

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Rehaawa, Block- Pooal beher, District, Lakhimpur Kheri.

Name Of Program :- J. J. T-2

Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)

Name Of Contractor :- M/S NCC Limited

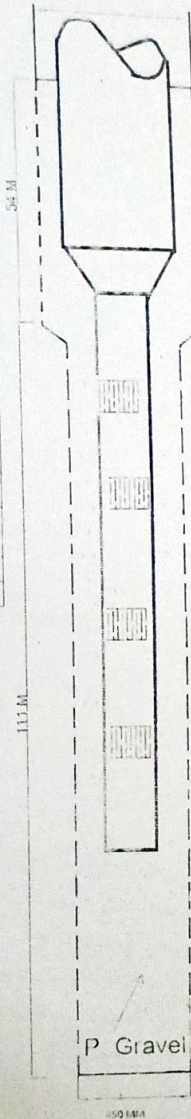
Name Of TP) :- Ceinsys Tech Limited

Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021

Cover Agreement :- 465/ED/Phase-2/2022-23/XII, Dt. 27.02.2023

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

Strata		
0	5	M. Surface Soil
5	10	M. Fine Sand
10	12	M. Clay Kankar
12	19	M. Fine Sand
19	25	M. Clay Kankar
25	36	M. Fine to Medium Sand
36	41	M. Clay Kankar
41	50	M. Medium Sand
50	55	M. Clay Kankar
55	65	M. Medium Sand
65	69	M. Clay Kankar
69	75	M. Medium Sand
75	79	M. Clay Kankar
79	87	M. Medium Sand
87	95	M. Clay Kankar
95	105	M. Medium Sand
105	112	M. Clay Kankar
112	135	M. Medium Sand
135	138	M. Clay Kankar
138	149	M. Medium Sand
149	155	M. Clay Kankar
155	160	M. Kankar
160	165	M. Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	1030 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	300 X 150
6	Drilling Starting Date	:-	09-03-2023
7	Drilling Completion Date	:-	13-03-2023
8	Total Depth Of Drilling	:-	165 M
9	Logging Date	:-	14-03-2023
10	Logging Depth	:-	165 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	55 - 65	5	(Good All)
2	69 - 75	5	
3	79 - 87	2	
4	95 - 105	7	
5	112 - 135	6	
6	138 - 149	11	
7		5	
8		9	
9		5	
10		10	
11		4	
12		6	
13		4	
14		8	
15		8	
16		10	
17		7	
18		23	
19		3	
20		11	
21		6	
22		5	
23		5	

11 Details of Lowered Assembly			
i)	300	M/M Dia Housing Pipe	48 M
ii)	150	M/M Dia M. S. Slotted pipe	30 M
iii)	150	M/M Dia M. S. Plain pipe	60 M
iv)	300 X 150	M/M Dia M S Reducer	0.2 M
Total			138.20 Meter
AGL			0.50 Meter
BGL			137.70 Meter
12	Date of Lowering	15-03-2023	

Recommended & Prepared by: M/S. NCC Ltd.

Verified by: ASHISH KUMAR JUNIOR ENGINEER DIVISIONAL OFFICE (E&M) U.P. JAL NIGAM (R) LUCKNOW

Recommended by: Vinod Kumar Assistant Engineer (E&M) Divisional Office (E&M) U.P. Jal Nigam (R) Lucknow

Approved by: E.E. 13th Division U.P. Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

PANCHAYAT REHAUWA, BLOCK - PHOOLBHAD, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs depth and Logged depth ~~165~~ mtrs at above site. Was drilled by M/s NCC, Lakhimpur Khiri

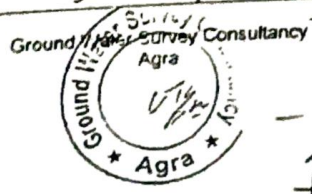
On the request of M/s NCC, Lakhimpur Khiri a Geophysical well Logging in the above bore hole using IGIS Well Logger on 14 Mar 2023

Logging Parameters - 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 = 25.78 Ohms
Drilling Water Resistivity = 26.89 Ohms.
Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 12	2	Clay kankar	
4.	12 - 19	7	Fine sand	
5.	19 - 25	6	Clay kankar	
6.	25 - 36	11	Fine to Medium sand	Good
7.	36 - 41	5	Clay kankar	
8.	41 - 50*	9	Medium sand	Good
9.	50 - 55	5	Clay kankar	
10.	55 - 65*	10	Medium sand	Good
11.	65 - 69	4	Clay kankar	
12.	69 - 75*	6	Medium sand	Good
13.	75 - 79	4	Clay kankar	
14.	79 - 87*	8	Medium sand	Good
15.	87 - 95	8	Clay kankar	
16.	95 - 105*	10	Medium sand	Good
17.	105 - 112	7	Clay kankar	
18.	112 - 135*	23	Medium sand	Good
19.	135 - 138	3	Clay kankar	
20.	138 - 149*	11	Medium sand	Good
21.	149 - 155	3	Clay kankar	
22.	155 - 160	5	Kankar	
23.	160 - 165	5	Clay kankar	

Sr No 14-80-87
(7m)
GSh
15/03/22



Logging performed as per SWM guidelines. Groundwater quality interpreted by firm as their logger calibration

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VISIC
U.P.