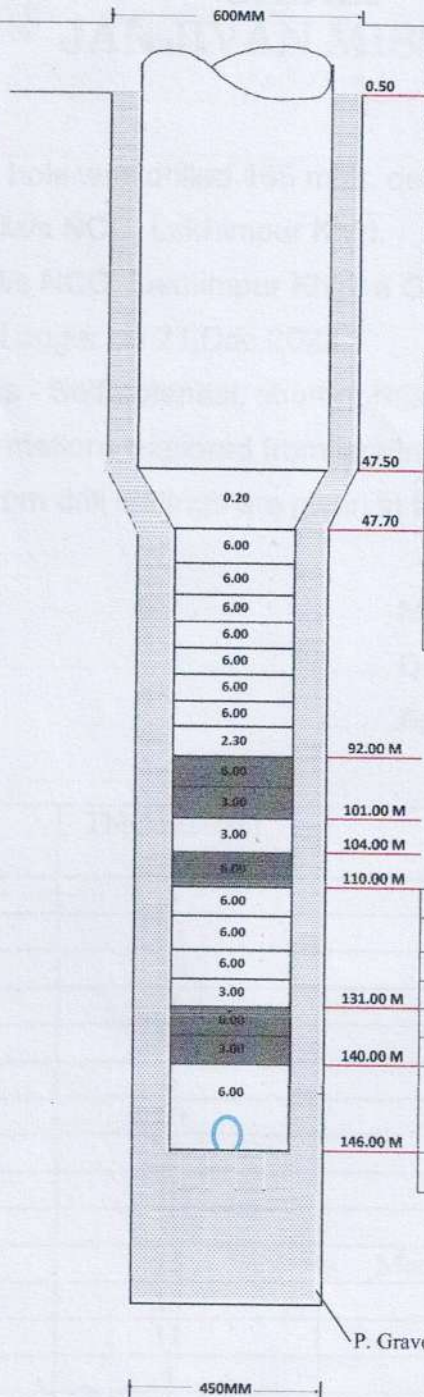


COMPLETION PLAN OF TUBEWELL

NAME OF WORK :- Construction of T.W- of G.P - Bacchepara, Rari, 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 :- 358/ED/Phase3/2022-23/XIV,Dated 03.02.2023

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

Strata	
0-5	Surface soli
5-26	Clay kankar
26-36	Medium Sand
36-43	Clay kankar
43-50	Medium Sand
50-56	Clay kankar
56-66	Medium Sand
66-75	Clay kankar
75-85	Medium Sand
85-91	Clay kankar
91-116	Medium Sand & Kankar
116-130	Clay kankar
130-141	Medium Sand
141-145	Clay kankar
145-156	Medium Sand
156-165	Clay kankar



ABSTRACT		
1-	Type of Rig Machine	R.C. CUM D.C.
2-	Required Discharge	660 LPM
3-	Bore Size (MM)	600x450
4-	Assembly size (MM)	300x150
5-	Drilling Starting Date	14-12-2023
6-	Drilling Completion Date	20-12-2023
7-	Total Depth of Drilling	165 Mtr
8-	Logging Date	21-12-2023
9-	Logging Depth	163 Mtr

Logging Report By Water Investigation Ceter				
S. No.	Depth Range (mbgl)	Thickness (M.)	Lithology	Remarks
1	56-66	10	Medium Sand	Good
2	75-85	10	Medium Sand	Good
3	91-116	25	M.S & kankar	Good
4	130-141	11	Medium Sand	Good
5	145-156	11	Medium 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	300 mm Dia Housing Pipe	48.00 Meter
(ii)	150 mm Dia M.S Slotted Pipe	24.00 Meter
(iii)	150 mm Dia M.S Plain Pipe	74.30 Meter
(iv)	300 X 150 mm Dia M.S Reducer	0.20 Meter
Total		146.50
AGL		0.50
BGL		146.00
Date Of Lowering		23-12-2023

Recommended & Prepared by _____ Verified & Checked By _____ Recommended By _____ Approved By _____



TPI
 M/s Ceinsys Tech Ltd

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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 163 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 21.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 = 22.56 Ohms.

Drilling Water Resistivity = 23.60 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 26	21	Clay kankar	
3.	26 - 36	10	Medium sand	Good
4.	36 - 43	7	Clay kankar	
5.	43 - 50	7	Medium sand	Good
6.	50 - 56	6	Clay kankar	
7.	56 - 66*	10	Medium sand	Good
8.	66 - 75	9	Clay kankar	
9.	75 - 85*	10	Medium sand	Good
10.	85 - 91	6	Clay kankar	
11.	91 - 116*	25	Medium sand & kankar	Good
12.	116 - 130	14	Clay kankar	
13.	130 - 141*	11	Medium sand	Good
14.	141 - 145	4	Clay kankar	
15.	145 - 156*	11	Medium sand	Good
16.	156 - 163	7	Clay kankar	

Ground Water Survey Consultancy

