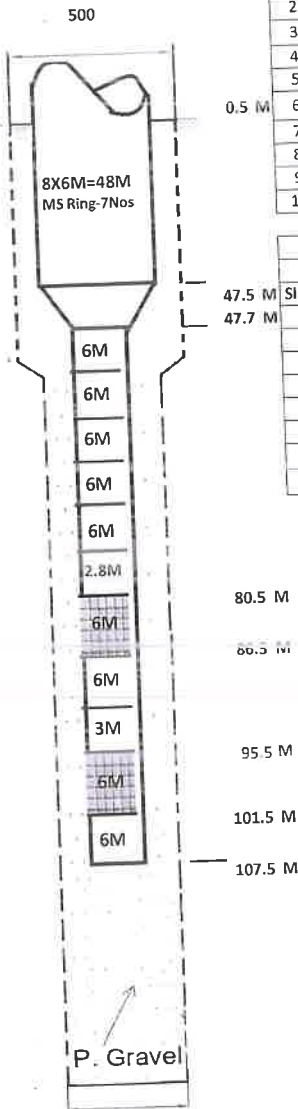


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Mukrehta, 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 Mukrehta G.P W/S Scheme District :- Lakhimpur Kheri.

Strata		
0	-	5 M, Surface Soil
5	-	15 M, Clay Kankar
15	-	23 M, Medium Sand
23	-	28 M, Clay Kankar
28	-	37 M, Medium Sand
37	-	57 M, Clay Kankar
57	-	70 M, Medium Sand
70	-	79 M, Clay Kankar
79	-	87 M, Medium Sand
87	-	91 M, Clay Kankar
91	-	105 M, Medium Sand
105	-	110 M, Clay Kankar
110	-	121 M, Medium Sand
121	-	126 M, Clay Kankar
126	-	132 M, Sand & Kankar
132	-	140 M, Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	300 LPM
4	Bore Size (MM)	:-	500 X 450
5	Assembly Size (MM)	:-	200 X 150
6	Drilling Starting Date	:-	10-06-2023
7	Drilling Completion Date	:-	14-06-2023
8	Total Depth Of Drilling	:-	140 M
9	Logging Date	:-	15-06-2023
10	Logging Depth	:-	140 M

Logging Report				
Sl No	Depth (mbgl)	Thickness (m)	Remarks	
1	57 - 70	13		(Good All)
2	79 - 87	8		
3	91 - 105	14		
4	110 - 121	11		

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	48.0 M
ii)	150	MM Dia M. S. Slotted pipe	12 M
iii)	150	MM Dia M. S. Plain pipe	47.8 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
Total :-			108.00 Meter
AGL :-			0.50 Meter
BGL :-			107.50 Meter
12	Date of Lowering	:-	16-06-2023



Recommended by
 Signature: Vikas K.R. Yadav
 Division office (E/M) UP Jal Nigam (R) Lucknow

Recommended by
 Signature: A.E.
 Division office (E/M) UP Jal Nigam (R) Lucknow

Approved by
 Signature: A.E.
 Division office (E/M) UP Jal Nigam (R) Lucknow

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

Vinod Kumar
 Assistant Engineer
 Divisional officer (E&M)
 U.P. Jal Nigam (R)
 Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUKREHTA, BLOCK- BEHIAM, DISTT-LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth ~~140~~ 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 15.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 = ~~23.58~~ Ohms.

Drilling Water Resistivity = ~~24.69~~ Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 23	8	Medium sand	Good
4.	23 - 28	5	Clay kankar	
5.	28 - 37	9	Medium sand	Good
6.	37 - 57	20	Clay kankar	
7.	57 - 70*	13	Medium sand	Good
8.	70 - 79	9	Clay kankar	
9.	79 - 87*	8	Medium sand	Good
10.	87 - 91	4	Clay kankar	
11.	91 - 105*	14	Medium sand	Good
12.	105 - 110	5	Clay kankar	
13.	110 - 121*	11	Medium sand	Good
14.	121 - 126	5	Clay kankar	
15.	126 - 132	6	Sand & kankar	
16.	132 - 140	8	Clay kankar	



- Logging performed as per
SWSM guidelines.
- Groundwater quality
interpreted by firm as
per their logger
calibration 15/06/23