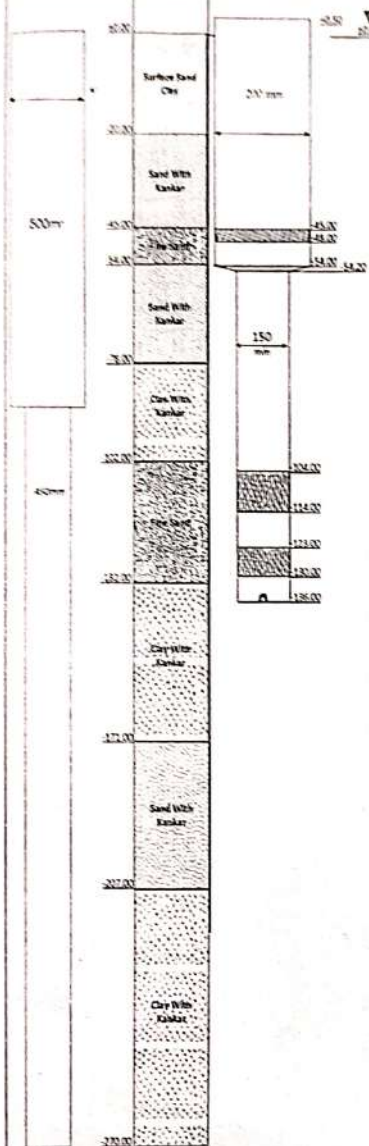


OFFICE OF THE EXECUTIVE ENGINEER DIVISIONAL OFFICE (E/M), U.P. JAL NIGAM, LUCKNOW

Lowered Assembly Plan-LAKHAN GAON, Block-Sareni, JIM PHASE-II-(573/52)
Type of Rig Machine-D. C RIG MACHINE Size of Bore - 500 X 450mm.
Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

District - Raebareli
LPM-470

DEPTH OF BORE IN M.B.G.L	DEPTH OF STRATA IN M.B.G.L	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY							
50.00	Surface Sand Chk	200 mm	Ø 200 mm dia Housing	Plain Pipe from(AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
50.00			Ø 200 mm dia Housing	Plain Pipe from (BGL)	0.00	MBGL to	45.00	MBGL	45.00	M.
50.00			Ø 200 mm dia Housing	Slotted pipe	45.00	MBGL to	48.00	MBGL	3.00	M.
50.00			Ø 200 mm dia Housing	Plain Pipe from	48.00	MBGL to	54.00	MBGL	6.00	M.
50.00	Sand With Kankar		Ø 200 X Ø 150 mm dia	Reducer from	54.00	MBGL to	54.20	MBGL	0.20	M.
50.00			Ø 150 mm dia pipe	Plain Pipe from	54.20	MBGL to	104.00	MBGL	49.80	M.
50.00			Ø 150 mm dia pipe	Slotted pipe	104.00	MBGL to	114.00	MBGL	10.00	M.
50.00			Ø 150 mm dia pipe	Plain Pipe from	114.00	MBGL to	123.00	MBGL	9.00	M.
50.00			Ø 150 mm dia pipe	Slotted pipe	123.00	MBGL to	130.00	MBGL	7.00	M.
50.00			Ø 150 mm dia pipe	Plain Pipe from	130.00	MBGL to	136.00	MBGL	6.00	M.
			Total Assembly (AGL + BGL) - 136.50 M.							



ABSTRACT	
1. Drilling Started on Dated -	01.05.2024
2. Drilling Completed on Dated -	09-06-2024
3. Drilling Depth -	60.00 M
500 mm Dia	210.00 M
450 mm Dia	270.00 M
Total-	270.00 M
4. Assembly lowered on Dated - 14-6-2024	
5. Assembly Lowered -	
(A) Housing pipe 200 mm dia(AGL) -	0.50 M
(B) Housing pipe(Plain)200 mm dia(BGL) -	51.00 M
(C) Slotted pipe 200 mm dia -	3.00 M
(D) Reducer (200 mm X 150 dia) -	0.20 M
(E) Slotted pipe 150 mm dia -	17.00 M
(F) Plain pipe 150 mm dia -	64.80 M
Total assembly-	136.50 M
7. Yield Test Date of T/w - N/A	
8. Recommended Discharge - N/A	
9. Pea-Garvel - 35.64 Cum	

LOGGING REPORT (Aqua Xplore)		Ref:609-L/AX-2024 Dated-09.06.2024	
Depth Logged-270m bgl		Dated-9-6-2024	
Sl	Depth Range Mbgl	Thickness m.	Remarks
1	18-22	4	Good
2	30-34	4	Good
3	44-48	4	Good
4	104-114	10	Good
5	123-130	7	Good
6	197-201	4	Marginal
7	205-209	4	Marginal
8	212-216	4	Marginal
9	222-228	6	Marginal
10	232-236	4	Marginal
11	242-246	4	Marginal
12	258-264	8	Marginal

All zones are intermixed with kankar. Quality of the formation water is deteriorating to saline in between 60.0 to 88.0 mbgl and 140.0 to 176.0 mbgl. Partial clay layer lies in between 88.0 to 93.0 mbgl & 176.0 to 182.0 mbgl. Expected TDS value of Sl. Nos. 6 to 12 may be around 1000-1200 ppm.

Manager (G.W.)

Prepared & Proposed By <i>[Signature]</i> M/S NCC PROJECT (SWSM-Raebareli)	Checked By <i>[Signature]</i> TPIA (CEINSYS)	Recommended By <i>[Signature]</i> Assistant Engineer (UPJN)	Approved By <i>[Signature]</i> Executive Engineer (UPJN)
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Aqua Xplore

(Groundwater Assessment & Allied Services)
243/5, New Colony Jiyamau, Hazratganj, Lucknow - 226001

Mob. 9918202546 / 9889323322, E mail- aquaxploreko@gmail.com

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

Ref. 609 -L / AX - 2024 Date 09.06.2024

Geophysical Borehole Logging Report

Name of the site : Lakhan Gaon, Block - Sareni

District : Raibarely

Date : 09.06.2024

Depth logged : 270.0 mbgl,

Depth drilled : 270.0 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	18.0-22.0	4.0	Good (1 to 5)
2	30.0-34.0	4.0	
3	44.0-48.0	4.0	
4	104.0-114.0	10.0	
5	123.0-130.0	7.0	
6	197.0-201.0	4.0	Marginal (6 to 12)
7	205.0-209.0	4.0	
8	212.0-216.0	4.0	
9	222.0-228.0	6.0	
10	232.0-236.0	4.0	
11	242.0-246.0	4.0	
12	258.0-264.0	8.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating to saline in between 60.0 to 88.0 mbgl and 140.0 to 176.0 mbgl. Partial clay layer lies in between 88.0 to 93.0 mbgl & 176.0 to 182.0 mbgl. Expected TDS value of Sl. Nos. 6 to 12 may be around 1000-1200 ppm.

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibarely

