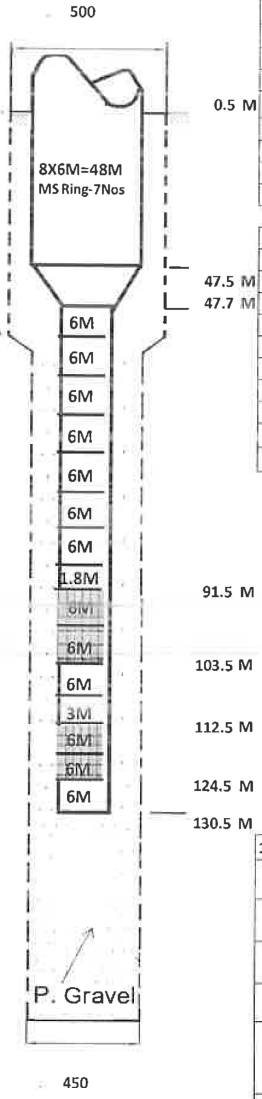


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Ratanpur, Block- Pasgwan, 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 :- 272/ED/Phase-3/2022-23/XI, Dated 27.12. 2022

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

Strata		
0	-	5 M, Surface Soil
5	-	10 M, Clay Kankar
10	-	15 M, Fine Sand
15	-	25 M, Clay Kankar
25	-	31 M, Medium Sand
31	-	46 M, Clay Kankar
46	-	53 M, Medium Sand
53	-	63 M, Clay Kankar
63	-	70 M, Medium Sand
70	-	79 M, Clay Kankar
79	-	84 M, Fine to Medium Sand
84	-	91 M, Clay Kankar
91	-	105 M, Medium Sand
105	-	110 M, Clay Kankar
110	-	139 M, Medium Sand & Kankar
139	-	151 M, Clay Kankar
151	-	162 M, Medium Sand
162	-	165 M, Clay Kankar



ABSTRACT		
1	Type of Rig Machine	DC/RC
2	Static Water level	6M
3	Required Discharge	590 LPM
4	Bore Size (MM)	500 X 450
5	Assembly Size (MM)	200 X 150
6	Drilling Starting Date	20-06-2023
7	Drilling Completion Date	24-06-2023
8	Total Depth Of Drilling	165 M
9	Logging Date	25-06-2023
10	Logging Depth	165 M

Logging Report			
SI No	Depth (mbgl)	Thickness (m)	Remarks
1	46 - 53	7	(Good All)
2	63 - 70	7	
3	79 - 84	5	
4	91 - 105	14	
5	110 - 139	29	
6	151 - 162	11	

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	48.0 M
ii)	150	MM Dia M. S. Slotted pipe	24 M
iii)	150	MM Dia M. S. Plain pipe	58.8 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
		Total :-	131.00 Meter
		AGL :-	0.50 Meter
		BGL :-	130.50 Meter
12	Date of Lowering	26-06-2023	



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DIVISIONAL OFFICE (E&M)
U.P. JAL NIGAM (R)
LUCKNOW

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RATTANPUR, BLOCK- PASGAWAN, 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 25.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 = ~~21.31~~ Ohms.

Drilling Water Resistivity = ~~22.46~~ Ohms.

Approx Water Level = 6 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 - 15	5	Fine sand	
4.	15 - 25	10	Clay kankar	
5.	25 - 31	6	Medium sand	Good
6.	31 - 46	15	Clay Kankar	
7.	46 - 53*	7	Medium sand	Good
8.	53 - 63	10	Clay kankar	
9.	63 - 70*	7	Medium sand	Good
10.	70 - 79	9	Clay kankar	
11.	79 - 84*	5	Fine to med sand	Good
12.	84 - 91	7	Clay kankar	
13.	91 - 105*	14	Medium sand	Good
14.	105 - 110	5	Clay kankar	
15.	110 - 139*	29	Medium sand & kankar	Good
16.	139 - 151	12	Clay kanakar	
17.	151 - 162*	11	Medium sand	Good
18.	162 - 165	3	Clay kankar	

G.Sh
27/06/23

Ground Water Survey Consultancy



- Logging performed as per ISRM guidelines
- Ground water quality interfaced by firm as per their logger calibration