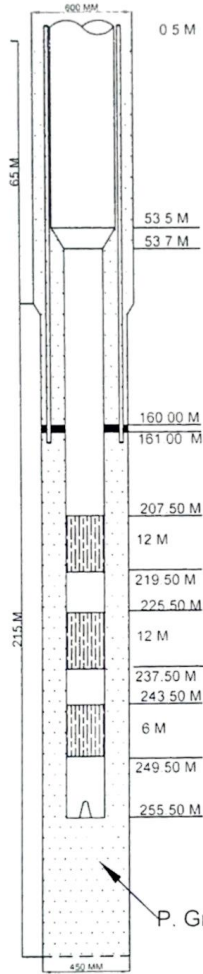


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Beriya 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 :- 464/ED/Phase-2/2022-23/XI, Dt. 27.02.2023
Lowered Assembly Chart of T. W of G.P. Beriya W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface Soil
5-16 M. Clay Kankar
16-30 M. Fine to Med. Sand
30-55 M. Clay kankar
55-80 M. Medium Sand
80-87 M. Clay Kankar
87-94 M. Medium Sand
94-120 M. Clay Kankar
120-130M. Fine to Med. Sand
130-140 M. Clay Kankar
140-156 M. Medium Sand
156-174 M. Clay Kankar
174-238 M. Medium Sand
238-242 M. Clay Kankar
242-250 M. Medium Sand
250-255 M. Clay Kankar
255-268 M. Medium Sand
268-275 M. Clay Kankar
275-280 M. Medium Sand



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 1300 LPM
4	Bore Size (MM)	- 600x500
5	Assembly Size (MM)	- 300 x 200
6	Drilling Starting Date	- 25 12 2023
7	Drilling Completion Date	- 29 12 2023
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 30 12 2023
10	Logging Depth	- 280 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	55-80	25	Fine to Medium Sand (Good All)
2	87-94	07	
3	120-130	10	
4	140-156	16	
5	174-238	64	
6	242-250	08	
7	255-268	13	

Sr No	Description	Zone-1 (174-238 M) Average and std dev	Zone-2 (140-156 M) Average and std dev	Zone-3 (120-130 M) Average and std dev
1	Fluoride (as F) ⁻	1.00 / 0.421	1.00 / 0.464	1.00 / 0.506
2	Iron (As Fe) ⁺	1.00 / 0.870	1.00 / 0.980	1.00 / 1.210
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.012	0.01 / 0.016

P. Gravel

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	- 171.80 Meter
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter
Total	- 256.00 Meter
AGI	- 00.50 Meter
BGL	- 255.50 Meter
12. 90mm dia uPVC	- 162.5x2=325 Meter
13. Date of Lowering	- 12.01 2024

Recommended
&
Prepared by

Verified by

Recommended by

Approved by

M/S NCC Ltd

M/S Ceinsys Tech Ltd.

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

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

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- BERIYA, 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 30.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:-

Location = Beriya

Mud Resistivity = 17.21 Ohms.

Latitude = 28.235347

Drilling Water Resistivity = 18.27 Ohms.

Longitude = 80.996773°

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 16	11	Clay kanakar	
3.	16 - 30	14	Fine to Medium sand	Good
4.	30 - 55	25	Clay kankar	
5.	55 - 80*	25	Medium sand	Good
6.	80 - 87	7	Clay kankar	
7.	87 - 94*	7	Medium sand	Good
8.	94 - 120	26	Clay kankar	
9.	120 - 130*	10	Fine to Medium sand	Good
10.	130 - 140	10	Clay kankar	
11.	140 - 156*	16	Medium sand	Good
12.	156 - 174	18	Clay kankar	
13.	174 - 238*	64	Medium sand	Good
14.	238 - 242	4	Clay kankar	
15.	242 - 250*	8	Medium sand	Good
16.	250 - 255	5	Clay kankar	
17.	255 - 268*	13	Medium sand	Good
18.	268 - 275	7	Clay kankar	
19.	275 - 280*	5	Medium sand	Good

Ground Water Survey Consultancy

