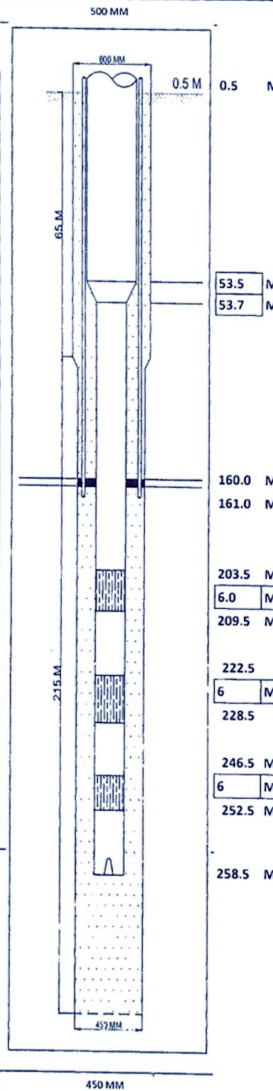


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Bhagwant Nagar, Block- Palla, 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 :- 816/ED/Phase-2/2023-24/XIX, Dt. 11.05.2023

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

Sl No	Strata		
1	0	5	M, Surface Soil
2	5	20	M, Medium Sand
3	20	35	M, Clay Kankar
4	35	40	M, Medium Sand
5	40	50	M, Clay Kankar
6	50	62	M, Medium Sand
7	62	70	M, Clay Kankar
8	70	80	M, Medium Sand
9	80	84	M, Clay Kankar
10	84	91	M, Medium Sand
11	91	99	M, Clay Kankar
12	99	112	M, Medium Sand
13	112	118	M, Clay Kankar
14	118	125	M, Medium Sand
15	125	130	M, Clay Kankar
16	130	133	M, Fine to Med. Sand
17	133	136	M, Clay Kankar
18	136	143	M, Medium Sand
19	143	150	M, Clay Kankar
20	150	159	M, Medium Sand
21	159	176	M, Clay Kankar
22	176	188	M, Medium Sand
23	188	280	M, Clay Kankar
24	195	210	M, Med. Sand, Kankar
25	210	216	M, Clay Kankar
26	216	220	M, Fine to Med. Sand
27	220	222	M, Clay Kankar
28	222	229	M, Medium Sand
29	229	232	M, Clay Kankar
30	232	235	M, Fine to Med. Sand
31	235	246	M, Clay Kankar
32	246	260	M, Medium Sand
33	260	280	M, Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	350 LPM
4	Bore Size (MM)	:-	500 X 450
5	Assembly Size (MM)	:-	200 X 150
6	Drilling Starting Date	:-	08-01-2024
7	Drilling Completion Date	:-	12-01-2024
8	Total Depth Of Drilling	:-	280 M
9	Logging Date	:-	13-01-2024
10	Logging Depth	:-	260 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	50 - 62	12	All Good
2	70 - 80	10	
3	84 - 91	7	
4	99 - 112	13	
5	118 - 125	7	
6	136 - 143	7	
7	150 - 159	9	
8	176 - 188	12	
	195 - 210	15	
	216 - 220	4	
	222 - 229	7	
	246 - 260	14	

Description	Zone-1	Zone-2	Zone-3
	(246-260 M)	(195-210 M)	(176-188 M)
	Acceptable Limit/Test Result	Acceptable Limit/Test Result	Acceptable Limit/Test Result
Flouride (As F)*	1.00/0.852	1.00/0.918	1.00/0.982
Iron (As Fe)*	1.00/0.720	1.00/0.850	1.00/1.180
Total Arsenic (As As)*	0.01/0.006	0.01/0.009	0.01/0.013

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	54.0 M
ii)	150	MM Dia M. S. Slotted pipe	18.0 M
iii)	150	MM Dia M. S. Plain pipe	186.8 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
		Total	259.00 Meter
		AGL	0.50 Meter
		BGL	258.50 Meter
12	90 MM Dia UPVC	:-	162.50 325.00 Meter
13	Date of Lowering	:-	09.03.2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

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

13th Division UP Jal Nigam (R)
Lucknow

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REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- BHAGWANT NAGAR ZONE -2, BLOCK- PALIA, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 260 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 13.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:-

Location = Bhagwant Nagar Zone- 2

Mud Resistivity = 16.32 Ohms.

Latitude = 28.3657683333335°

Drilling Water Resistivity = 17.66 Ohms.

Longitude = 80.712465000001°

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Medium sand	
3.	20 - 35	15	Clay kankar	
4.	35 - 40	5	Medium sand	Good
5.	40 - 50	10	Clay kankar	
6.	50 - 62*	12	Medium sand	Good
7.	62 - 70	8	Clay kankar	
8.	70 - 80*	10	Medium sand	Good
9.	80 - 84	4	Clay kankar	
10.	84 - 91*	7	Medium sand	Good
11.	91 - 99	8	Clay kankar	
12.	99 - 112*	13	Medium sand	Good
13.	112 - 118	6	Clay kankar	
14.	118 - 125*	7	Medium sand	Good
15.	125 - 130	5	Clay kankar	
16.	130 - 133	3	Fine to Medium sand	Good
17.	133 - 136	3	Clay kankar	
18.	136 - 143*	7	Medium sand	Good
19.	143 - 150	7	Clay kankar	
20.	150 - 159*	9	Medium sand	Good
21.	159 - 176	17	Clay kankar	
22.	176 - 188*	12	Medium sand	Good
23.	188 - 195	7	Clay kankar	
24.	195 - 210*	15	Medium sand & kankar	Good
25.	210 - 216	6	Clay kankar	
26.	216 - 220*	4	Fine to Medium sand	Good
27.	220 - 222	2	Clay kankar	
28.	222 - 229*	7	Medium sand	Good
29.	229 - 232	3	Clay kankar	
30.	232 - 235	3	Fine to Medium sand	Good
31.	235 - 246	11	Clay kankar	
32.	246 - 260*	14	Medium sand	Good

Ground Water Survey Consultancy

