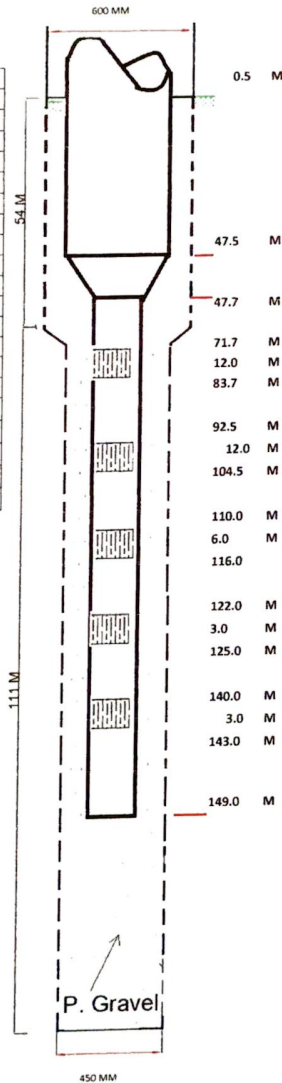


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Bada Gaon Palia, Block- Palia, 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 :- 170/ED/2021-22/II Dt. 22 October, 2021

**Lowered Assembly Chart of T. W of Bada Gaon Palia G.P W/S Scheme District :- Lakhimpur Kheri.**

Strata		
45	-	5 M, Surface Soil
5	-	10 M, Clay Kankar
10	-	24 M, Fine To Medium Sand
24	-	30 M, Clay Kankar
30	-	36 M, Medium Sand
36	-	45 M, Clay Kankar
45	-	65 M, Medium Sand
65	-	70 M, Clay Kankar
70	-	84 M, Medium Sand
84	-	90 M, Clay Kankar
90	-	105 M, Medium Sand, kankar
105	-	110 M, Clay Kankar
110	-	116 M, Medium Sand
116	-	121 M, Clay Kankar
121	-	125 M, Medium Sand
125	-	130 M, Clay Kankar
130	-	132 M, Fine To Medium Sand
132	-	140 M, Clay Kankar
140	-	150 M, Medium Sand
150	-	156 M, Clay Kankar
156	-	165 M, Medium Sand



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	1550 LPM
4	Bore Size (MM)	:-	600 X 500
5	Assembly Size (MM)	:-	300 X 200
6	Drilling Starting Date	:-	31-12-2023
7	Drilling Completion Date	:-	04-01-2024
8	Total Depth Of Drilling	:-	170 M
9	Logging Date	:-	05-01-2024
10	Logging Depth	:-	165 M

Logging Report				
Sl No	Depth (mbgl)		Thickness (m)	Remarks
1	45	65	20	All Good
2	70	84	14	
3	90	105	15	
4	110	116	6	
5	121	125	4	
6	130	132	2	
7	140	150	10	
8	156	165	9	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	48.0 M
ii)	200	MM Dia M. S. Slotted pipe	36.0 M
iii)	200	MM Dia M. S. Plain pipe	65.3 M
iv)	300 X	MM Dia M S Reducer	0.2 M
Total			149.50 Meter
AGL			0.50 Meter
BGL			149.00 Meter
12 Date of Lowering			
			19-01-2024

Recommended & Prepared by

M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd.

13th Division UP Jal Nigam (R) Lucknow

Recommended by

A E  
13th Division UP Jal Nigam (R) Lucknow

Approved by

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

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- BADA GAON, BLOCK- PALIA, DISTT-LAKHIMPUR KHIRI

UNDER

**JAL JIVAN MISSION**

## Introduction :

A Deep bore hole was drilled 170 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 05.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:-

Mud Resistivity = 17.50 Ohms.

Drilling Water Resistivity = 18.60 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 24	14	Fine to medium sand	Good
4.	24 - 30	6	Clay kankar	
5.	30 - 36	6	Medium sand	Good
6.	36 - 45	9	Clay kankar	
7.	45 - 65*	20	Medium sand	Good
8.	65 - 70	5	Clay kankar	
9.	70 - 84*	14	Medium sand	Good
10.	84 - 90	6	Clay kankar	
11.	90 - 105*	15	Medium sand & kankar	Good
12.	105 - 110	5	Clay kankar	
13.	110 - 116*	6	Medium sand	Good
14.	116 - 121	5	Clay kankar	
15.	121 - 125*	4	Medium sand	Good
16.	125 - 130	5	Clay kankar	
17.	130 - 132*	2	Fine to medium sand	Good
18.	132 - 140	8	Clay kankar	
19.	140 - 150*	10	Medium sand	Good
20.	150 - 156	6	Clay kankar	
21.	156 - 165*	9	Medium sand	Good

Ground Water Survey Consultancy

