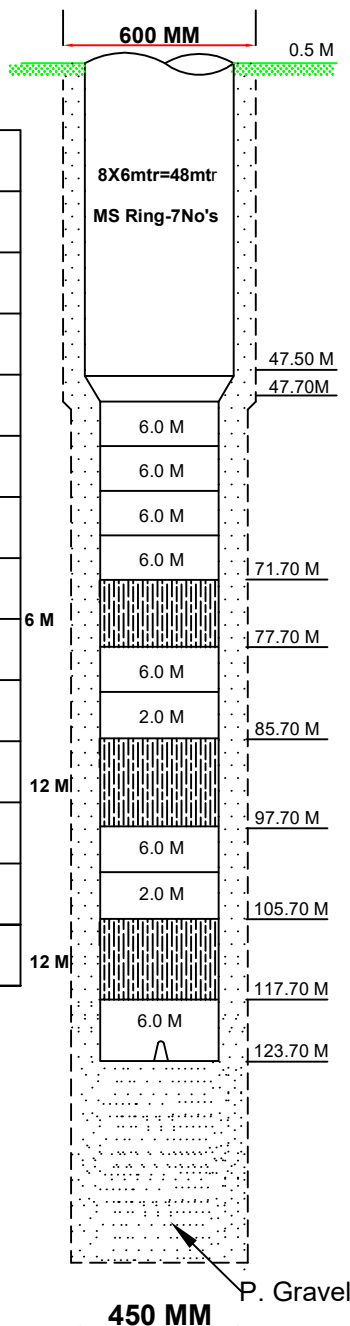


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P.Billai, Block-Behjam, District, Lakhimpur Kheri.
Name of Program :- J.J.M-3
Name of client :- S.W.S.M. & U.P. AL NIGAM (R)
Name of Contractor :- M/S NCC Limited
Name of TPI :- Ceinsys Tech Limited
Cover Agreement :- 358/ED/Phase-3/2022-23/XIV Dated 03.02.2023
Lowered Assembly Chart of T. W of G.P. Billai, Block-Behjam,

Strata

0-5 mtr Surface Soil
5-11 mtr Fine Sand
11-20 mtr Kankar
20-30 mtr Medium Sand
30-58 mtr Clay Kankar
58-66 mtr Medium Sand
66-70 mtr Clay Kankar
70-81 mtr Medium Sand
85-98 mtr Clay Kankar
105-121 mtr Medium Sand
121-144 mtr Clay Kankar
144-151mtr Fine to Medium Sand
151-160 mtr Clay Kankar
160-165 mtr Medium Sand



ABSTRACT		
1	Type of Rig Machine	:- DC Cum RC
2	Required Discharge	:- 750 LPM
3	Bore Size (MM)	:- 600x450
4	Assembly Size (MM)	:- 300 x 150
5	Drilling Starting Date	:- 6.04.2023
6	Drilling Completion Date	:- 12.04.2023
7	Total Depth Of Drilling	:- 165M
8	Logging Date	:- 13.04.2023
9	Logging Depth	:- 165M

Logging Report By Ground Water Investigation Center				
SI.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	58-66	8	Medium Sand	Good
2	70--81	11	Medium Sand	Good
3	85--98	13	Medium Sand	Good
4	105--121	16	M.S & Kankar	Good
5	144--151	7	Medium Sand	Good

(G.Shukla)
 Verified by Asst. Hydrologist
 Circle Office(E&M) U.P al
 Nigam (Rural)

(A.K Singh)
 Verified by Geophysicist
 GIC Lucknow.

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe	:- 48.0 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 30.00Meter
iii) 150 mm Dia M. S. Plain pipe	:- 46.00Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 124.20 Meter
AGI	:- 00.50 Meter
BGL	:- 123.70 Meter
12. Date of Lowering	:- 15.04.2023

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/s NCC Ltd

M/s Ceinsys Tech Ltd

J.E
 Divisional office (E&M) UP
 Jal Nigam (R) Lucknow

A.E
 Divisional office (E&M) UP
 Jal Nigam (R) Lucknow

E.E
 Divisional office (E&M) UP
 Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BILLAI, BLOCK- BEHJAM, DISTT-LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 155 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 13.April.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 = 26.41 Ohms.

Drilling Water Resistivity = 27.33 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 - 20	10	Medium sand	Good
4.	20 - 26	6	Clay kankar	
5.	26 - 37	11	Medium sand	Good
6.	37 - 46	9	Clay kankar	
7.	46 - 49	3	Fine sand	Good
8.	49 - 53	4	Clay kankar	
9.	53 - 66*	13	Medium sand	Good
10.	66 - 70	4	Clay kankar	
11.	70 - 81*	11	Medium sand	Good
12.	81 - 85	4	Kankar	
13.	85 - 98*	13	Medium sand	Good
14.	98 - 105	7	Clay kankar	
15.	105 - 121*	16	Medium sand & kankar	Good
16.	121 - 138	17	Clay kankar	
17.	138 - 141	3	Fine sand	Good
18.	141 - 144	3	Clay kankar	
19.	144 - 151*	7	Medium sand	Good
20.	151 - 155	4	Clay kankar	

Ground Water Survey Consultancy
Agra

