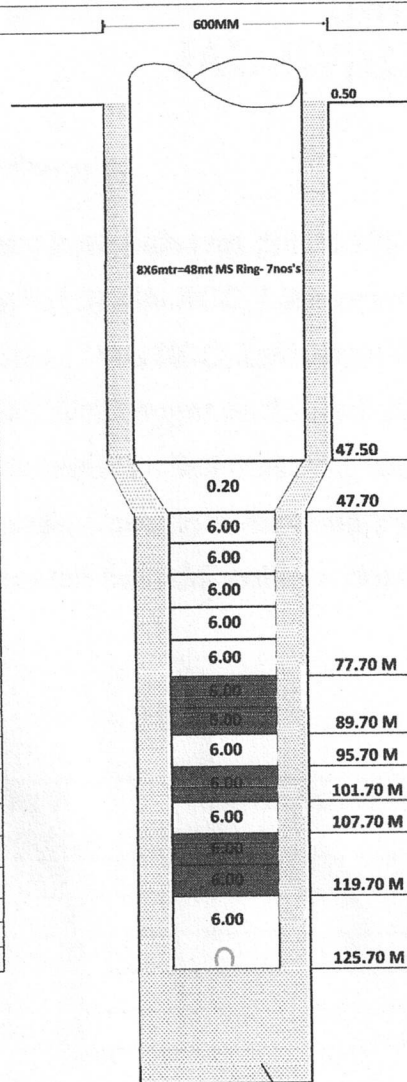


COMPLETION PLAN OF TUBEWELL

NAME OF WORK :- Construction of T.W- of G.P - Barter, Block- Behjam, Distt. Lakhimpur,
NAME OF PROGRAMME :- JJM-3,
NAME OF CLIENT :- SW.S.M. & U.P.JAL NIGAM
NAME OF CONTRACTOR :- M/S NCC Limited
NAME OF TPI :- Ceinsys Tech Limited
CONTRACT AGREEMENT :- 64/ED/Phase-2/2020-21 Dated on 12.03.2021
COVER AGREEMENT :- 321/ED/Phase 2/2022-23/X Dt.

Lowered Assembly Chart of T.W. of G.P- Barter, Block- Behjam, Distt. Lakhimpur,

Strata	
0-5	Surface Clay
5-10	Clay
10-20	Sand & kankar
20-38	Clay Kankar
38-42	Medium sand
42-48	Clay Kankar
48-60	Medium sand
60-77	Clay Kankar
77-102	Medium sand
102-107	Clay Kankar
107-120	Medium sand
120-136	Caving Clay
136-157	Medium Sand
157-161	Clay Kankar
161-165	Medium sand



ABSTRACT

S. No.	Particulars	Value
1-	Type of Rig Machine	R.C. CUM D.C.
2-	Required Discharge	1080 LPM
3-	Bore Size (MM)	600x450
4-	Assembly size (MM)	300x150
5-	Drilling Starting Date	8/4/2023
6-	Drilling Completion Date	14/04/2023
7-	Total Depth of Drilling	165 Mtr
8-	Logging Date	15/04/2023
9-	Logging Depth	165.00 mtr

Logging Report By Water Investigation Ceter

S. No.	Depth Range (mbgl)	Thickness (M.)	Lithology	Remarks
1	48-60	12	Mediun Sand	Good
2	77-102	25	Mediun Sand	Good
3	107-120	13	Mediun Sand	Good
4	136-157	21	Mediun Sand	Good
5	161-165	4	Mediun Sand	Good

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

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

Details of Lowered Assembly

11	(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	47.80 Meter
	(iv)	300 X 150 mm Dia M.S Reducer	0.20 Meter
		Total	126.20
		AGL	0.50
		BGL	125.70
		Date Of Lowering	17/04/2023

Recommended & Prepared by

Verified & Checked By

Recommended By

Approved By

M/s NCC LTD.

TPI
 M/s Ceinsys Tech Ltd
 Divisional Office (E&M)
 U.P. Jal Nigam(Rural)
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A.E.
 Divisional Office (E&M)
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 Divisional Office (E&M)
 U.P. Jal Nigam(Rural)
 Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BARTER, 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 15.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 = ~~25.97~~ Ohms.

Drilling Water Resistivity = ~~26.43~~ Ohms.

Approx Water Level = 7 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 20	10	Sand & kankar	
4.	20 - 38	18	Clay kankar	
5.	38 - 42	12	Medium sand	Good
6.	42 - 48	6	Clay kankar	
7.	48 - 60*	12	Medium sand	Good
8.	60 - 77	17	Clay kankar	
9.	77 - 102*	25	Medium sand	Good
10.	102 - 107	5	Clay kankar	
11.	107 - 120*	13	Medium sand	Good
12.	120 - 136	16	Clay kankar	
13.	136 - 157*	21	Medium sand	Good
14.	157 - 161	4	Clay kankar	
15.	161 - 165*	4	Medium sand	Good

Ground Water Survey Consultancy



- Logging performed as per SWSM guideline

- Groundwater quality interpreted by firm as per their logger calibration.

CSH