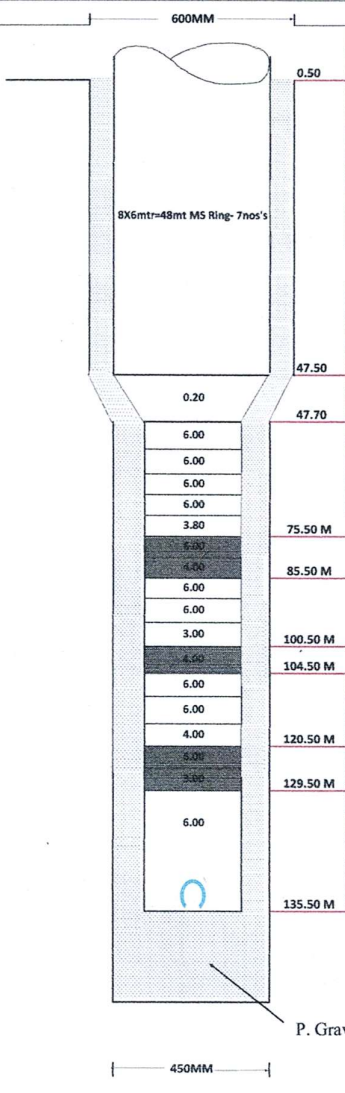


COMPLETION PLAN OF TUBEWELL

NAME OF WORK :- Construction of T.W. of G.P - Gharyaniya , Block- Kumbhigola , Distt. Lakhimpur,
NAME OF PROGRAMME :- JJM-2,
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 :- 313/ED/2022-23/V Dt. 02.08.2022
Lowered Assembly Chart of T.W. of G.P- Gharyaniya , Block- Kumbhigola , Distt. Lakhimpur,

Strata	
0-5	Surface soli
5-11	Fine Sand
11-25	Clay kankar
25-40	Medium Sand
40-46	Clay kankar
46-56	Medium Sand
56-64	Clay kankar
64-70	Fine to Medium Sand
70-75	Clay kankar
75-86	Medium Sand
86-100	Clay kankar
100-105	Fine to Medium Sand
105-120	Clay kankar
120-130	Medium Sand
130-145	Clay kankar
145-150	Fine to Medium Sand
150-161	Clay kankar
161-165	Fine to Medium Sand



ABSTRACT		
1-	Type of Rig Machine	R.C. CUM D.C.
2-	Required Discharge	700 LPM
3-	Bore Size (MM)	600x450
4-	Assembly size (MM)	300x150
5-	Drilling Starting Date	06-08-2023
6-	Drilling Completion Date	12-08-2023
7-	Total Depth of Drilling	165 Mtr
8-	Logging Date	13-08-2023
9-	Logging Depth	165.00 Mtr

Logging Report By Water Investigation Ceter				
S. No.	Depth Range (mbgl)	Thickness (M.)	Lithology	Remarks
1	46-56	10	Mediun Sand	Good
2	64-70	6	Fine to M. S.	Good
3	75-86	11	Mediun Sand	Good
4	100-105	5	Fine to M. S.	Good
5	120-130	10	Mediun Sand	Good
6	145-150	5	Fine to M. S.	Good
7	161-165	4	Fine to M. S.	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
120.50 M	(ii)	150 mm Dia M.S Slotted Pipe 23.00 Meter
129.50 M	(iii)	150 mm Dia M.S Plain Pipe 64.80 Meter
	(iv)	300 X 150 mm Dia M.S Reducer 0.20 Meter
Total		136.00
AGL		0.50
BGL		135.50
Date Of Lowering		15-08-2023

Recommended & Prepared by *[Signature]* **SR.PROJECT MANAGER**
 M/S NCC LIMITED

Verified & Checked By *[Signature]* **TPI**
 M/s Ceinsys Tech Ltd

Recommended By *[Signature]* **J.E.**
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 U.P. Jal Nigam(Rural)
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Approved By *[Signature]* **A.E.**
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 Lucknow

Divisional Office (E&M)
 U.P. Jal Nigam(Rural)
 Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT-GHARAYNIYA, BLOCK- KUMBHIGOLA, DISTT- LAKHIMPUR KHI 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 13.Aug.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 = 19.42 Ohms.

Drilling Water Resistivity = 18.60 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 - 11	6	Fine sand	
3.	11 - 25	14	Clay kankar	
4.	25 - 40	15	Medium sand	Good
5.	40 - 46	6	Clay kankar	
6.	46 - 56*	10	Medium sand	Good
7.	56 - 64	8	Clay kankar	
8.	64 - 70*	6	Fine to medium sand	Good
9.	70 - 75	5	Clay kankar	
10.	75 - 86*	11	Medium sand	Good
11.	86 - 100	14	Clay kankar	
12.	100 - 105*	5	Fine to medium sand	Good
13.	105 - 120	15	Clay kankar	
14.	120 - 130*	10	Medium sand	Good
15.	130 - 145	15	Clay kankar	
16.	145 - 150*	5	Fine to medium sand	Good
16.	150 - 161	11	Clay kankar	
17.	161 - 165*	4	Fine to medium sand	Good

Ground Water Survey Consultancy
Agra

