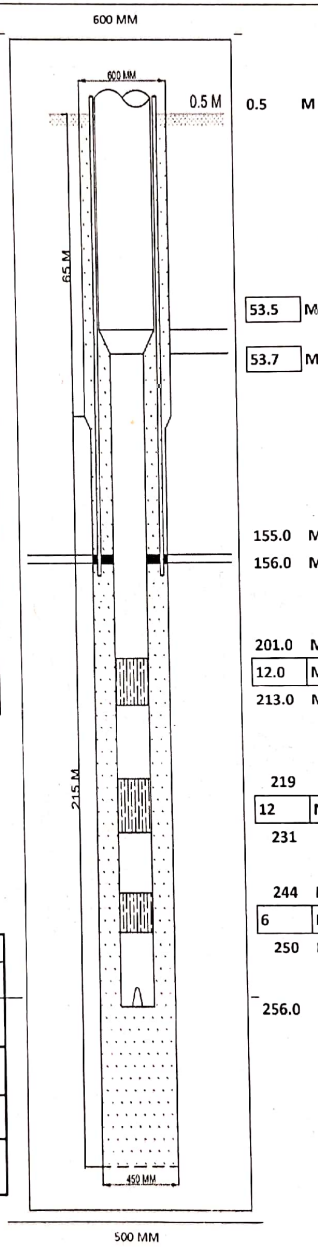


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Telyar, 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 Dt. 12.03.2021
 Cover Agreement :- 803/ED/Phase-2/2023-24/XVIII, Dt. 08.05.2023

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

SI No	Strata			
1	0	-	5	M, Surface Soil
2	5	-	20	M, Fine to Med. Sand
3	20	-	44	M, Clay Kankar
4	44	-	80	M, Medium Sand
5	80	-	85	M, Clay Kankar
6	85	-	100	M, Medium Sand
7	100	-	110	M, Clay Kankar
8	110	-	130	M, Medium Sand
9	130	-	138	M, Clay Kankar
10	138	-	145	M, Fine to Med. Sand
11	145	-	150	M, Clay Kankar
12	150	-	153	M, Fine to Med. Sand
13	153	-	160	M, Clay Kankar
14	160	-	182	M, Med. Sand, Kankar
15	182	-	193	M, Clay Kankar
16	193	-	214	M, Med. Sand, Kankar
17	214	-	219	M, Clay Kankar
18	219	-	231	M, Medium Sand
19	231	-	244	M, Clay Kankar
20	244	-	278	M, Medium Sand
21	250	-	253	M, Clay Kankar
22	253	-	279	M, Fine to Med. Sand
23	260	-	280	M, Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	1500 LPM
4	Bore Size (MM)	:-	600 X 500
5	Assembly Size (MM)	:-	300 X 200
6	Drilling Starting Date	:-	15-01-2024
7	Drilling Completion Date	:-	19-01-2024
8	Total Depth Of Drilling	:-	280 M
9	Logging Date	:-	20-01-2024
10	Logging Depth	:-	263 M

Logging Report			
SI No	Depth (mbgl)	Thickness (m)	Remarks
1	44 - 80	36	All Good
2	85 - 100	15	
3	110 - 130	20	
4	160 - 182	22	
5	193 - 214	21	
6	219 - 231	12	
7	244 - 278	34	
8	253 - 279	26	

Description	Zone-1	Zone-2	Zone-3
	(219-231 M)	(193-214 M)	(160-182 M)
Flouride (As F)*	1.00/0.562	1.00/0.652	1.00/0.764
Iron (As Fe)*	1.00/0.620	1.00/0.870	1.00/1.150
Total Arsenic (As As)*	0.01/0.07	0.01/0.010	0.01/0.014

Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	54.0 M
ii)	200	MM Dia M. S. Slotted pipe	30.0 M
iii)	200	MM Dia M. S. Plain pipe	122.3 M
iv)	300 X 200	MM Dia M S Reducer	0.2 M
		Total	256.50 Meter
		AGL	0.50 Meter
		BGL	256.00 Meter
12	90 MM Dia UPVC	157.50	315.00 Meter
13	Date of Lowering	:-	24.03.2024

Recommended & Prepared by: M/S. NCC Ltd.
 Verified by: M/S. Ceinsys Tech Ltd.
 Recommended by: M/S. NCC Limited (Signature)
 Approved by: M/S. Ceinsys Tech Ltd. (Signature)
 Divisional Office (E&M) UPJNR (R) Lucknow
 13th Division UP Jal Nigam (R) Lucknow
 13th Division U.P Jal Nigam (R) Lucknow

VIKAS KR YADAV
 JUNIOR ENGINEER
 DIVISIONAL OFFICE (E&M,
 U.P. JAL NIGAM (R)
 LUCKNOW

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- TELIYAR ZONE -2, BLOCK- RAMIYABEHAR,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 263 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 20.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 = Teliyar Zone -2

Latitude = 28.21039°

Longitude = 81.04033316666666°

Mud Resistivity = 12.12 Ohms.

Drilling Water Resistivity = 17.70 Ohms.

Approx Water Level = 3 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Fine to Medium sand	
3.	20 - 44	24	Clay kankar	
4.	44 - 80*	36	Medium sand	Good
5.	80 - 85	5	Clay kankar	
6.	85 - 100*	15	Medium sand & kankar	Good
7.	100 - 110	10	Clay kankar	
8.	110 - 130*	20	Medium sand	Good
9.	130 - 138	8	Clay kankar	
10.	138 - 145	7	Fine to Medium sand	Good
11.	145 - 150	5	Clay kankar	
12.	150 - 153	3	Fine to Medium sand	Good
13.	153 - 160	7	Clay kankar	
14.	160 - 182*	22	Medium sand & kankar	Good
15.	182 - 193	11	Clay kankar	
16.	193 - 214*	21	Medium sand & kankar	Good
17.	214 - 219	5	Clay kankar	
18.	219 - 231*	12	Medium sand	Good
19.	231 - 244	13	Clay kankar	
20.	244 - 250*	6	Medium sand	Good
21.	250 - 253	3	Clay kankar	
22.	253 - 260*	7	Fine to Medium sand	Good
23.	260 - 263	3	Clay kankar	

Ground Water Survey Consultancy

