

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Singahi Khurd Zone-2 Block- Phool Behar, 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

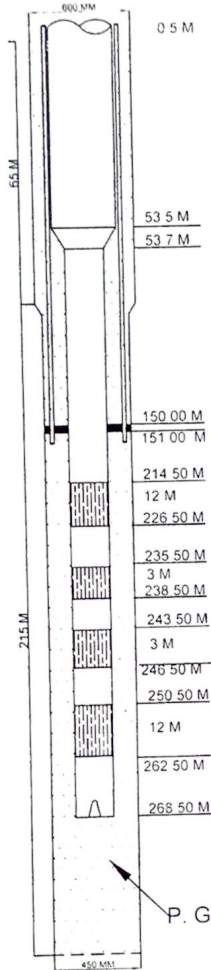
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 816/ED/Phase-2/2023-24/XIX, Dt. 11.05.2023

Lowered Assembly Chart of T. W of G.P. Singahi Khurd Zone-2 W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M Surface Clay
5-12 M Clay Kankar
12-28 M Fine to Med Sand
28-37 M Clay Kankar
37-40 M Fine to Med Sand
40-42 M Clay Kankar
42-72 M Med Sand
72-80 M Clay Kankar
80-93 M, Medium Sand
93-100 M, Clay Kankar
100-132M Fine to Med Sand
132-140 M Clay Kankar
140-144 M Med Sand
144-150 M Clay Kankar
150-153 M Fine to Med Sand
153-170 M Clay Kankar
170-180 M, Medium Sand
180-187 M, Clay Kankar
187-207 M Med Sand.Kankar
207-214 M Clay Kankar
214-227 M Fine to Med Sand.
227-235 M Clay Kankar
235-239 M Fine to Med Sand.
239-243 M Clay Kankar
243-247 M, Med Sand
247-250 M Clay Kankar
250-263 M, Medium Sand
263-273 M Clay Kankar
273-277 M Fine to Med Sand
277-282 M Clay Kankar
282-288 M, Med Sand.
288-290 M, Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 1100 LPM
4	Bore Size (MM)	- 600x450
5	Assembly Size (MM)	- 300 x150
6	Drilling Starting Date	- 25 12 2023
7	Drilling Completion Date	- 29 12 2023
8	Total Depth Of Drilling	- 290 M
9	Logging Date	- 30 12 2023
10	Logging Depth	- 290 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	80-93	13	Fine to Medium Sand (Good All)
2	100-132	32	
3	140-144	04	
4	170-180	10	
5	187-207	20	
6	214-227	13	
7	235-239	04	
8	243-247	04	
9	250-2630	13	
10	273-277	04	
11	282-288	06	

Sr No	Description	Zone-1 (250-263 M)	Zone-2 (214-227 M)	Zone-3 (167-207 M)
1	Fluoride (as F ⁻)	1.00 / 0.592	1.00 / 0.632	1.00 / 0.674
2	Iron (As Fe ⁺)	1.00 / 0.560	1.00 / 0.750	1.00 / 1.030
3	Total Arsenic (As As)	0.01 / 0.007	0.01 / 0.009	0.01 / 0.011

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	- 54.00 Meter
ii) 150 mm Dia M S Slotted pipe	- 30.00 Meter
iii) 150 mm Dia M S Plain pipe	- 184.80 Meter
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter
Total	- 269.00 Meter
AGI	- 00.50 Meter
BGL	- 268.50 Meter
12. 90mm dia uPVC	- 152.5x2=305 Meter
13 Date of Lowering	- 21.01.2024


Recommended & Prepared by

M/S NCC Ltd

Verified by


M/S Ceinsys Tech Ltd.

Recommended by


Division Office (E/M)
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REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- SINGAHI KHURD ZONE- 2, BLOCK- PALIYA, DISTT-LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 290 mtrs. depth. and Logged depth 290 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 30.Dec.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:-

Location = Singahi Khurd Zone- 2

Mud Resistivity = 21.33 Ohms.

Latitude = 28.578709°

Drilling Water Resistivity = 22.41 Ohms.

Longitude = 80.441181°

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 28	16	Fine to Medium sand	Good
4.	28 - 37	9	Clay kankar	
5.	37 - 40	3	Fine to Medium sand	Good
6.	40 - 42	2	Clay kankar	
7.	42 - 72	30	Medium sand	Good
8.	72 - 80	8	Clay kankar	
9.	80 - 93*	13	Medium sand	Good
10.	93 - 100	7	Clay kankar	
11.	100 - 132*	32	Medium sand & kankar	Good
12.	132 - 140	8	Clay kankar	
13.	140 - 144*	4	Medium sand	Good
14.	144 - 150	6	Clay kankar	
15.	150 - 153	3	Fine to Medium sand	Good
16.	153 - 170	17	Clay kankar	
17.	170 - 180*	10	Medium sand	Good
18.	180 - 187	7	Clay kankar	
19.	187 - 207*	20	Medium sand & kankar	Good
20.	207 - 214	7	Clay kankar	
21.	214 - 227*	13	Fine to Medium sand	Good
22.	227 - 235	8	Clay kankar	
23.	235 - 239*	4	Fine to Medium sand	Good
24.	239 - 243	4	Clay kankar	
25.	243 - 247*	4	Medium sand	Good
26.	247 - 250	3	Clay kankar	
27.	250 - 263*	13	Medium sand	Good
28.	263 - 273	10	Clay kankar	
29.	273 - 277*	4	Fine to Medium sand	Good
30.	277 - 282	5	Clay kankar	
31.	282 - 288*	6	Medium sand	Good
32.	288 - 290	2	Clay kankar	

Ground Water Survey Consultancy

