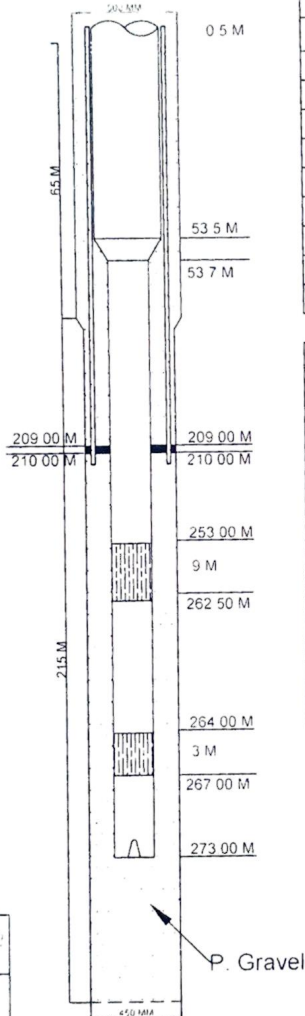


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Mudia Block-Ishanagar, 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 :- 492/ED/Phase-2/2022-23/XIII, Dt. 03.03.2023
Lowered Assembly Chart of T. W. of G.P. of Mudia W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M	Surface soil
5-12 M	Clay Kankar
12-20 M	Fine to Med Sand
20-26 M	Clay Kankar
26-40 M	Fine to Med Sand
40-48 M	Clay kankar
48-70 M	Med Sand Kankar
70-78 M	Clay Kankar
78-90 M	Medium Sand
90-102 M	Clay Kankar
102-120 M	Medium Sand
120-130 M	Clay Kankar
130-142 M	Fine to Med Sand
142-173 M	Clay Kankar
173-208 M	Medium Sand
208-213 M	Clay Kankar
213-250 M	Medium Sand
250-252 M	Clay Kankar
252-270 M	Medium Sand
270-274 M	Clay Kankar



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 300 LPM
4	Bore Size (MM) - 500x450
5	Assembly Size (MM) - 200 x 150
6	Drilling Starting Date - 27 01 2024
7	Drilling Completion Date - 01 01 2024
8	Total Depth Of Drilling - 280 M
9	Logging Date - 02 01 2024
10	Logging Depth - 274 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	48-70	22	Fine to Medium Sand (Good All)
2	78-90	12	
3	102-120	18	
4	130-142	12	
5	173-208	35	
6	213-250	37	
7	252-270	18	

11. Details of Lowered Assembly	
i)	200 mm Dia Housing Pipe - 54.00 Meter
ii)	150 mm Dia M S Slotted pipe - 12.00 Meter
iii)	150 mm Dia M S Plain pipe - 207.30 Meter
iv)	200 x 150 mm Dia M S Reducer - 0.20 Meter
	Total - 273.50 Meter
	AGI - 00.50 Meter
	BGL - 273.00 Meter
12	90mm dia uPVC - 212.5x2= 425 Meter
13	Date of Lowering - 15 01 2024

Sr No	Description	Zone 1 251-273 M	Zone 2 213-250 M	Zone 3 213-274 M
1	Fluoride (As F)	1.00 / 0.782	1.00 / 0.987	1.00 / 1.180
2	Iron (As Fe)	1.00 / 0.880	1.00 / 1.120	1.00 / 1.810
3	Total Arsenic (As As)	0.01 / 0.008	0.01 / 0.012	0.01 / 0.016

Recommended by

Approved by

Recommended & Prepared by

Verified by

M/S NCC Ltd

M/S. Ceinsys Tech Ltd.

J.E.

Division Office (E/M)
UP Jal Nigam (R)
Lucknow

A.E.

Division Office (E/M)
UP Jal Nigam (R)
Lucknow

E.E.

Division Office (E/M) UP Jal
Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- MUDIA, BLOCK- ISHANAGAR, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 274 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 02.Jan.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 = Mudia

Mud Resistivity = 19.43 Ohms.

Latitude = 27.87914333333333°

Drilling Water Resistivity = 20.55 Ohms.

Longitude = 81.14768666666667°

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kanakr	
3.	12 - 20	8	Fine to Medium sand	
4.	20 - 26	6	Clay kankar	
5.	26 - 40	14	Fine to Medium sand	Good
6.	40 - 48	8	Clay kankar	
7.	48 - 70*	22	Medium sand & kankar	Good
8.	70 - 78	8	Clay kankar	
9.	78 - 90*	12	Medium sand	Good
10.	90 - 102	12	Clay kankar	
11.	102 - 120*	18	Medium sand	Good
12.	120 - 130	10	Clay kankar	
13.	130 - 142*	12	Fine to Medium sand	Good
14.	142 - 173	31	Clay kankar	
15.	173 - 208*	35	Medium sand	Good
16.	208 - 213	5	Clay kankar	
17.	213 - 250*	37	Medium sand	Good
18.	250 - 252	2	Clay kankar	
19.	252 - 270*	18	Medium sand	Good
20.	270 - 274	4	Clay kankar	

Ground Water Survey Consultancy
Agra

