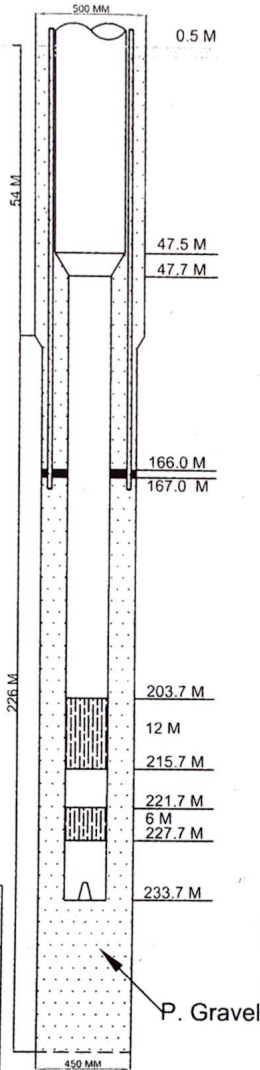


Name of work :- Construction of T. W. of G.P. KORIYA JUNGLE, Block-Lakhimpur, District, Lakhimpur Kheri.
 Name of Program :- J. J. M-2
 Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)
 Name of Contractor :- M/S NCC Limited
 Name of TPI :- Ceinsys Tech Limited
 Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021
 Cover Agreement :- 648/ED/Phase-2/2022-23/XVI, Dt. 23.03.2023
 Lowered Assembly Chart of T. W of KORIYA JUNGLE G.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M, Surface Soil
5-29 M, Clay Kankar
29-40 M, Medium Sand
40-51 M, Clay Kankar
51-60 M, Medium Sand
60-80 M, Clay Kankar
80-100 M, Fine Sand
100-103 M, Clay Kankar
103-110 M, Medium Sand
110-115 M, Clay Kankar
115-136 M, Medium Sand
136-152 M, Clay Kankar
152-164 M, Fine to Medium Sand
164-195 M, Clay Kankar
195-230 M, Medium Sand & Kankar
230-240 M, Clay Kankar



ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 450 LPM
4	Bore Size (MM)	:- 500x450
5	Assembly Size (MM)	:- 200 x 150
6	Drilling Starting Date	:- 22/11/2023
7	Drilling Completion Date	:- 27/11/2023
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 28/11/2023
10	Logging Depth	:- 240 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	80-100	20	Fine to Medium Sand (Good All)
2	103-110	07	
3	115-136	21	
4	152-164	12	
5	195-230	35	

Sr. No	Description	Zone-1 (195-230 M) Acceptable Limit / Test result	Zone-2 (152-164 M) Acceptable Limit / Test result
1	Fluoride (as F)*	1.00 / 0.652	1.00 / 0.675
2	Iron (As Fe)*	1.00 / 0.850	1.00 / 1.430
3	Total Arsenic (As As)	0.01 / 0.009	0.01 / 0.018

11. Details of Lowered Assembly	
i) 200 mm Dia Housing Pipe	:- 48.00 Meter
ii) 150 mm Dia M. S. Slotted pipe	:-18.00 Meter
iii) 150 mm Dia M. S. Plain pipe	:-168.0 Meter
iv) 200 x 150 mm Dia M S Reducer	:- 0.20 Meter
	Total :- 234.2 Meter
	AGI :- 00.50 Meter
	BGL :- 233.70 Meter
12. 90mm dia uPVC	:- 169x 2 = 338.0 Meter
13. Date of Lowering	:-02/12/2023

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

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UP Jal Nigam (R)
Lucknow

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KORAIYA GANGAL, BLOCK- LAKHIMPUR,
DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 240 mtrs. at above site. Was drilled by M/s NCC, Lakhimpur Khiri.

On the request of M/s NCC, Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.Nov.2023.

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 = 22.59 Ohms.

Drilling Water Resistivity = 23.72 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 29	24	Clay kankar	
3.	29 - 40	11	Medium sand	Good
4.	40 - 51	11	Clay kankar	
5.	51 - 60*	9	Medium sand	Good
6.	60 - 80	20	Clay kankar	
7.	80 - 100*	20	Medium sand	Good
8.	100 - 103	3	Clay kankar	
9.	103 - 110*	7	Medium sand	Good
10.	110 - 115	5	Clay kankar	
11.	115 - 136*	21	Medium sand	Good
12.	136 - 152	16	Clay kankar	
13.	152 - 164*	12	Fine to Medium sand	Good
14.	164 - 195	31	Clay kankar	
15.	195 - 230*	35	Medium sand & kankar	Good
16.	230 - 240	10	Clay kankar	

Ground Water Survey Consultancy

