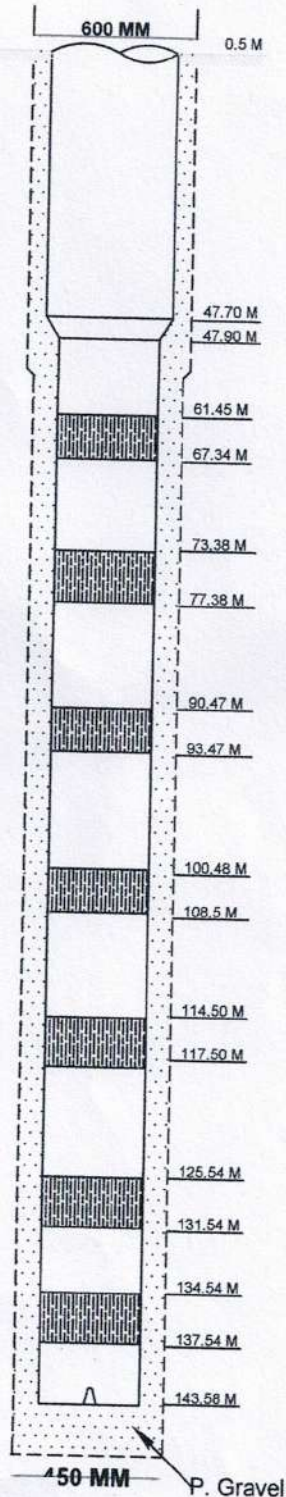


Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)
 Name of Contractor :- M/S NCC Limited
 Name of TPI :- Ceinsys Tech Limited
 Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021
 Cover Agreement :- 200/ED/2021-22/III Dt. 30 November 2021
 Lowered Assembly Chart of T. W of Rajghar G.P W/S Scheme District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

Strata

0-5 mtr Surface Clay
5-10 mtr Clay Kankar
15-35 mtr Fine Medium Sand
35-55 mtr Clay Kankar
55-68 mtr Fine to Medium Sand
68-72 mtr Sandy soil With Kankar
72-78 mtr Fine to Medium Sand
78-90 mtr Clay with Kankar
90-95 mtr Fine Sand With Kankar
95-99 mtr Clay with Kankar
99-110 mtr Fine to Medium Sand
110-114 mtr Clay With Kankar
114-118 mtr Fine Sand
118-125 mtr Clay with Kankar soil
125-138 mtr Fine to Medium Sand
138-145 mtr Clay With Kankar
145-150 mtr Fine to Medium Sand
150-160 mtr Clay with Kankar
160-170 mtr Fine to Medium Sand



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 850 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 17.04.2022
7	Drilling Completion Date :- 23.04.2022
8	Total Depth Of Drilling :- 170M
9	Logging Date :- 24.04.2022
10	Logging Depth :- 170M

Logging Report By Aqua Xplore Lucknow			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	15-35	20	Fine to Medium Sand (Good All)
2	55-68	13	
3	72-78	6	
4	90-95	5	
5	99-110	11	
6	114-118	4	
7	125-138	13	
8	145-150	5	
9	160-170	10	

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 48.20 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 32.91 Meter
iii)	150 mm Dia M. S. Plain pipe :- 64.77 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
Total :- 144.08 Meter	
AGI :- 00.50 Meter	
BGL :- 143.58 Meter	
12. Date of Lowering :- 25.04.2022	

Recommended & Prepared by

Same
M/s NCC Ltd

Verified by

Neel
M/s Ceinsys Tech Ltd

Recommended by

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

Approved by

E.E
E.E
13th Division U.P Jal Nigam (R) Lucknow



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAJGARH , BLOCK- KUMBHIGOLA, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth 170 mtrs. at above site. Was drilled by M/s NRC, Lakhimpur khiri.

On the request of M/s NRC, Lakhimpur khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 24.Apr.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 13.38 Ohms.

Drilling Water Resistivity = 14.93 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	15 - 35	20	Medium Sand	Good
4.	35 - 55	20	Clay kankar	
5.	55 - 68*	13	Medium Sand	Good
6.	68 - 72	4	kankar	
7.	72 - 78*	6	Medium Sand	Good
8.	78 - 90	12	Clay kankar	
9.	90 - 95*	5	Medium Sand & Kankar	Good
10.	95 - 99	4	Clay kankar	
11.	99 - 110*	11	Medium Sand	Good
12.	110 - 114	4	Clay kankar	
13.	114 - 118*	4	Medium Sand	Good
14.	118 - 125	7	Clay kankar	
15.	125 - 138*	13	Medium Sand	Good
16.	138 - 145	7	Clay kankar	
17.	145 - 150*	5	Medium Sand	Good
18.	150 - 160	10	Clay kankar	
19.	160 - 170*	10	Medium Sand	Good

Granular zones
verified as per logs.
Logging performed as per
SWSM guidelines. G.W quality
interpreted as per loggers
calibration.

G.S.H.
ASSISTANT HYDROGEOLOGIST
2ND DIVISION
U.P. JAL NIGAM (RURAL)
PRAYAGRAJ

Survey
Water Survey Consultancy
IGIS
Agra

Scanned with CamScanner

