madhopur, Block-SARENI, JIM PHASE-II-(638/31)

Type of Rig Machine - D. C. RIG MACHINE

Size of Bore - 500 X 450mm,

Static W/L-

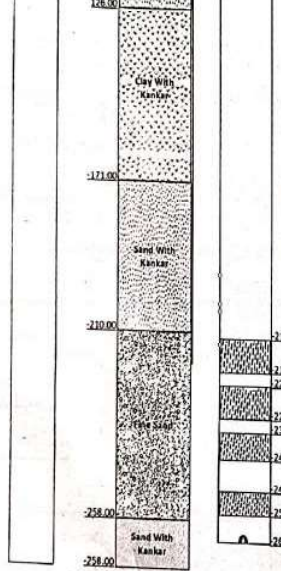
District -

Raebareilly

Contractor Name - M/S NCC SWSM PROJECT RAEBARELLI

LPM-580

DEPTH OF BORE IN M.B.G.L	DEPTH OF STRATA IN M.B.G.L	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY							
0.00	0.00		Ø 200 mm dia Housing	Plain Pipe from (AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
10.00	10.00		Ø 200 mm dia Housing	Plain Pipe from (BGL)	0.00	MBGL to	53.50	MBGL	53.50	M.
10.00	10.00		Ø 200 X Ø 160 mm dia	Reducer from	53.50	MBGL to	53.70	MBGL	0.20	M.
10.00	10.00		Ø 160 mm dia pipe	Plain Pipe from	53.70	MBGL to	210.50	MBGL	156.80	M.
10.00	10.00		Ø 160 mm dia pipe	Slotted pipe	210.50	MBGL to	219.50	MBGL	9.00	M.
10.00	10.00		Ø 160 mm dia pipe	Plain Pipe from	219.50	MBGL to	223.50	MBGL	4.00	M.
10.00	10.00		Ø 160 mm dia pipe	Slotted pipe	223.50	MBGL to	226.50	MBGL	3.00	M.
10.00	10.00		Ø 160 mm dia pipe	Plain Pipe from	226.50	MBGL to	236.50	MBGL	10.00	M.
10.00	10.00		Ø 160 mm dia pipe	Slotted pipe	236.50	MBGL to	242.50	MBGL	6.00	M.
10.00	10.00		Ø 160 mm dia pipe	Plain Pipe from	242.50	MBGL to	249.50	MBGL	7.00	M.
10.00	10.00		Ø 160 mm dia pipe	Slotted pipe	249.50	MBGL to	255.50	MBGL	6.00	M.
10.00	10.00		Ø 150 mm dia pipe	Plain Pipe from	255.50	MBGL to	261.50	MBGL	6.00	M.
10.00	10.00									
10.00	10.00									
			Total Assembly (AGL + BGL) - 262.00 M.							



ABSTRACT	
1. Drilling Started on Dated --	14.05.2024
2. Drilling Completed on Dated --	22-06-2024
3. Drilling Depth --	500 mm Dia 60.00 M
	450 mm Dia 225.00 M
	Total- 285.00 M
4. Assembly lowered on Dated --	28-6-24
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 -	183.80 M
Total assembly-	262.00 M
7. Yield Test Date of T/w -	N/A
8. Recommended Discharge -	N/A
9. Pea-Garvel -	59.24 Cum

LOGGING REPORT (Aqua Xplore)		Ref:622-M/AX-2024/Dated-22.06.2024	
Date of Logging-22.06.2024			
Depth Logged-285m bgl			
Sl.	Depth Range MbgL	Thickness m.	Remarks
1	33-43	10	Good
2	113-120	7	Moderate
3	124-34	10	Moderate
4	164-168	4	Moderate
5	170-174	4	Moderate
6	177-187	10	Moderate
7	191-195	4	Moderate
8	203-207	4	Moderate
9	210-220	10	Moderate
10	223-227	4	Moderate
11	236-243	7	Moderate
12	249-256	7	Good
			Good

All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 60.0 mbgl to 100.0 mbgl. Partial clay layer lies in between 106.0 to 110.0 mbgl. Expected TDS value of Sl. Nos.2 to 10 may be around 600-800 PPM.

Manager (G.W.)

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

Checked By TPIA (CEINSYS)

Recommended By Junior Engineer (UPJN)

Approved By 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. 622 - M / AX - 2024 Date 22.06.2024

Geophysical Borehole Logging Report

Name of the site : Madhopur, Block - Sareni

District : Raibarely

Date : 22.06.2024

Depth logged : 270.0 mbgl,

Depth drilled : 270.0.0 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.	33.0---43.0	10.0	Good (1,11,12)
2	113.0---120.0	7.0	
3	124.0---134.0	10.0	
4	164.0---168.0	4.0	Moderate(2 to 10)
5	170.0---174.0	4.0	
6	177.0---187.0	10.0	
7	191.0---195.0	4.0	
8	203.0---207.0	4.0	
9	210.0---220.0	10.0	
10	223.0---227.0	4.0	
11	236.0---243.0	7.0	
12	249.0---256.0	7.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 60.0 mbgl to 100.0 mbgl. Partial clay layer lies in between 106.0 to 110.0 mbgl. Expected TDS value of Sl. Nos.2 to 10 may be around 600-800 PPM.

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibarely