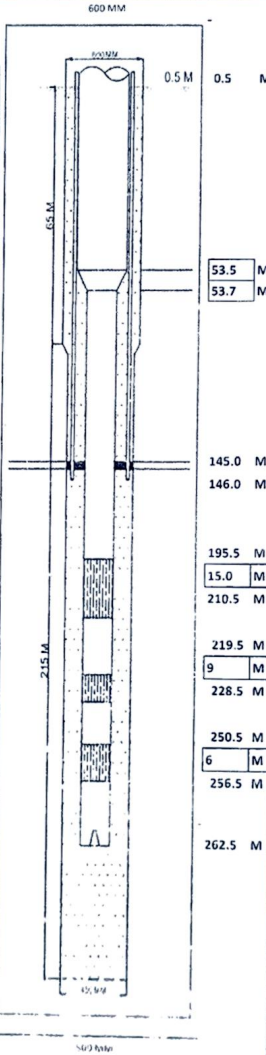


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Jamunia, Block- Nakaha, 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 :- 491/ED/Phase-2/2022-23/IVX, Dt. 03.03.2023

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

SI No	Strata			
1	0	-	5	M, Surface Soil
2	5	-	10	M, Clay Kankar
3	10	-	22	M, Medium Sand
4	22	-	50	M, Clay Kankar
5	50	-	81	M, Medium Sand
6	81	-	89	M, Clay Kankar
7	89	-	119	M, Medium Sand
8	119	-	125	M, Clay Kankar
9	125	-	140	M, Medium Sand
10	140	-	151	M, Clay Kankar
11	151	-	171	M, Medium Sand
12	171	-	178	M, Clay Kankar
13	178	-	211	M, Medium Sand
14	211	-	218	M, Clay Kankar
15	218	-	229	M, Medium Sand
16	229	-	235	M, Clay Kankar
17	235	-	240	M, Fine Sand
18	240	-	250	M, Clay Kankar
19	250	-	260	M, Medium Sand
20	260	-	265	M, Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	1350 LPM
4	Bore Size (MM)	:-	600 X 500
5	Assembly Size (MM)	:-	300 X 200
6	Drilling Starting Date	:-	07-01-2024
7	Drilling Completion Date	:-	11-01-2024
8	Total Depth Of Drilling	:-	280 M
9	Logging Date	:-	12-01-2024
10	Logging Depth	:-	265 M

Logging Report				
SI No	Depth (mbgl)		Thickness (m)	Remarks
1	50	-	81	31
2	89	-	119	30
3	125	-	140	15
4	151	-	171	20
5	178	-	211	33
6	218	-	229	11
7	250	-	260	10

All Good

Description	Zone-1	Zone-2	Zone-3
	(218-229 M)	(178-211 M)	(151-171 M)
	Acceptable Limit/Test Result	Acceptable Limit/Test Result	Acceptable Limit/Test Result
Flouride (As F)*	1.00/0.987	1.00/1.230	1.00/1.560
Iron (As Fe)*	1.00/0.460	1.00/0.670	1.00/1.890
Total Arsenic (As As)*	0.01/0.005	0.01/0.008	0.01/0.012

145.0 M
146.0 M

195.5 M
15.0 M
210.5 M

219.5 M
9 M
228.5 M

250.5 M
6 M
256.5 M

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	34.0 M
ii)	200	MM Dia M.S Slotted pipe	30.0 M
iii)	200	MM Dia. M.S Plain pipe	178.0 M
iv)	300 X 200	MM Dia M.S Reducer	0.2 M
Total			262.2 M
AGL			0.30 Meter
BGL			262.50 Meter
12	90 MM Dia UPVC	147.50	249.00 Meter
13	Date of Lowering		11-03-2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S NCC Ltd

M/S Ceinsys Tech Ltd

Divisional Office (E&M) UPINR (R)
Lucknow

4 L
1301, Division UP Jal Nigam (R)
Lucknow

6 E
1301, Division U.P. Jal Nigam (R)
Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- JAMUNIYA, BLOCK- NAKAHA, DISTT-LAKHIMPUR KHIRI

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 265 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 12.Jan.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:-

Mud Resistivity = 10.19 Ohms.

Drilling Water Resistivity = 18.19 Ohms.

Approx Water Level = 2 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.	10 - 22	12	Medium sand	
4.	22 - 50	28	Clay kankar	
5.	50 - 81*	31	Medium sand	Good
6.	81 - 89	8	Clay kankar	
7.	89 - 119*	30	Medium sand	Good
8.	119 - 125	6	Clay kankar	
9.	125 - 140*	15	Medium sand	Good
10.	140 - 151	11	Clay kankar	
11.	151 - 171*	20	Medium sand	Good
12.	171 - 178	7	Clay kankar	
13.	178 - 211*	33	Medium sand	Good
14.	211 - 218	7	Clay kankar	
15.	218 - 229*	11	Medium sand	Good
16.	229 - 235	6	Clay kankar	
17.	235 - 240	5	Fine sand	Good
18.	240 - 250	10	Clay kankar	
19.	250 - 260*	10	Medium sand	Good
20.	260 - 265	5	Clay kankar	

Ground Water Survey Consultancy

