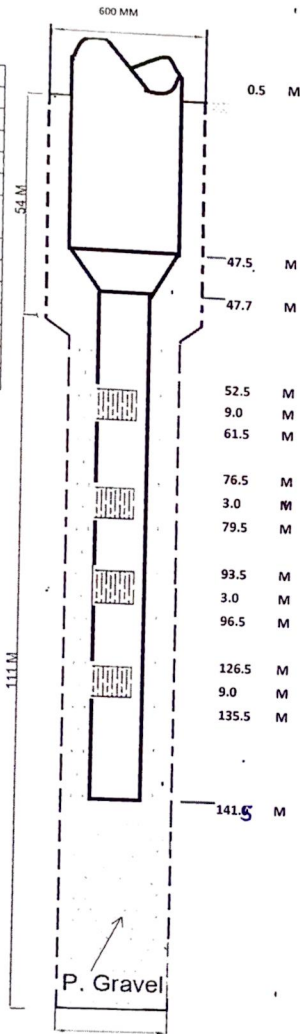


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Jas Nagar, Block- Nighasan, 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 Cover :- 64/ED/2020-21 Dt. 12.03.2021
 Agreement :- 491/ED/Phase-2/2022-23/IVX, Dt. 03.03.2023

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

Strata		
50	5	M, Surface Soil
5	13	M, Clay Kankar
13	21	M, Medium Sand
21	30	M, Clay Kankar
30	40	M, Medium Sand
40	50	M, Clay Kankar
50	62	M, Fine To Medium Sand
62	75	M, Clay Kankar
75	80	M, Medium Sand
80	92	M, Clay Kankar
92	97	M, Fine Sand
97	125	M, Clay Kankar
125	138	M, Fine Sand ,Kankar
138	165	M, Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	630 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	300 X 150
6	Drilling Starting Date	:-	02-01-2024
7	Drilling Completion Date	:-	06-01-2024
8	Total Depth Of Drilling	:-	165 M
9	Logging Date	:-	07-01-2024
10	Logging Depth	:-	165 M

Logging Report				
Sl No	Depth (mbgl)	Thickness (m)	Remarks	
1	50	62	12	All Good
2	75	80	5	
3	92	97	5	
4	125	138	13	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	48.0 M
ii)	150	MM Dia M. S. Slotted pipe	24.0 M
iii)	150	MM Dia M. S. Plain pipe	69.3 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
Total :-			141.50 Meter
AGL :-			0.50 Meter
BGL :-			141.00 Meter
12	Date of Lowering	:-	19-01-2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

13th Division UP Jal Nigam (R)
Lucknow

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

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

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- JASNAGAR, BLOCK- NIGHASAN, 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 07.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 = 09.77 Ohms.

Drilling Water Resistivity = 20.52 Ohms.

Approx Water Level = 2.5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Clay kankar	
3.	13 - 21	8	Medium sand	Good
4.	21 - 30	9	Clay kankar	
5.	30 - 40	10	Medium sand	Good
6.	40 - 50	10	Clay kankar	
7.	50 - 62*	12	Fine to Medium sand	Good
8.	62 - 75	13	Clay kankar	
9.	75 - 80*	5	Medium sand	Good
10.	80 - 92	12	Clay kankar	
11.	92 - 97	5	Fine sand	Good
12.	97 - 125	28	Clay kankar	
13.	125 - 138	13	Fine sand & kankar	Good
	138 - 165	27	Clay kankar	

Ground Water Survey Consultancy

Agra

