

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

Lowered Assembly Plan-Haibatpur Khurd, Block-SARENI, IIM PHASE-II (638/36)  
Type of Rig Machine- D. C RIG MACHINE  
Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

District - Raebareli  
LPM-400  
Static W/L-

DEPTH OF BORE IN MBGL	DEPTH OF STRATA IN MBGL	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY							
0.00	0.00	Surface Sand Clay	Ø 200 mm dia Housing	Plain Pipe from (AGL)	0.00	MAGL to	0.50	MAGL	0.50	M
0.00	0.00	Clay With Kankar	Ø 200 mm dia Housing	Plain Pipe from (BGL)	0.00	MBGL to	38.00	MBGL	38.00	M
0.00	0.00	200 mm	Ø 200 mm dia Housing	Slotted pipe	38.00	MBGL to	41.00	MBGL	3.00	M
0.00	0.00	Sand With Kankar	Ø 200 mm dia Housing	Plain Pipe from	41.00	MBGL to	50.00	MBGL	9.00	M
0.00	0.00	Thin Shale	Ø 200 mm dia Housing	Slotted pipe	50.00	MBGL to	54.00	MBGL	4.00	M
0.00	0.00	Sand With Kankar	Ø 200 mm dia Housing	Plain Pipe from	54.00	MBGL to	60.00	MBGL	6.00	M
0.00	0.00	Thin Shale	Ø 200 mm dia Housing	Slotted pipe	60.00	MBGL to	64.00	MBGL	4.00	M
0.00	0.00	Sand With Kankar	Ø 200 mm dia Housing	Plain Pipe from	64.00	MBGL to	80.00	MBGL	16.00	M
0.00	0.00	Thin Shale	Ø 200 mm dia Housing	Slotted pipe	80.00	MBGL to	87.00	MBGL	7.00	M
0.00	0.00	Sand With Kankar	Ø 200 mm dia Housing	Plain Pipe from	87.00	MBGL to	90.00	MBGL	3.00	M
0.00	0.00	Thin Shale	Ø 200 X Ø 150 mm dia	Reducer from	90.00	MBGL to	90.20	MBGL	0.20	M
0.00	0.00	Sand With Kankar	Ø 150 mm dia Plain pipe	Plain Pipe from	90.20	MBGL to	95.20	MBGL	5.00	M
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# Aqua Xplore

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

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

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

Ref. 601 -H / AX- 2024 Date 01.06.2024

## Geophysical Borehole Logging Report

Name of the site :- Haibatpur Khurd, Block - Sareni

District : Raibarely

Date : 01.06.2024

Depth logged : 275.0 mbgl,

Depth drilled : 275.0 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	23.0-27.0	4.0	Good (1,2,4)
2	31.0-41.0	10.0	
3	50.0-54.0	4.0	Moderate (3)
4	80.0-87.0	7.0	
5	240.0-244.0	4.0	Moderate to marginal
6	250.0-260.0	10.0	(5,6,7)
7	263.0-267.0	4.0	

Note. All zone are intermixed with kankar. Quality of the formation water is deteriorating to Saline in between 89.0 to 234.0 mbgl. Partail clay layer lies in between 234.0 to 238.0 mbgl. Expected TDS value of Sl. No. 3 may be around 700-900 ppm & Sl. Nos. 5 to 7 may be around 900-1100 ppm.

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibarely