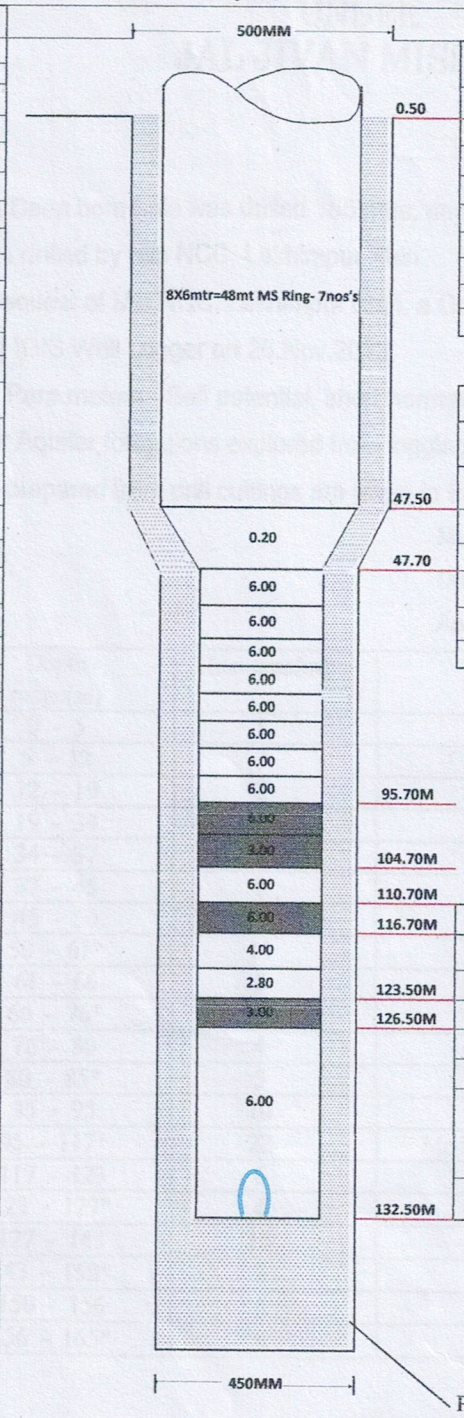
COMPLETION PLAN OF TUBEWELL

NAME OF WORK	:-	Construction of T.W- of G.P - Salahpur, Block - Mitauli ,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	:-	12/ED/Phase-3/2021-22 Dated on 24.12.2022
COVER AGREEMENT	:-	260/ED/Phase3/2022-23/X, Dated 24.12.2022

Lowered Assembly Chart of T.W. of G.P- Salahpur, Block - Mitauli ,Distt. Lakhimpur

Strata	
0-5	Surface soli
5-12	Medium Sand
12-19	Clay kankar
19-34	Medium Sand
34-37	Clay kankar
37-45	Medium Sand
45-50	Clay kankar
50-61	Medium Sand
61-66	Clay kankar
66-76	Medium Sand
76-80	Clay kankar
80-85	Medium Sand
85-95	Clay kankar
95-117	Medium Sand & kankar
117-123	Clay kankar
123-127	Medium Sand
127-143	Clay kankar
143-150	Medium Sand
150-156	Clay kankar
156-165	Medium Sand



ABSTRACT

1-	Type of Rig Machine	R.C. CUM D.C.
2-	Required Discharge	440 LPM
3-	Bore Size (MM)	500x450
4-	Assembly size (MM)	200x150
5-	Drilling Starting Date	19-11-2023
6-	Drilling Completion Date	25-11-2023
7-	Total Depth of Drilling	165.00 Mtr
8-	Logging Date	26-11-2023
9-	Logging Depth	165.00 Mtr

Logging Report By Water Investigation Ceter

S. No.	Depth Range (mbgl)	Thickness (M.)	Lithology	Remarks
1	50-61	11	Medium Sand	Good
2	66-76	10	Medium Sand	Good
3	80-86	5	Medium Sand	Good
4	95-117	22	M.S. & kankar	Good
5	123-127	4	Medium Sand	Good
6	143-150	7	Medium Sand	Good

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

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

Details of Lowered Assembly

11		
	(i)	200 mm Dia Housing Pipe — 48.00 Meter
	(ii)	150 mm Dia M.S Slotted Pipe — 18.00 Meter
	(iii)	150 mm Dia M.S Plain Pipe — 66.80 Meter
	(iv)	200 X 150 mm Dia M.S Reducer — 0.20 Meter
		Total — 133.00
		AGL — 0.50
		BGL — 132.50
		Date Of Lowering — 29-11-2023

Recommended & Prepared by	Verified & Checked By	Recommended By		Approved By
M/s NCC LTD.	TPI M/s Ceincys Tech Ltd	J.E. Divisional Office (E&M) U.P. Jal Nigam(Rural) Lucknow	A.E. Divisional Office (E&M) U.P. Jal Nigam(Rural) Lucknow	E.E. Divisional Office (E&M) U.P. Jal Nigam(Rural) Lucknow

NCC LIMITED LAKHIMPUR KHERI

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- SALAHPUR, BLOCK- MITAULI, 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 26.Nov.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 = 22.76 Ohms.

Drilling Water Resistivity = 23.52 Ohms.

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Medium sand	
3.	12 - 19	7	Clay kankar	
4.	19 - 34	15	Medium sand	Good
5.	34 - 37	3	Clay kankar	
6.	37 - 45	8	Medium sand	Good
7.	45 - 50	5	Clay kankar	
8.	50 - 61*	11	Medium sand	Good
9.	61 - 66	5	Clay kankar	
10.	66 - 76*	10	Medium sand	Good
11.	76 - 80	4	Clay kankar	
12.	80 - 85*	5	Medium sand	Good
13.	85 - 95	10	Clay kankar	
14.	95 - 117*	22	Medium sand & kankar	Good
15.	117 - 123	6	Clay kankar	
16.	123 - 127*	4	Medium sand	Good
17.	127 - 143	16	Clay kankar	
18.	143 - 150*	7	Medium sand	Good
19.	150 - 156	6	Clay kankar	
20.	156 - 165*	9	Medium sand	Good

Ground Water Survey Consultancy
Agra

Scanned with CamScanner

Date 27/11/2023 G.P. Sallahpur. NRC JIVANDEEP Khere

WL 2 mtr

Block: Metauli - Khere

R. Disch: 440 LPM (7.5 HP)

A. Size: 200 x 150 MM ϕ

B. Size: 500 x 450

Logging Date - 26-11-2023

1/8 50 - 61 - 11 M

2/10 66 - 76 - 10

3/12 80 - 85 - 5 - 8

4/14 95 - 117 - 22 (Medium/kankar) - 9 + 6

5/16 123 - 127 - 4 - 3

6/18 143 - 150 - 7

1- 200 MM ϕ Housing - 48.00

2- 150 MM ϕ Plain - 66.80

3- 150 MM ϕ Slot - 18.00

4. 200 x 150 Reducer - .20

133.00 mtr

200 x 150 ϕ 0.50 M

6 x 8

48 M

47.50

0.20 47.70

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00 48.00 - 95.70

6.00

3.00 - 104.70

6.00 - 110.70

6.00 - 116.70

4.00

2.80 6.80 - 123.50

3.00 - 126.50

0 6.00 - 132.50 mtr

(Nilkas Yadav)