

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Sujapur Zone-3 Block- Ramia 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

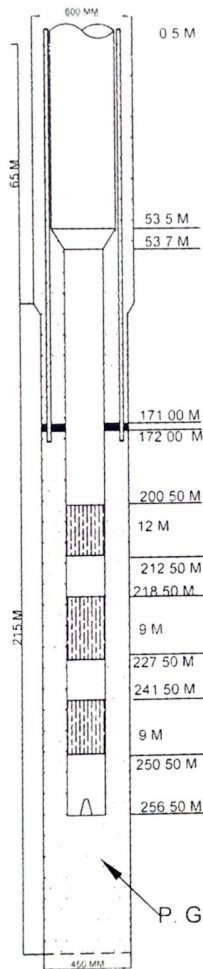
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 803/ED/Phase-2/2023-24/XVIII, Dt. 08.05.2023

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

Strata

0-5 M Surface soil
5-10 M Clay Kankar
10-25 M Med Sand
25-30 M Clay Kankar
30-35 M Fine Sand
35-44 M Clay Kankar
44-75 M Med Sand,Kankar
75-80 M Clay Kankar
80-102 M Med Sand
102-108 M Clay Kankar
108-127 M Med Sand
127-133 M Clay Kankar
133-140 M Medium Sand
140-146 M Clay Kankar
146-156 M Med Sand
156-160 M Clay Kankar
160-169 M Med Sand
169-180 M Clay Kankar
180-230 M Med Sand,
230-240 M Clay Kankar
240-251 M Med Sand,
251-256 M Clay Kankar
256-263 M Med Sand,
263-268 M Clay Kankar
268-273 M Med Sand,
273-280 M Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 1270 LPM
4	Bore Size (MM)	- 600x500
5	Assembly Size (MM)	- 300 x 200
6	Drilling Starting Date	- 20 12 2023
7	Drilling Completion Date	- 24 12 2023
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 25 12 2023
10	Logging Depth	- 280 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	44-75	31	Fine to Medium Sand (Good All)
2	80-102	22	
3	108-127	19	
4	140-146	06	
5	160-169	09	
6	180-230	50	
7	240-251	11	
4	256-263	07	
5	268-273	05	

Sr No	Description	Zone-1 (240-251 M)	Zone-2 (180-230 M)	Zone-3 (160-169 M)
1	Fluonde (as F) ⁺	1.00 / 0.503	1.00 / 0.539	1.00 / 1.090
2	Iron (As Fe) ⁺	1.00 / 0.199	1.00 / 0.290	1.00 / 0.420
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.008	0.01 / 0.010

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	- 172.80 Meter
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter
Total	- 257.00 Meter
AGI	- 00.50 Meter
BGL	- 256.50 Meter
12 90mm dia uPVC	- 173.5x2=347 Meter
13 Date of Lowering	- 10 01 2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S NCC Ltd.

M/S Ceinsys Tech Ltd.

[Signature]
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REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- SUJANPUR ZONE -3, BLOCK- RAMIYABEHAD, DISTT-LAKHIMPUR KHIRI

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 280 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 25.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:-

Mud Resistivity = 20.43 Ohms.

Drilling Water Resistivity = 21.69 Ohms.

Approx Water Level = 5 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 - 25	15	Medium sand	Good
4.	25 - 30	5	Clay kankar	
5.	30 - 35	5	Fine sand	Good
6.	35 - 44	9	Clay kankar	
7.	44 - 75*	31	Medium sand & kankar	Good
8.	75 - 80	5	Clay kankar	
9.	80 - 102*	22	Medium sand	Good
10.	102 - 108	6	Clay kankar	
11.	108 - 127*	19	Medium sand	Good
12.	127 - 133	6	Clay kankar	
13.	133 - 140*	7	Medium sand	Good
14.	140 - 146	6	Clay kankar	
15.	146 - 156*	10	Medium sand	Good
16.	156 - 160	4	Clay kankar	
17.	160 - 169*	9	Medium sand	Good
18.	169 - 180	11	Clay kankar	
19.	180 - 230*	50	Medium sand	Good
20.	230 - 240	10	Clay kankar	
21.	240 - 251*	11	Medium sand	Good
22.	251 - 256	5	Clay kankar	
23.	256 - 263*	7	Medium sand	Good
24.	263 - 268	5	Clay kankar	
25.	268 - 273*	15	Medium sand	Good
26.	273 - 280	7	Clay kankar	

Ground Water Survey Consultancy

