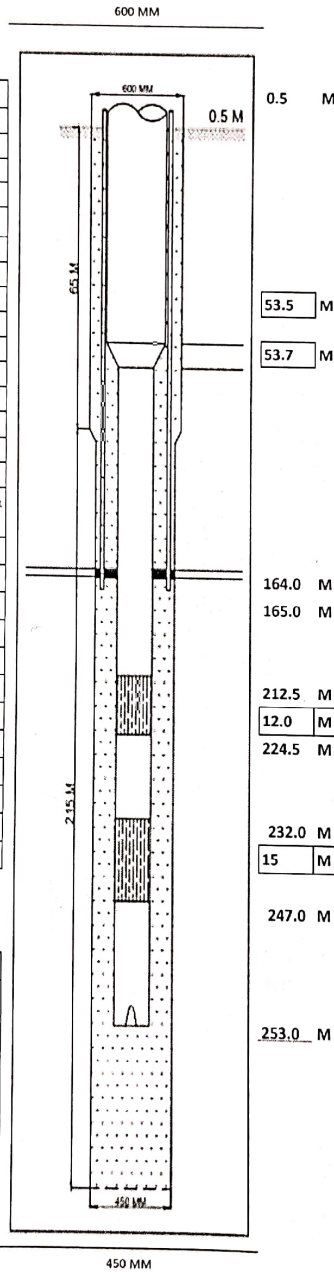


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Gauriya Bhilam, Block- Nakaha, 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 :- 200/ED/2021-22/III Dt. 30 November, 2021

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

SI No	Strata			
1	0	5	M,	Surface Soil
2	5	15	M,	Fine Sand
3	15	27	M,	Clay Kankar
4	27	31	M,	Fine to Med. Sand
5	31	40	M,	Clay Kankar
6	40	61	M,	Medium Sand
7	61	70	M,	Clay Kankar
8	70	82	M,	Med. Sand, Kankar
9	82	97	M,	Clay Kankar
10	97	101	M,	Medium Sand
11	101	107	M,	Clay Kankar
12	107	110	M,	Fine to Med. Sand
13	110	130	M,	Clay Kankar
14	130	162	M,	Med. Sand, Kankar
15	162	183	M,	Clay Kankar
16	183	200	M,	Fine to Med. Sand & Kankar
17	200	210	M,	Clay Kankar
18	210	226	M,	Medium Sand
19	226	232	M,	Clay Kankar
20	232	247	M,	Med. Sand, Kankar
21	247	253	M,	Clay Kankar
22	253	260	M,	fine to Med. Sand
23	260	264	M,	Clay Kankar
24	264	270	M,	Fine to Med. Sand
25	270	280	M,	Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	800 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	300 X 150
6	Drilling Starting Date	:-	11-02-2024
7	Drilling Completion Date	:-	15-02-2024
8	Total Depth Of Drilling	:-	280 M
9	Logging Date	:-	16-02-2024
10	Logging Depth	:-	280 M

Logging Report				
SI No	Depth (mbgl)		Thickness (m)	Remarks
1	40	61	21	All Good
2	70	82	12	
3	97	101	4	
4	130	162	32	
5	183	200	17	
6	210	226	16	
7	232	247	15	
8	253	260	7	
9	264	270	6	

Description	Zone-1	Zone-2	Zone-3
	(233-247 M)	(220-227 M)	(195-206 M)
	Acceptable Limit/Test Result	Acceptable Limit/Test Result	Acceptable Limit/Test Result
Flouride (As F)*	1.00/0.298	1.00/0.454	1.00/0.675
Iron (As Fe)*	1.00/0.280	1.00/0.560	1.00/0.850
Total Arsenic (As As)*	0.01/0.006	0.01/0.009	0.01/0.012

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	54.0 M
ii)	150	MM Dia M. S. Slotted pipe	27.0 M
iii)	150	MM Dia M. S. Plain pipe	172.3 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
		Total	253.50 Meter
		AGL	0.50 Meter
		BGL	253.00 Meter
12	90 MM Dia UPVC	:-	166.50 333.00 Meter
13	Date of Lowering	:-	07.03.2024

Recommended & Prepared by: M/S. NCC Ltd.  
 Verified by: M/S. Ceinsys Tech Ltd.  
 Recommended by: 13th Division UP Jal Nigam (R) Lucknow  
 Approved by: 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- GAURIYA BHILAM, BLOCK- NAKAHA, 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 16.Feb.2024.

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:-

Location = Gauriya Bhilam

Mud Resistivity = 19.62 Ohms.

Latitude = 27.83286666666667°

Drilling Water Resistivity = 20.69 Ohms.

Longitude = 80.84182333333334°

Approx Water Level = 3 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 29	24	Clay kankar	
3.	29 - 32	3	Fine to Medium sand	Good
4.	32 - 40	8	Clay kankar	
5.	40 - 61	21	Medium sand	Good
6.	61 - 70	9	Clay kankar	
7.	70 - 82*	12	Medium sand	Good
8.	82 - 98	16	Clay kankar	
9.	98 - 120*	22	Medium sand & kankar	Good
10.	120 - 130	10	Clay kankar	
11.	130 - 161*	31	Medium sand & kankar	Good
12.	161 - 169	8	Clay kankar	
13.	169 - 172	3	Fine to Medium sand	Good
14.	172 - 184	12	Clay kankar	
15.	184 - 190*	6	Fine to Medium sand & kan	Good
16.	190 - 195	5	Clay kankar	
17.	195 - 206*	11	Medium sand & kankar	Good
18.	206 - 210	4	Clay kankar	
19.	210 - 216	6	Fine sand	Good
20.	216 - 220	4	Clay kankar	
21.	220 - 227*	7	Medium sand	Good
22.	227 - 233	6	Clay kankar	
23.	233 - 247*	14	Medium sand	Good
24.	247 - 253	6	Clay kankar	
25.	253 - 260*	7	Medium sand	Good
26.	260 - 263	3	Clay kankar	
27.	263 - 270*	7	Medium sand	Good
28.	270 - 280	10	Clay kankar	

Ground Water Survey Consultancy  
Agra

