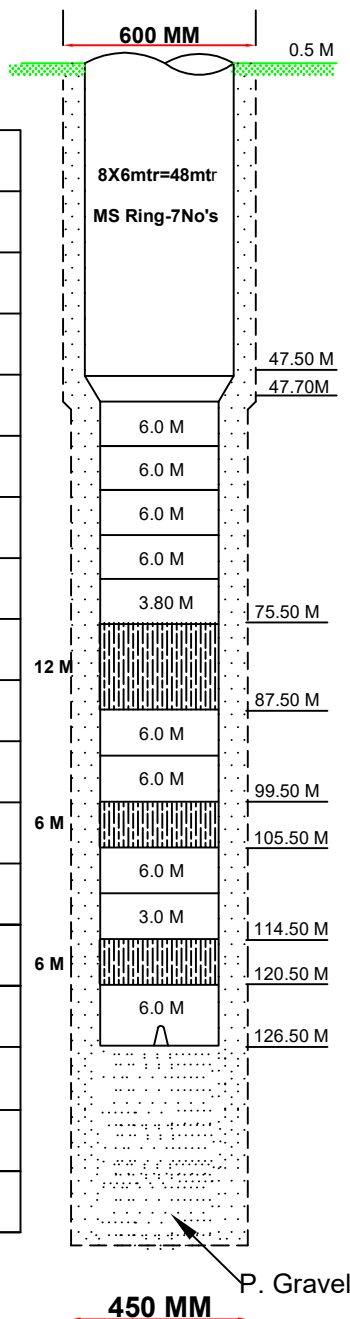


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Jam Mubarakpur , 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 :- 260/ED/Phase-3/2022-23/XVI, Dated:- 24.12. 2023
Lowered Assembly Chart of T. W of G.P. Jam Mubarakpur , Block- Behjam,

Strata

0-5 mtr Surface Soil
5-17 mtr Clay kankar
17-38 mtr Medium Sand
38-45 mtr Clay Kankar
45-55 mtr Medium Sand
55-60 mtr Clay Kankar
60-66 mtr Fine to Medium Sand
66-75 mtr Clay Kankar
75-88 mtr Medium Sand
88-96 mtr Clay Kankar
96-110 mtr Fine to Medium Sand
110-115 mtr Clay Kankar
115-121 mtr Fine to Medium Sand
121-135 mtr Clay Kankar
135-142 mtr Fine to Medium Sand
142-149 mtr Clay Kankar
149-159 mtr Fine to Medium Sand
159-165 mtr Sand Clay



ABSTRACT		
1	Type of Rig Machine	:- DC Cum RC
2	Required Discharge	:- 690 LPM
3	Bore Size (MM)	:- 600x450
4	Assembly Size (MM)	:- 300 x 150
5	Drilling Starting Date	:- 2.04.2023
6	Drilling Completion Date	:- 8.04.2023
7	Total Depth Of Drilling	:- 165M
8	Logging Date	:- 9.04.2023
9	Logging Depth	:- 165M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	45-55	10	Medium Sand	Good
2	60-66	6	F. to M Sand	Good
3	75-88	13	Medium Sand	Good
4	96-110	14	F. to M Sand	Good
5	115-121	6	F. to M Sand	Good
6	135-142	7	F. to M Sand	Good
7	149-159	7	F. to M 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 :- 24.00Meter
iii)	150 mm Dia M. S. Plain pipe :- 54.80Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
	Total :- 127.00 Meter
	AGI :- 00.50 Meter
	BGL :- 126.50 Meter
12.	Date of Lowering :- 12.04.2023

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/s NCC Ltd

M/s Ceinsys Tech Ltd

J.E
 13th Division UP al
 Nigam (R) Lucknow

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

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JAM MUBARAKPUR, 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 09.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 = 22.71 Ohms.

Drilling Water Resistivity = 23.69 Ohms.

Approx Water Level = 14 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Clay kankar	
3.	17 - 38	21	Medium sand	Good
4.	38 - 45	7	Clay kankar	
5.	45 - 55*	10	Medium sand	Good
6.	55 - 60	5	Clay kankar	
7.	60 - 66*	6	Fine to Medium sand	Good
8.	66 - 75	9	Clay kankar	
9.	75 - 88*	13	Medium sand	Good
10.	88 - 96	8	Clay kankar	
11.	96 - 110*	14	Fine to Medium sand	Good
12.	110 - 115	5	Clay kankar	
13.	115 - 121*	6	Fine to Medium sand	Good
14.	121 - 135	14	Clay kankar	
15.	135 - 142*	7	Fine to Medium sand	Good
16.	142 - 149	7	Clay kankar	
17.	149 - 159*	10	Fine to Medium sand	Good
18.	159 - 165	6	Sandy clay	

