



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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Ref 906 - S/ AX - 2021

Date 06.09.2021

06/09/2021

## Geophysical Borehole Logging Report

Name of the site : Sopai, Block- Belghat

District : Gorakhpur

Date : 06.09.2021

Depth logged : 138.0 mbgl

Depth drilled : 145.0 mbgl

Logged by : Aqua Xplore

Presence : Representative of M/S NCC Limited, Gorakhpur - South

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---33.0	11.0	Good all
2	39.0---49.0	10.0	
3	52.0---60.0	8.0	
4	82.0---92.0	10.0	
5	100.0---110.0	10.0	
6	117.0---122.0	5.0	

Note. No suitable zones were encountered below 122.0 mbgl till depth logged.

for Aqua Xplore

CC;

1. Executive Engineer, C.D. (E/M), U.P.Jal Nigam, Gorakhpur.
2. M/S NCC Limited, Gorakhpur -South, SWSM.

**BORE WELL DEVELOPMENT CHART (E/M)**

SWSM/DWSM

NCC LTD.- GORAKHPUR (UP)

NAME OF THE DISTRICT-	<b>GORAKHPUR</b>	TYPE OF RIG M/C-	<b>RC</b>
NAME OF THE BLOCK-	<b>BELGHAT</b>	SIZE OF BORE-	<b>600 mm φ</b>
NAME OF THE GRAM PANCHAYAT-	<b>SOPAI</b>	STATIC WATER LEVEL-	<b>1000</b>
NAME OF THE VILLAGE-		J.E Incharge	A.E Incharge

DEPTH B.G.L. IN METER	BORING CHART	STRATA	EXECUTED ASSEMBLY	ASSEMBLY DETAILS
0M				NAL-0.45" 300 mm Dia Housing Pipe A.G.L. = 0.45 m
		CONCRETE CLAY		300 mm Dia Housing Pipe m to 36.25 m
				300/150 mm Dia Reducer 35.90 m to 35.95 m
				150 mm Dia BLIND pipe 35.95 m to 82.50 m
16.0		CLAY		150 mm Dia SLOTER pipe 82.50 m to 91.57 m
				150 mm Dia BLIND pipe 91.57 m to 100.50 m
22.0		MEDIUM SAND		150 mm Dia SLOTER pipe 100.50 m to 109.57 m
				150 mm Dia BLIND pipe 109.57 m to 118.69 m
34.0		SANDY CLAY		150 mm Dia BLIND pipe 118.69 m to 125.69 m
39.0			35.80	
			35.95	
		MEDIUM SAND		
49.0		SANDY CLAY		
52.0				
		MEDIUM SAND		
60.0				
		CONCRETE CLAY		
82.0		MEDIUM SAND	82.50	
92.0		SANDY CLAY	91.57	
100.0			100.50	
		MEDIUM SAND		
110.0		CLAY	109.57	
117.0		MEDIUM SAND	118.69	
122.0			125.69	
		CONCRETE CLAY		
			BAZL PLUG	
145.0				

Total Assembly = 125.69 m + A.G.L. (m) = 0.45 m = 126.14 MTR

**ABSTRACT**

1. Drilling Started- 22/08/2021
2. Drilling Completed/Lowering- 08/09/2021
3. Drilling Depth (m)- 145
4. Assembly Lowered (m)- 126.14
5. Housing Pipe (m)- 36.25 MTR
6. Plain Pipe (m)- 68.60 MTR
7. Slotted Pipe (m)- 21.14 MTR
8. Reducer (m)- 0.15 mtr

**LOGGING REPORT**

- 1- 22.0 - 33.0 - 11.0 MTR
- 2- 39.0 - 49.0 - 10.0 MTR
- 3- 52.0 - 60.0 - 8.0 MTR
- 4- 82.0 - 92.0 - 10.0 MTR
- 5- 100.0 - 110.0 - 10.0 MTR
- 6- 117.0 - 122.0 - 5.0 MTR

SOUND TEST-	<b>FOUND OK</b>		
VERTICALITY TEST-			

