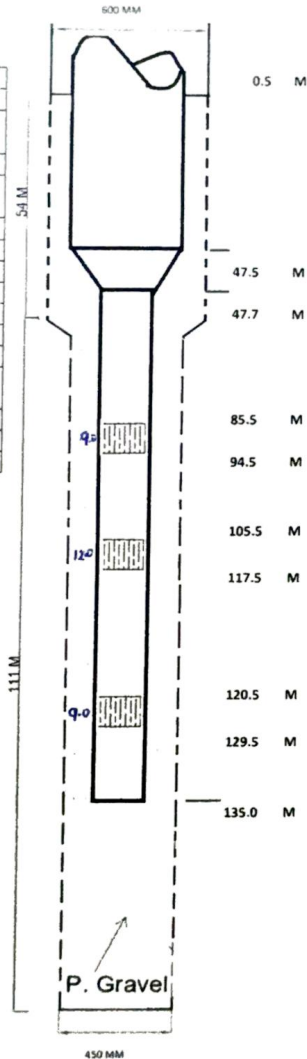


Completion Plan Of Tubewell

Name Of Work : Construction of T. W. of G.P. Bhanpur, Block- Bijua, District, Lakhimpur Kheri.  
 Name Of : J. I. M-2  
 Program :  
 Name of client : S.W.S.M & U.P. JAL NIGAM ( R )  
 Name Of : M/S NCC Limited  
 Contractor :  
 Name Of TPI : Ceinsys Tech Limited  
 Contract : 64/ED/2020-21 Dt. 12.03.2021  
 Agreement :  
 Cover : 465/ED/Phase-2/2022-23/XII, Dt. 27.02.2023  
 Agreement :

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

Strata		
0	-	5 M Surface Soil
5	-	8 M Clay KANKAR
8	-	15 M Fine To Medium Sand
15	-	20 M Clay Kankar
20	-	25 M Fine to Medium Sand
25	-	35 M Clay Kankar
35	-	57 M Medium Sand
57	-	65 M Clay Kankar
65	-	79 M Medium Sand
79	-	85 M Clay Kankar
85	-	95 M Medium Sand
95	-	105 M Clay Kankar
105	-	130 M Medium sand & Kankar
130	-	145 M Clay Kankar
145	-	154 M Medium Sand
154	-	165 M Clay Kankar



ABSTRACT		
1	Type of Rig Machine	DC/RC
2	Static Water level	
3	Required Discharge	1050 LPM
4	Bore Size (MM)	600 X 450
5	Assembly Size (MM)	300 X 150
6	Drilling Starting Date	15-05-2023
7	Drilling Completion Date	19-05-2023
8	Total Depth Of Drilling	165 M
9	Logging Date	20-05-2023
10	Logging Depth	165 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	0 - 5	5	(Good All)
2	5 - 8	3	
3	8 - 15	7	
4	15 - 20	5	
5	20 - 25	5	
6	25 - 35	10	
7	35 - 57	22	
8	57 - 65	8	
9	65 - 79	14	
10	79 - 85	6	
11	85 - 95	10	
12	95 - 105	10	
13	105 - 130	25	
14	130 - 145	15	
15	145 - 154	9	
16	154 - 165	11	

11 Details of Lowered Assembly		
i)	300	MM Dia Housing Pipe 48.0 M
ii)	150	MM Dia M S Slotted pipe 30.0 M
iii)	150	MM Dia M S Plain pipe 57.3 M
iv)	300 X 150	MM Dia M S Reducer 0.2 M
Total :-		135.50 Meter
AGL :-		0.50 Meter
BGL :-		135.00 Meter
12	Date of Lowering	21-05-2023



Verified by *Ashish Kumar*  
 Recommended by *Ashish Kumar*  
 Prepared by *Ashish Kumar*  
 M/S Ceinsys Tech Ltd  
 13th Division U.P. Jal Nigam (R)  
 JUNIOR ENGINEER  
 REGIONAL OFFICE (E&M)  
 U.P. JAL NIGAM (R)  
 LUCKNOW

Approved by *E.E.*  
 13th Division U.P. Jal Nigam (R) Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHANPUR, 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 20 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:-

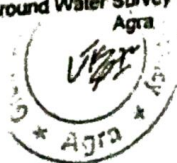
Mud Resistivity = 23.71 Ohms.

Drilling Water Resistivity = 24.53 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 - 8	3	Clay kankar	
3.	8 - 15	7	Fine to Medium sand	Good
4.	15 - 20	5	Clay kankar	
5.	20 - 25	5	Fine to Medium sand	Good
6.	25 - 35	10	Clay kankar	
7.	35 - 57	22	Medium sand	Good
8.	57 - 65	8	Clay kankar	
9.	65 - 79*	14	Medium sand	Good
10.	79 - 85	6	Clay kankar	
11.	85 - 95*	10	Medium sand	Good
12.	95 - 105	10	Clay kankar	
13.	105 - 130*	25	Medium sand & kankar	Good
14.	130 - 145	15	Clay kankar	
15.	145 - 154*	9	Medium sand	Good
16.	154 - 165	11	Clay kankar	

Ground Water Survey Consultancy  
Agra



Logging performed as per  
SWSM guidelines.  
Groundwater quality  
interpreted by firm as  
per their logger's  
calibration. 22/05/23