

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. SHAHPUR, Block- Bijua, District, Lakhimpur Kheri. *Zare*

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

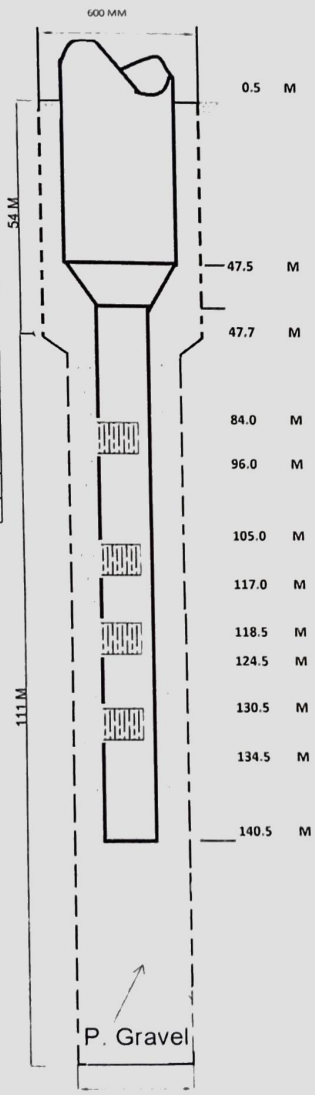
Name Of TPI :- Ceinsys Tech Limited

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

Cover Agreement :- 711/ED/Phase-2/2023-24/XVII, Dt. 05.04.2023

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

Strata		
0 - 5	M	Surface Soil
5 - 20	M	Clay Kankar
20 - 24	M	Fine to medium Sand
24 - 36	M	Clay Kankar
36 - 40	M	Fine Sand
40 - 45	M	Clay Kankar
45 - 56	M	Medium Sand
56 - 67	M	Clay Kankar
67 - 73	M	Fine to Medium Sand
73 - 84	M	Clay Kankar
84 - 96	M	Medium Sand
96 - 104	M	Clay Kankar
104 - 125	M	Medium Sand
125 - 130	M	Clay Kankar
130 - 135	M	Medium Sand
135 - 142	M	Clay Kankar
142 - 158	M	Medium Sand
158 - 165	M	Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	1100 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	300 X 150
6	Drilling Starting Date	:-	22-05-2023
7	Drilling Completion Date	:-	26-05-2023
8	Total Depth Of Drilling	:-	165 M
9	Logging Date	:-	27-05-2023
10	Logging Depth	:-	160 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	0 - 5	5	(Good All)
2	5 - 20	15	
3	20 - 24	4	
4	24 - 36	12	
5	36 - 40	4	
6	40 - 45	5	
7	45 - 56	11	
8	56 - 67	11	
9	67 - 73	6	
10	73 - 84	11	
11	84 - 96	12	
12	96 - 104	8	
13	104 - 125	21	
14	125 - 130	5	
15	130 - 135	5	
16	135 - 142	7	
17	142 - 158	16	
18	158 - 165	7	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	46.0 M
ii)	150	MM Dia M.S Slotted pipe	34.0 M
iii)	150	MM Dia M.S Plain pipe	58.8 M
iv)	300 X 150	MM Dia M.S Reducer	0.2 M
Total			141.00 Meter
AGL			0.50 Meter
BGL			140.50 Meter
12	Date of Lowering		28-05-2023

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

Verified by: M/S. Ceinsys Tech Ltd.

Recommended by: J.E. Ashish Kumar, 13th Division UP Jal Nigam (R) Lucknow

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHAHPUR, BLOCK- BIJUA, 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 27.May.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 = ~~23.39~~ Ohms.

Drilling Water Resistivity = ~~24.66~~ 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 - 15	10	Clay kankar	
3.	15 - 20	5	Fine sand	
4.	20 - 28	8	Clay kankar	
5.	28 - 45	17	Medium sand	Good
6.	45 - 52	7	Clay kankar	
7.	52 - 77*	25	Medium sand & kankar	Good
8.	77 - 84	7	Clay kankar	
9.	84 - 91*	7	Medium sand	Good
10.	91 - 96	5	Clay kankar	
11.	96 - 100*	4	Fine to Medium sand	Good
12.	100 - 105	5	Clay kankar	
13.	105 - 125*	20	Medium sand & kankar	Good
14.	125 - 129	4	Clay kankar	
15.	129 - 131	2	Fine sand	Good
16.	131 - 144	13	Clay kankar	
17.	144 - 158*	14	Medium sand	Good
18.	158 - 165	7	Clay kankar	

SrNO7- 52-59 (7m)

65-72 (17m)

SrNO9- 85-91

(6m)

Ground Water Survey Consultancy
Agra



- Logging performed as per
SWSM guidelines
- Groundwater quality
interpreted by firm
as per their logger
calibration / g.s.h
27/05/23.