



# Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow – 226001

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

Ref 212 - B / AX - 2022

Date 12.02.2022

## Geophysical Borehole Logging Report

Name of the site : Basara, Block-Bejham

District : Kheri

Date : 12.02.2022

Depth logged : 162.0 mbgl

Depth drilled : 165.0 mbgl

Logged by : Aqua Xplore

Presence : Rep. of M/S NCC/NRC/Neeram, Kheri

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	27.0--38.0	11.0	Good all
2	54.0--58.0	4.0	
3	61.0--68.0	7.0	
4	77.0--88.0	11.0	
5	92.0--104.0	12.0	
6	108.0--127.0	19.0	
7	140.0--144.0	4.0	
8	152.0--157.0	5.0	

Note.

for Aqua Xplore

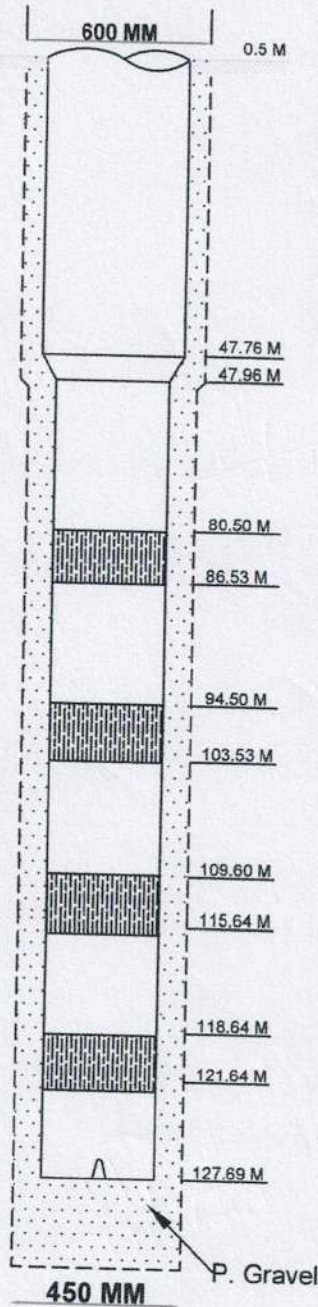
CC;

1. M/S NCC, Kheri
2. M/S N.R. Constructions, Plot No.56, Pragathi Nagar Yousufguda, Hyderabad - 500045, Telangana
2. M/S Neeram Enterprises Private Limited, Shop No.2, Hera Complex, Picnic Spot Road, Lucknow-226016.

Name of work :- Construction of T. W. of G.P. Basars, Block-Bhejam, District, Lakhimpur Kheri.  
 Name of Program :- J. J. M-2  
 Name of client :- S.W.S.M. & U.P. JAL NIGAM ( R )  
 Name of Contractor :- M/S NCC Limited  
 Name of TPI :- Ceinsys Tech Limited  
 Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021  
 Cover Agreement :- 200/ED/2021-22/III Dt. 30 November, 2021  
 Lowered Assembly Chart of T. W of Basara G.P W/S Scheme District :- Lakhimpur Kheri.

### Strata

0-3 mtr Surface Clay
3-27 mtr Clay & Silty Clay.
27-38 mtr Fine Sand
38-54 mtr Clay
54 mtr Fine Sand
58-61 mtr Sandy soil
61-68 mtr Fine to Medium Sand
68-77 mtr Clay with Kankar
77-88 mtr Fine to Medium Sand With Kankar
88-92 mtr Sandy soil with Caving Clay
92-104 mtr Medium Sand With Kankar
104-108 mtr Sandy soil With Kankar
108-127 mtr Fine Sand With Kankar
127-140 mtr Clay with Kankar soil
140-144 mtr Fine Sand
144-152 mtr Clay With Kankar
152-157 mtr Fine Sand With Kankar
157-162 mtr Clay With Kankar



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 600 LPM
4	Bore Size (MM) :- 500x450
5	Assembly Size (MM) :- 200 x 150
6	Drilling Starting Date :- 01.02.2022
7	Drilling Completion Date :- 11.02.2022
8	Total Depth Of Drilling :- 165M
9	Logging Date :- 12.02.2022
10	Logging Depth :- 162M

Logging Report By Aqua Xplore Lucknow			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	27-38	11	Fine to Medium Sand (Good All)
2	54-58	4	
3	61-68	7	
4	77-88	11	
5	92-104	12	
6	108-127	19	
7	140-144	4	
8	152-157	5	

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 48.26 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 24.13 Meter
iii)	150 mm Dia M. S. Plain pipe :- 55.60 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
Total :- 128.19 Meter	
AGI :- 00.50 Meter	
BGL :- 127.69 Meter	
12. Date of Lowering :- 15.02.2022	

Recommended & Prepared by



Verified by

*[Signature]*  
M/s Ceinsys Tech Ltd

Recommended by

*[Signature]*  
J.E  
13th Division UP Jal Nigam (R) Lucknow

Approved by

*[Signature]*  
E.E  
13th Division U.P Jal Nigam (R) Lucknow