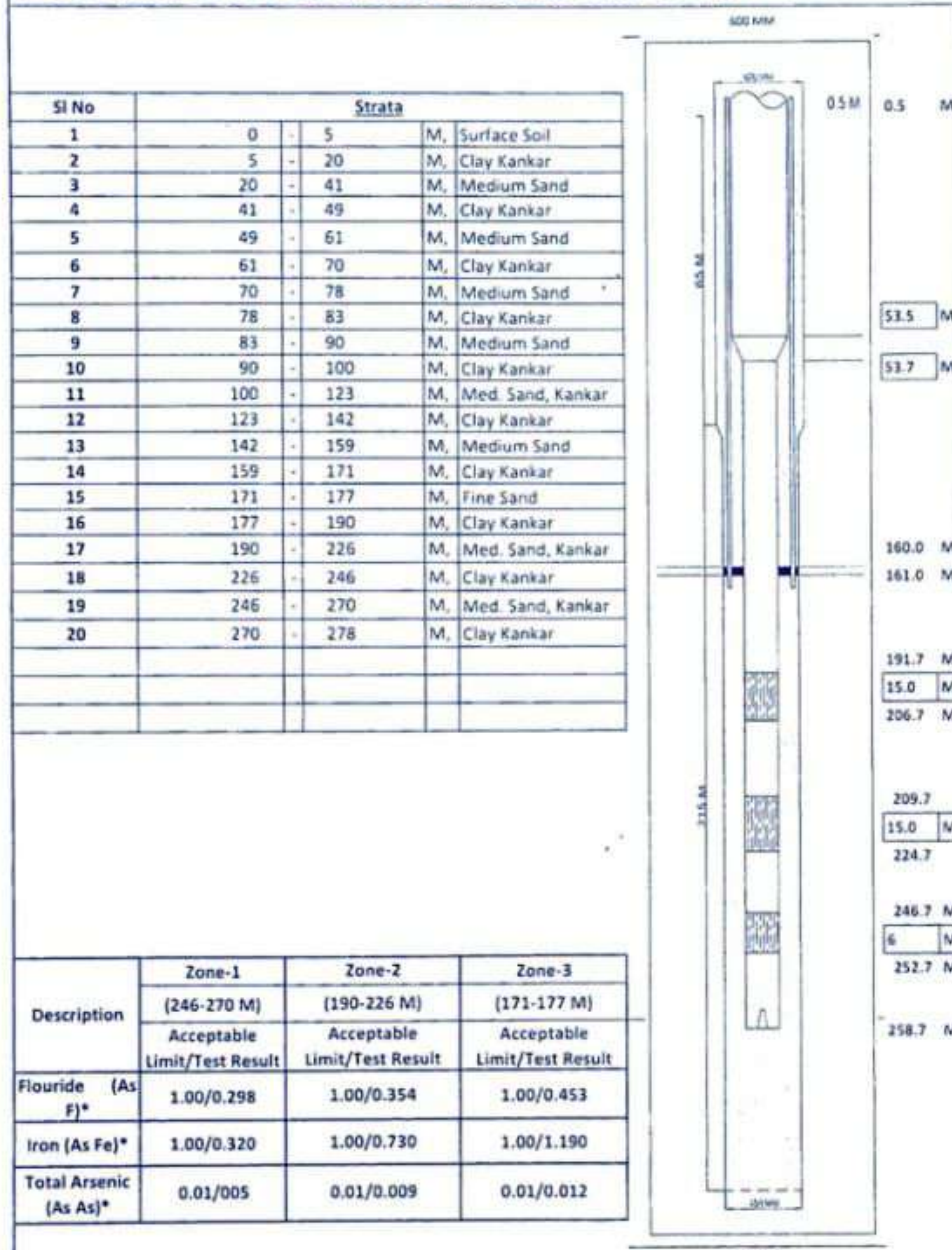


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Binoura, Block- NIGHASAN, 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 :- 465/ED/Phase-2/2022-23/XII, Dt. 27.02.2023

