



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref 1005 - K / AX - 2021 Date 05.10.2021

Geophysical Borehole Logging Report

Name of the site : Khirkita Digar , Block- Gola

District : Gorakhpur

Date : 05.10.2021

Depth logged : 150.0 mbgl

Depth drilled : 167.0 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	14.0---17.0	3.0	Good all
2	23.0---28.0	5.0	
3	40.0---52.0	12.0	
4	55.0---60.0	5.0	
5	73.0---83.0	10.0	
6	115.0---120.0	5.0	
7	123.0---138.0	15.0	
8	141.0---145.0	4.0	

Note. All zones are intermixed with fine bands of kankar.

for Aqua Xplore

CC;

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

BORE WELL DEVELOPMENT CHART (E/M)				
SWSM/DWSM				
NCC LTD.-GORAKHPUR (UP)				
NAME OF THE DISTRICT- GORAKHPUR		NAME OF THE BLOCK- COLA		TYPE OF RIG/M.C. RC
NAME OF THE GRAM PANCHAYAT- KHARKITA DIGAR		NAME OF THE VILLAGE-		SIZE OF BORE- 600/500 mm
				STATIC WATER LEVEL- 13M
				J.E Incharge _____ A.E Incharge _____
DEPTH P.C.I. IN METER	BORING CHART	STRATA	EXECUTED ASSEMBLY	ASSEMBLY DETAILS
0M		CLAY		300 mm Dia Housing Pipe A.G.L. = 0-50 m
14.0		MEDIUM SAND		300 mm Dia Housing Pipe m to 36.05 m
18.0		CLAY		300/150 mm Dia Reducer 35.55 m to 35.75 m
23.0		MEDIUM SAND		150 mm Dia BLIND pipe 35.75 m to 73.55 m
28.0		CONCRETE CLAY		150 mm Dia SLOTTED pipe 73.55 m to 82.57 m
40.0		MEDIUM SAND		150 mm Dia BLIND pipe 82.57 m to 116.50 m
52.0		MEDIUM SAND		150 mm Dia SLOTTED pipe 116.50 m to 119.51 m
56.0		SANDY CLAY		150 mm Dia BLIND pipe 119.51 m to 125.92 m
60.0		MEDIUM SAND		150 mm Dia SLOTTED pipe 125.92 m to 137.53 m
73.0		SANDY CLAY		150 mm Dia BLIND pipe 137.53 m to 143.56 m
73.0		MEDIUM SAND	73.55 MTR	
83.0		CLAY		
96.0		CONCRETE CLAY		
115.0		MEDIUM SAND		
120.0		SANDY CLAY		
124.0		MEDIUM SAND		
138.0		SANDY CLAY		
142.0		MEDIUM SAND		
145.0		CLAY		
167.0		CLAY		
			35.55 MTR	
			35.75 MTR	
			73.55 MTR	
			82.57 MTR	
			116.50 MTR	
			119.51 MTR	
			125.92 MTR	
			137.53 MTR	
			143.56 MTR	
			BAIL PLUG	
				Total Assembly = 143.56 m + A.G.L. (m) = 0.50 m 144.06 MTR
ABSTRACT				
1. Drilling Started- 27-09-2021				
2. Drilling Completed/Lowering- 07/10/2021				
3. Drilling Depth (m)- 167 MTR				
4. Assembly Lowered (m)- 144.06 MTR				
5. Housing Pipe (m)- 36.05 MTR				
6. Plain Pipe (m)- 83.92 MTR				
7. Slotted Pipe (m)- 24.09 MTR				
8. Reducer (m)- 0.20 MTR				
LOGGING REPORT				
1- 14 - 17 - 3.0 MTR				
2- 23 - 28 - 5.0 MTR				
3- 40 - 52 - 12.0 MTR				
4- 55 - 60 - 5.0 MTR				
5- 73 - 83 - 10.0 MTR				
6- 115 - 120 - 5.0 MTR				
7- 123 - 138 - 15.0 MTR				
8- 141 - 145 - 4.0 MTR				
9-				
10-				
NCC LTD		J.E & A.E		F.M.C.T./P.A
SUDHAKAR		NANDU KUMAR		EE
SUDHAKAR		BISHNUPADAN		