

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. BeniRajapur, Block-Mohammadi, 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

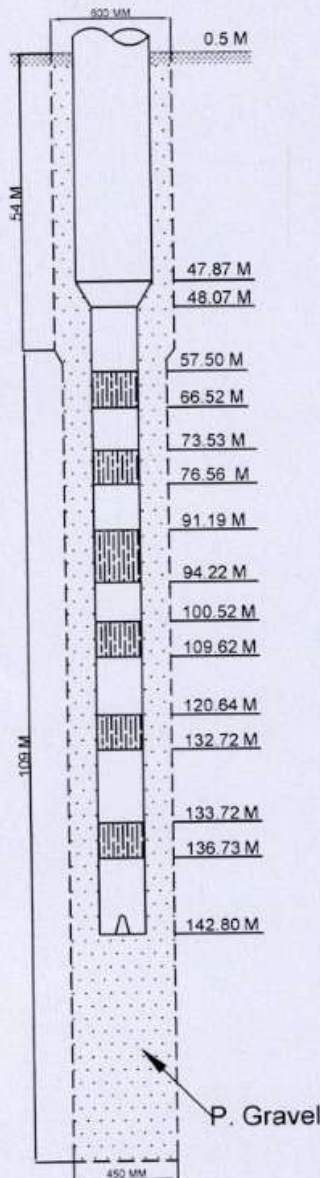
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 200/ED/2021-22/III Dt. 30 November, 2021

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

Strata

0-3 M, Surface Clay
3-26 M, Clay & Silty Soil
26-42 M, Fine Sand
42-47 M, Clay
47-54 M, Medium Sand
54-57 M, Clay
57-67 M, Medium Sand
67-72 M, Clay Kankar
72-78 M, Medium Sand
78-90 M, Clay Kankar
90-96 M, Medium Sand
96-100 M, Clay Kankar
100-110 M, Medium Sand
110-120 M, Clay Kankar
120-138 M, Medium Sand
138-144 M, Clay Kankar
144-148 M, Medium Sand
148-157 M, Clay Kankar
148-157 M, Medium Sand
157-162 M, Clay Kankar



ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 1500 LPM
4	Bore Size (MM)	:- 600x500
5	Assembly Size (MM)	:- 300 x 200
6	Drilling Starting Date	:- 20.02.2022
7	Drilling Completion Date	:- 24.02.2022
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 25.02.2022
10	Logging Depth	:- 163 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	26--42	16	Fine to Medium Sand (Good All)
2	47--54	7	
3	57--67	10	
4	72--78	6	
5	90--96	6	
6	100--110	10	
7	120--138	18	
8	144--148	4	
9	157--162	5	

Note:-All Zones are intermixed with fine bands kankar.

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	:- 47.87 Meter
ii) 200 mm Dia M. S. Slotted pipe	:- 39.27 Meter
iii) 200 mm Dia M. S. Plain pipe	:- 55.96 Meter
iv) 300 x 200 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 143.3 Meter
AGI	:- 00.50 Meter
BGL	:- 142.8 Meter

12. Date of Lowering :- 28.02.2022

Recommended
&
Prepared by

Verified by

Recommended by

Approved by

[Signature]
JE

[Signature]
A.E

E.E

13th Division UP Jal

13th Division UP Jal

13th Division U.P Jal Nigam

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHAJUHA & BENI RAJAPUR, BLOCK- MOHAMMADI,
DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth 170 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 27.Dec.2022.

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 = 14.83 Ohms.

Drilling Water Resistivity = 16.72 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 - 9	4	Dry sand	
3.	9 - 20	11	Clay kankar	
4.	20 - 33	13	Medium sand	Medium
5.	33 - 50	17	Clay kankar	
6.	50 - 64*	14	Medium sand	Medium
7.	64 - 69	5	Clay kankar	
8.	69 - 75*	6	Medium sand	Medium
9.	75 - 80	5	Clay kankar	
10.	80 - 105*	25	Medium sand	Medium
11.	105 - 114	9	Clay kankar	
12.	114 - 130*	16	Medium sand	Medium
13.	130 - 134	4	Clay kankar	
14.	134 - 141*	7	Medium sand	Medium
15.	141 - 145	4	Clay kankar	
16.	145 - 153*	8	Medium sand	Medium
17.	153 - 160	7	Clay kankar	
18.	160 - 170*	10	Medium sand	Medium

SrNo-12
115-129
SrNo 16
145-150



Logging performed as per SWSM guidelines Groundwater quality interpreted by firm as per their loggers calibration

G.S.
29/12/22