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



Sl No	Strata			
1	0	5	M	Surface Soil
2	5	20	M	Clay Kankar
3	20	41	M	Medium Sand
4	41	49	M	Clay Kankar
5	49	61	M	Medium Sand
6	61	70	M	Clay Kankar
7	70	78	M	Medium Sand
8	78	83	M	Clay Kankar
9	83	90	M	Medium Sand
10	90	100	M	Clay Kankar
11	100	123	M	Med. Sand, Kankar
12	123	142	M	Clay Kankar
13	142	159	M	Medium Sand
14	159	171	M	Clay Kankar
15	171	177	M	Fine Sand
16	177	190	M	Clay Kankar
17	190	226	M	Med. Sand, Kankar
18	226	246	M	Clay Kankar
19	246	270	M	Med. Sand, Kankar
20	270	278	M	Clay Kankar

ABSTRACT			
1	Type of Rig Machine	->	DC/RC
2	Static Water level	->	
3	Required Discharge	->	1200 LPM
4	Bore Size (MM)	->	600 X 450
5	Assembly Size (MM)	->	300 X 150
6	Drilling Starting Date	->	13-02-2024
7	Drilling Completion Date	->	17-02-2024
8	Total Depth Of Drilling	->	280 M
9	Logging Date	->	18-02-2024
10	Logging Depth	->	274 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	49 - 61	12	All Good
2	70 - 78	8	
3	83 - 90	7	
4	100 - 123	23	
5	142 - 159	17	
6	190 - 226	36	
7	246 - 270	24	

Description	Zone-1 (246-270 M)	Zone-2 (190-226 M)	Zone-3 (171-177 M)
	Acceptable Limit/Test Result	Acceptable Limit/Test Result	Acceptable Limit/Test Result
Flouride (As F)*	1.00/0.298	1.00/0.354	1.00/0.453
Iron (As Fe)*	1.00/0.320	1.00/0.730	1.00/1.190
Total Arsenic (As As)*	0.01/005	0.01/0.009	0.01/0.012

Details of Lowered Assembly			
i)	300	MM Dia Husing Pipe	54.0 M
ii)	150	MM Dia M.S. Slotted pipe	36.0 M
iii)	150	MM Dia M.S. Plain pipe	169.0 M
iv)	300 X 150	MM Dia M.S. Reducer	0.2 M
Total			259.20 Meter
AGL			0.50 Meter
BGL			258.70 Meter
12	90 MM Dia UPVC	-	162.50 325.00 Meter
13	Date of Lowering	-	24.02.2024

Recommended & Prepared by

Checked by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

J.E  
 Divisional Office (E&M) UPJNR (R)  
 Lucknow

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

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

**ASHISH KUMAR**  
 JUNIOR ENGINEER  
 DIVISIONAL OFFICE (E&M)  
 U.P. JAL NIGAM (R)  
 LUCKNOW

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BINOURA, BLOCK- NIGHASAN, DISTT- LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 274 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 18.Feb.2024.

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:-

Location = Binoura

Mud Resistivity = 17.96 Ohms.

Latitude = 28.1436266666666°

Drilling Water Resistivity = 21.25 Ohms.

Longitude = 80.9247416666666°

Approx Water Level = 3 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Clay kankar	
3.	20 - 41	21	Medium sand	Good
4.	41 - 49	8	Clay kankar	
5.	49 - 61*	12	Medium sand	Good
6.	61 - 70	9	Clay kankar	
7.	70 - 78*	8	Medium sand	Good
8.	78 - 83	5	Clay kankar	
9.	83 - 90*	7	Medium sand	Good
10.	90 - 100	10	Clay kankar	
11.	100 - 123*	23	Medium sand & kankar	Good
12.	123 - 142	19	Clay kankar	
13.	142 - 159*	17	Medium sand	Good
14.	159 - 171	12	Clay kankar	
15.	171 - 177	6	Fine sand	Good
16.	177 - 190	13	Clay kankar	
17.	190 - 226*	36	Medium sand & kankar	Good
18.	226 - 246	20	Clay kankar	
19.	246 - 270*	24	Medium sand & kankar	Good
20.	270 - 274	4	Clay kankar	

Ground Water Survey Consultancy

