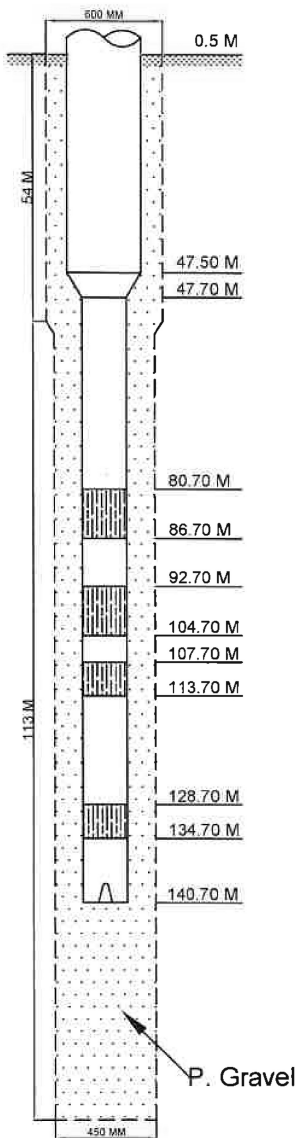


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Paduwa, Block- Palia Kalan, 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 :- 313/ED/2022-23/V Dt. 02.08.2022
Lowered Assembly Chart of T. W of Paduwa G.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M, Surface Clay
5 - 27 M, Fine Sand,
27-35 M, Clay Kankar ,
35-64 M, Medium Sand & Kankar ,
64-66 M, Kankar ,
66-88 M, Medium Sand ,
88-92 M, Clay Kankar ,
92-115 M, Medium Sand ,
115-126 M, Sandy Clay
126-136 M, Fine To Medium Sand,
136-143 M, Clay Kankar
143-151 M, Medium Sand,
151-165 M, Clay Kankar



ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 650 LPM
4	Bore Size (MM)	:- 600x450
5	Assembly Size (MM)	:- 300 x 150
6	Drilling Starting Date	:- 10.09.2022
7	Drilling Completion Date	:- 13.09.2022
8	Total Depth Of Drilling	:- 170.0 M
9	Logging Date	:- 14.09.2022
10	Logging Depth	:- 165.0 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	0-5	05	(Good All)
2	5-27	22	
3	27-35	08	
4	35-64	29	
5	64-66	2	
6	66-88	22	
7	88-92	04	
8	92-115	23	
9	115-126	11	
10	126-136	10	
11	136-143	07	
12	143-151	08	
13	151-165	14	

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	:- 48.00 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 30.00 Meter
iii) 150 mm Dia M. S. Plain pipe	:- 63.00 Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 141.20 Meter
AGI	:- 00.50 Meter
BGL	:- 140.70 Meter
12. Date of Lowering	:- 18.09.2022

Recommended & Prepared by



M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd.

Recommended by

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

Approved by

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- PADUWA, BLOCK- PALIA KALAN
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION**

Introduction :

A Deep bore hole was drilled 170 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 14.Sep.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 = ~~19.02~~ Ohms.

Drilling Water Resistivity = ~~23.40~~ Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 27	22	Fine sand	
3.	27 - 35	8	Clay kankar	
4.	35 - 64*	29	Medium sand & Kankar	Good
5.	64 - 66	2	Kankar	
6.	66 - 88*	22	Medium sand	Good
7.	88 - 92	4	Clay kankar	
8.	92 - 115*	23	Medium sand	Good
9.	115 - 126	11	Sandy clay	
10.	126 - 136*	10	Fine to Medium sand	Good
11.	136 - 143	7	Clay kankar	
12.	143 - 151*	8	Medium sand	Good
13.	151 - 165	14	Clay kankar	



Logging performed as per SWSM guidelines - Groundwater quality interpreted by their logger calibration

15/09/2022

15/09/2022

15/09/2022