

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. of Jungal Matera Zone-2 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

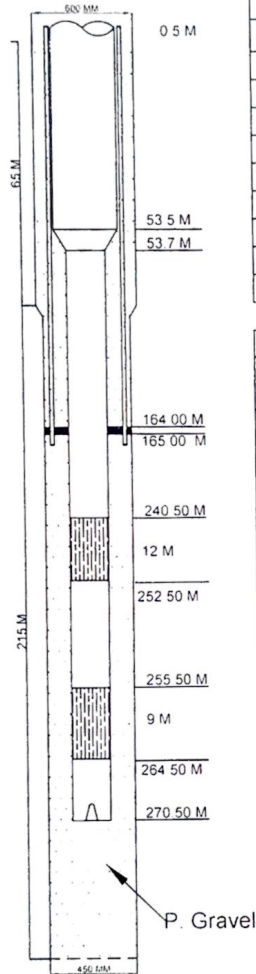
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 200/ED/2021-22/III Dt. 30 November, 2021

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

Strata

0-5 M. Surface Clay
5-8 M. Clay Kankar
8-16 M Fine to Med. Sand
16-27 M. Clay Kankar
27-35 M Fine to Med Sand
35-51 M. Clay Kankar
51-61 M. Med Sand
61-71 M. Clay Kankar
71-90 M. Medium Sand
90-99 M. Clay Kankar
99-112M.Fine to Med. Sand
112-130 M. Clay Kankar
130-133 M Fine to Med Sand
133-138 M Clay Kankar
138-145 M. Med Sand
145-151 M Clay Kankar
151-163 M. Medium Sand
163-170 M. Clay Kankar
170-180 M Med Sand Kankar
180-190 M Clay Kankar
190-217 M. Med Sand,
217-220 M. Clay Kankar
220-230 M. Med Sand.
230-240 M. Clay Kankar
240-270 M Med Sand Kankar
270-280 M Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 650 LPM
4	Bore Size (MM)	- 600x450
5	Assembly Size (MM)	- 300 x 150
6	Drilling Starting Date	- 10 01 2024
7	Drilling Completion Date	- 14 01 2024
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 15 01 2024
10	Logging Depth	- 280 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	51-61	10	Fine to Medium Sand (Good All)
2	71-90	19	
3	99-112	13	
4	138-145	07	
5	151-163	12	
6	170-180	10	
7	190-217	27	
8	220-230	10	
9	240-270	30	

Sr No	Description	Zone 1 (0-270 M)	Zone 2 (270-750 M)	Zone 3 (150-217 M)
1	Fluoride (As F)	1.00 / 0.394	1.00 / 0.422	1.00 / 0.452
2	Iron (As Fe)	1.00 / 0.210	1.00 / 0.410	1.00 / 0.670
3	Total Arsenic (As As)	0.01 / 0.005	0.01 / 0.010	0.01 / 0.014

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	- 54.00 Meter
ii) 150 mm Dia M S Slotted pipe	- 21.00 Meter
iii) 150 mm Dia M S Plain pipe	- 195.80 Meter
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter
Total	- 271.00 Meter
AGI	- 00.50 Meter
BGL	- 270.50 Meter
12 90mm dia uPVC	- 166.5x2=333 Meter
13 Date of Lowering	- 23 01 2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

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REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- JUNGAL MATERA ZONE -2, BLOCK- RAMIYABEHAR,
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 15.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 = Jungal Matera Zone -2

Mud Resistivity = 12.88 Ohms.

Latitude = 28.11086000000002°

Drilling Water Resistivity = 22.36 Ohms.

Longitude = 81.19361166666665°

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kanakr	
3.	8 - 16	8	Fine to Medium sand	Good
4.	16 - 27	11	Clay kankar	
5.	27 - 35	8	Fine to Medium sand	Good
6.	35 - 51	16	Clay kankar	
7.	51 - 61*	10	Medium sand	Good
8.	61 - 71	10	Clay kankar	
9.	71 - 90*	19	Medium sand	Good
10.	90 - 99	9	Clay kankar	
11.	99 - 112*	13	Medium sand	Good
12.	112 - 130	18	Clay kankar	
13.	130 - 133	3	Fine to Medium sand	Good
14.	133 - 138	5	Clay kankar	
15.	138 - 145*	7	Medium sand	Good
16.	145 - 151	6	Clay kankar	
17.	151 - 163*	12	Medium sand	Good
18.	163 - 170	7	Clay kankar	
19.	170 - 180*	10	Fine to Medium sand	Good
20.	180 - 190	10	Clay kankar	
21.	190 - 217*	27	Medium sand	Good
22.	217 - 220	3	Clay kankar	
23.	220 - 230*	10	Medium sand	Good
24.	230 - 240	10	Clay kankar	
25.	240 - 270*	30	Medium sand & kankar	Good
26.	270 - 280	10	Clay kankar	

Ground Water Survey Consultancy

