

COMPLETION PLAN OF TUBEWELL

NAME OF WORK :- Construction of T.W- of G.P - Harriya, Block - Behjam ,Distt. Lakhimpur

NAME OF PROGRAMME :- JJM-3,

NAME OF CLIENT :- SW.S.M. & U.P.JAL NIGAM

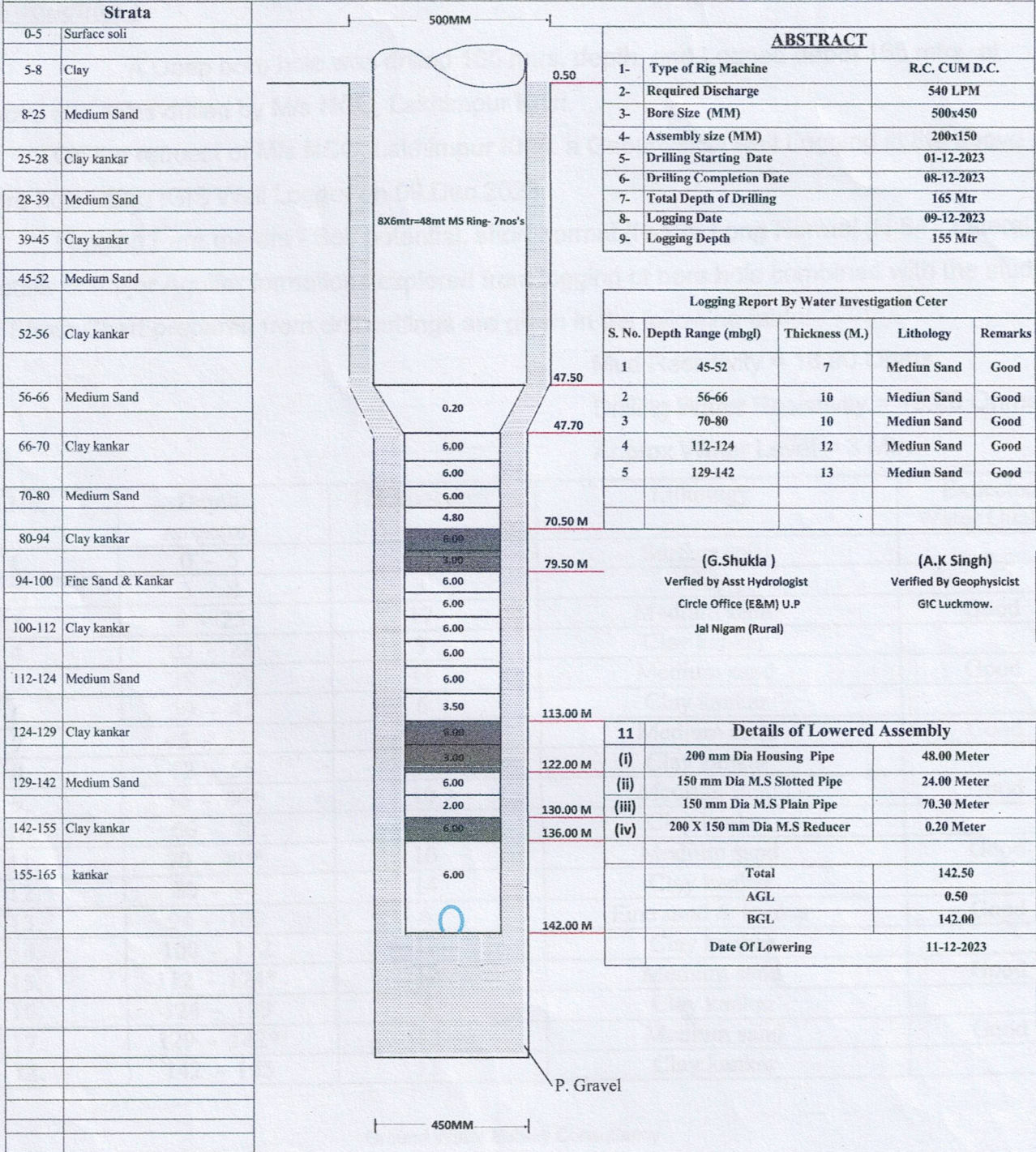
NAME OF CONTRACTOR :- M/S NCC Limited

NAME OF TPI :- Ceinsys Tech Limited

CONTRACT AGREEMENT :- 12/ED/Phase-3/2022-23 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-Harriya, Block - Behjam ,Distt. Lakhimpur



Recommended & Prepared by

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HARRIYA, BLOCK- BEHJAM, DISTT-LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 155 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 09.Dec.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:-

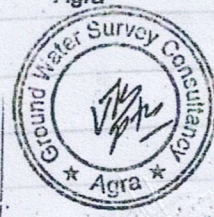
Mud Resistivity = 18.90 Ohms.

Drilling Water Resistivity = 19.20 Ohms.

Approx Water Level = 3 Mtr.

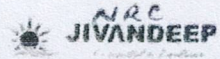
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay	
3.	8 - 25	17	Medium sand	Good
4.	25 - 28	3	Clay kankar	
5.	28 - 39	11	Medium sand	Good
6.	39 - 45	6	Clay kankar	
7.	45 - 52*	7	Medium sand	Good
8.	52 - 56	4	Clay kankar	
9.	56 - 66*	10	Medium sand	Good
10.	66 - 70	4	Clay kankar	
11.	70 - 80*	10	Medium sand	Good
12.	80 - 94	14	Clay kankar	
13.	94 - 100	6	Fine sand & kankar	Good
14.	100 - 112	12	Clay kankar	
15.	112 - 124*	12	Medium sand	Good
16.	124 - 129	5	Clay kankar	
17.	129 - 142*	13	Medium sand	Good
18.	142 - 155	13	Clay kankar	

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING

Date 9/12/23 AT G.P. Harriya



Well Block Behjam Kheri
 R. Disch: 540 LPM (10 H.P.)
 A Size: 200 x 150 MMφ
 B Size: 500 x 450 MMφ
 Logging Date 9/11/2023

1/7	45 - 52 - 7M	9.20	47.50
2/9	56 - 66 - 10 - 6	6.00	47.70
3/11	70 - 80 - 10 - 9	6.00	
4/15	112 - 124 - 12 - 9	6.00	
5/17	129 - 142 - 13 - 6	4.80	22.80 - 70.50
		70-80 / 10.00	6.00
			3.00 - 79.50

Expected Water Quality	Lithology	Thickness (m)	Start (m)	End (m)
1	200 MM φ Housing	48.00m		
2	150 MM φ Plain	70.30		
3	150 MM φ SCOT	24.00		
4	200 x 150 MM φ Reducer	0.20		
		142.50 mtr		
	Medium sand	112-124 / 12M	33.50	113.00
	Clay kankar		6.00	
	Medium sand		3.00	122.00
	Clay kankar		6.00	
	Medium sand		2.00	
	Fine sand & kankar	129-142 / 13M	8.00	130.00
	Clay kankar		6.00	136.00
	Medium sand		6.00	142.00
	Clay kankar			
	Medium sand			
	Clay kankar			

(Vikas Yadav) ge.

