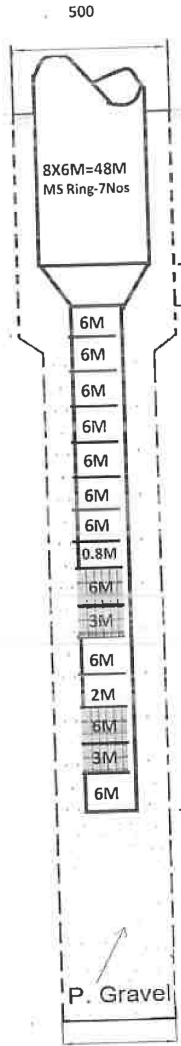


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Maligaon, Block- BEHJUM, District, Lakhimpur Kheri.  
 Name Of Program :- J. J. M  
 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 :- 12/ED/Phase-3/2021-22, date 07.01.2022  
 Cover Agreement :- 466/ED/Phase-3/2022-23/XVII, Dated 27.02.2023

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

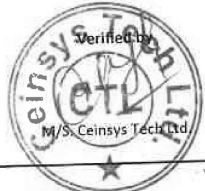
Strata		
0	-	5 M, Surface Soil
5	-	10 M, Clay Kankar
10	-	13 M, Fine Sand
13	-	29 M, Clay Kankar
29	-	38 M, Medium Sand
38	-	44 M, Clay Kankar
44	-	47 M, Medium Sand
47	-	59 M, Clay Kankar
59	-	82 M, Medium Sand & Kankar
82	-	90 M, Clay Kankar
90	-	100 M, Medium Sand
100	-	107 M, Clay Kankar
107	-	121 M, Medium Sand
121	-	165 M, Clay Kankar



ABSTRACT		
1	Type of Rig Machine	DC/RC
2	Static Water level	9M
3	Required Discharge	440 LPM
4	Bore Size (MM)	500 X 450
5	Assembly Size (MM)	200 X 150
6	Drilling Starting Date	14-06-2023
7	Drilling Completion Date	18-06-2023
8	Total Depth Of Drilling	165 M
9	Logging Date	19-06-2023
10	Logging Depth	165 M

Logging Report			
Sl No	Depth (m)	Thickness (m)	Remarks
1	59	82	23
2	90	100	10
3	107	121	14
			(Good All)

Details of Lowered Assembly		
i)	200	MM Dia Housing Pipe :- 48.0 M
ii)	150	MM Dia M. S. Slotted pipe :- 18 M
iii)	150	MM Dia M. S. Plain pipe :- 56.8 M
iv)	200 X 150	MM Dia M S Reducer :- 0.2 M
Total :-		123.00 Meter
AGL :-		0.50 Meter
BGL :-		122.50 Meter
12	Date of Lowering	20-06-2023



*[Signature]*  
 J.E  
 Division office (E/M) UP Jal Nigam (R) Lucknow

*[Signature]*  
 A.E  
 Division office (E/M) UP Jal Nigam (R) Lucknow

*[Signature]*  
 E.E  
 Division office (E/M) UP Jal Nigam (R) Lucknow

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

**Vinod Kumar**  
 Assistant Engineer  
 Divisional officer  
 U.P. Jal Nigam (R)  
 Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MALIGAON, BLOCK- BEHJAM,  
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 19.Jun.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 = ~~22.68~~ Ohms.

Drilling Water Resistivity = ~~22.88~~ Ohms.

Approx Water Level = 9 Mir.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
<del>2.</del>	5 - 10	5	Clay kankar	
<del>3.</del>	10 - 13	3	Fine sand	
4.	13 - 29	16	Clay kankar	
5.	29 - 38	9	Medium sand	Good
6.	38 - 44	6	Clay kankar	
7.	44 - 47	3	Medium sand	Good
8.	47 - 59	12	Clay kankar	
<del>9.</del>	59 - 82*	23	Medium sand & kankar	Good
10.	82 - 90	8	Clay kankar	
<del>11.</del>	90 - 100*	10	Medium sand	Good
12.	100 - 107	7	Clay kankar	
<del>13.</del>	107 - 121*	14	Medium sand	Good
14.	121 - 165	44	Clay kankar	



- Logging performed as per SWSM guidelines  
- Groundwater quality interpreted by former Geophysical logger calibration  
G.S.K  
20/06/23