

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Garosa, 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 :- 492/ED/Phase-2/2022-23/XIII, Dt. 03.03.2023

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

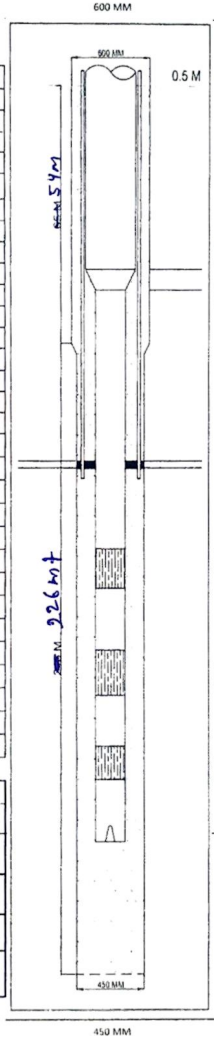
SI No	0	5	M	Strata	Surface Soil
1	0	5	M	Surface Soil	Surface Soil
2	5	10	M	Clay Kankar	Clay Kankar
3	10	18	M	Fine to Med. Sand	Fine to Med. Sand
4	18	22	M	Clay Kankar	Clay Kankar
5	22	32	M	Fine to Med. Sand	Fine to Med. Sand
6	32	43	M	Clay Kankar	Clay Kankar
7	43	50	M	Medium Sand	Medium Sand
8	50	56	M	Clay Kankar	Clay Kankar
9	56	74	M	Medium Sand	Medium Sand
10	74	81	M	Clay Kankar	Clay Kankar
11	81	87	M	Medium Sand	Medium Sand
12	87	102	M	Clay Kankar	Clay Kankar
13	102	116	M	Medium Sand	Medium Sand
14	116	124	M	Clay Kankar	Clay Kankar
15	124	133	M	Medium Sand	Medium Sand
16	133	148	M	Clay Kankar	Clay Kankar
17	148	151	M	Fine to Med. Sand	Fine to Med. Sand
18	151	155	M	Clay Kankar	Clay Kankar
19	155	160	M	Medium Sand	Medium Sand
20	160	165	M	Clay Kankar	Clay Kankar
21	165	170	M	Medium Sand	Medium Sand
22	170	175	M	Clay Kankar	Clay Kankar
23	175	182	M	Medium Sand	Medium Sand
24	182	196	M	Clay Kankar	Clay Kankar
25	196	207	M	Fine to Med. Sand	Fine to Med. Sand
26	207	214	M	Clay Kankar	Clay Kankar
27	214	225	M	Medium Sand	Medium Sand
28	225	232	M	Clay Kankar	Clay Kankar
29	232	240	M	Medium Sand	Medium Sand
30	240	240	M	Clay Kankar	Clay Kankar

ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	1170 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	300 X 150
6	Drilling Starting Date	:-	28-12-2023
7	Drilling Completion Date	:-	01-01-2024
8	Total Depth Of Drilling	:-	260 M
9	Logging Date	:-	02-01-2024
10	Logging Depth	:-	260 M

Logging Report			
SI No	Depth (mbgl)	Thickness (m)	Remarks
1	56 - 74	18	All Good
2	81 - 87	6	
3	102 - 116	14	
4	124 - 133	9	
5	155 - 160	5	
6	165 - 170	5	
7	175 - 182	7	
8	196 - 207	11	
9	214 - 225	11	
10	232 - 240	8	

Description	Zone-1	Zone-2	Zone-3
	(214-225 M)	(196-207 M)	(175-182 M)
	Acceptable Limit/Test Result	Acceptable Limit/Test Result	Acceptable Limit/Test Result
Flouride (As F)*	1.00/0.846	1.00/0.952	1.00/1.360
Iron (As Fe)*	1.00/0.620	1.00/0.820	1.00/1.210
Total Arsenic (As As)*	0.01/0.005	0.01/0.008	0.01/0.013

Details of Lowered Assembly			
11	300	MM Dia Housing Pipe	48 M
12	150	MM Dia M. S. Slotted pipe	28 M
13	150	MM Dia M. S. Plain pipe	170 M
14	300 X 150	MM Dia M S Reducer	0.2 M
		Total	246.50 Meter
		AGL	0.50 Meter
		BGL	246.00 Meter
12	90 MM Dia UPVC	154.50	309.00 Meter
13	Date of Lowering	:-	02-02-2024



Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S NCC Ltd

M/S. Ceinsys Tech Ltd.

13th Division UP Jal Nigam (R)
Lucknow

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Lucknow

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

VIKAS KUMAR
 JUNIOR ENGINEER
 DIVISIONAL OFFICE (C&M)
 U.P. JAL NIGAM (R)
 LUCKNOW

REPORT ON GEOPHYSICAL WELL LOGGING

AT

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

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 260 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 02.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 = 19.29 Ohms.

Drilling Water Resistivity = 20.47 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 - 18	8	Fine to Medium sand	
4.	18 - 22	4	Clay kankar	
5.	22 - 32	10	Fine to Medium sand	Good
6.	32 - 43	11	Clay kankar	
7.	43 - 50	7	Medium sand	Good
8.	50 - 56	6	Clay kankar	
9.	56 - 74*	18	Medium sand	Good
10.	74 - 81	7	Clay kankar	
11.	81 - 87*	6	Medium sand	Good
12.	87 - 102	15	Clay kankar	
13.	102 - 116*	14	Medium sand	Good
14.	116 - 124	8	Clay kankar	
15.	124 - 133*	9	Medium sand	Good
16.	133 - 148	15	Clay kankar	
17.	148 - 151	3	Fine to Medium sand	Good
18.	151 - 155	4	Clay kankar	
19.	155 - 160*	5	Fine to Medium sand	Good
20.	160 - 165	5	Clay kankar	
21.	165 - 170*	5	Medium sand	Good
22.	170 - 175	5	Clay kankar	
23.	175 - 182*	7	Medium sand	Good
24.	182 - 196	14	Clay kankar	
25.	196 - 207*	11	Medium sand & kankar	Good
26.	207 - 214	7	Clay kankar	
27.	214 - 225*	11	Medium sand	Good
28.	225 - 232	7	Clay kankar	
29.	232 - 240	8	Fine sand	Good
30.	240 - 260	20	Clay kankar	

Ground Water Survey Consultancy

Agra

