

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 918 - M / AX- 2022 Date 18.09.2022

Geophysical Borehole Logging Report

Name of the site : Mahariya, Block- Isha Nagar
District : Kheri
Date : 18.09.2022
Depth logged : 162.0 mbgl
Depth drilled : 165.0 mbgl
Logger use : Robertson
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	22.0—34.0	12.0	Good all
2	38.0—44.0	6.0	
3	50.0—54.0	4.0	
4	58.0—66.0	8.0	
5	72.0—76.0	4.0	
6	84.0—88.0	4.0	
7	98.0—126.0	28.0	
8	130.0—149.0	19.0	
9	152.0—159	7.0	

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

Verified as per logs provided.

Gish
ASSISTANT HYDROGEOLOGIST
U.P. JAL NIGAM (RURAL)
BHAJACRAJ


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.

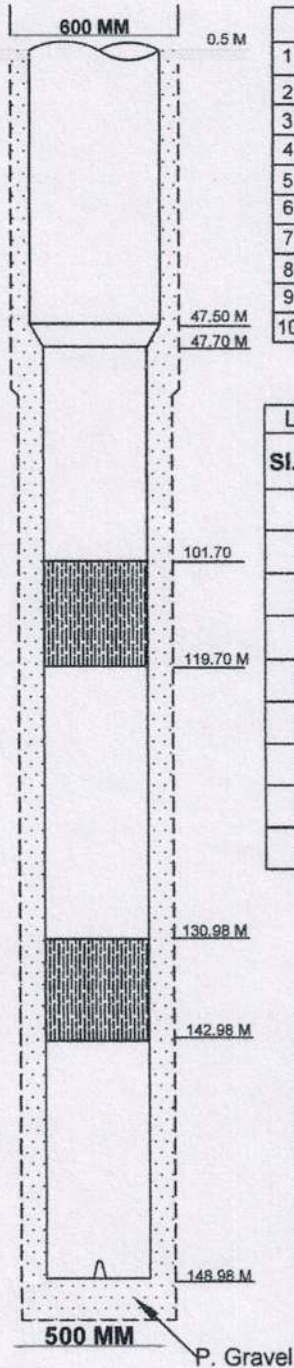
COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P Mahariya, Block-Issanagar, District, LakhimpurKheri.
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
Cover Agreement :-313/ED/2022-23/V Dt: 02/08/2022

Lowered Assembly Chart of T. W of Mahariya G.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-3 mtr Surface Clay
3-22 mtr Clay & Silty Clay.
22-34 mtr Fine Sand
34-38 mtr Clay with Kankar
38-44 mtr Fine Sand with Kankar
44-50 mtr Sandy soil With Kankar
50-54 mtr Fine to Medium Sand
54-58 mtr Clay with Kankar
58-66mtr Fine to Medium Sand
66-72 mtr Sandy soil with Caving Clay
72-76 mtr Fine Sand With Kankar
76-84 mtr Sandy soil With Kankar
84-88 mtr Fine Sand With Kankar
88-98 mtr Clay Sand With Kankar
98-126 mtr Fine Sand With Kankar
126-130 mtr Sandy soil With Kankar
130-149 mtr Fine Sand With Kankar
149-152 mtr Clay Sand With Kankar
152-159 mtr Fine Sand With Kankar



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :- 10 Mtr
3	Required Discharge :- 800 LPM
4	Bore Size (MM) :- 600x500
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 17.09.2022
7	Drilling Completion Date :- 18.09.2022
8	Total Depth Of Drilling :- 165 mtr
9	Logging Date :- 18.09.2022
10	Logging Depth :- 162M

Logging Report By Ground Water Investigation Center			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	22-34	12	Fine to Medium Sand (Good All)
2	38-44	6	
3	50-54	4	
4	58-66	8	
5	72-76	4	
6	84-88	4	
7	98-126	28	
8	130-149	19	
9	152-159	7	

Note:-All band are intermixed with Kankar

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 48.00 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 30.00 Meter
iii)	150 mm Dia M. S. Plain pipe :- 71.28 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
Total :- 148.98 Meter	
AGI :- 00.50 Meter	
BGL :- 149.48 Meter	
12. Date of Lowering	:- 20.09.2022

Recommended
&
Prepared by

M/s NCC Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

A.E.
J.E
13th Division UP Jal
Nigam (R) Lucknow

Approved by

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