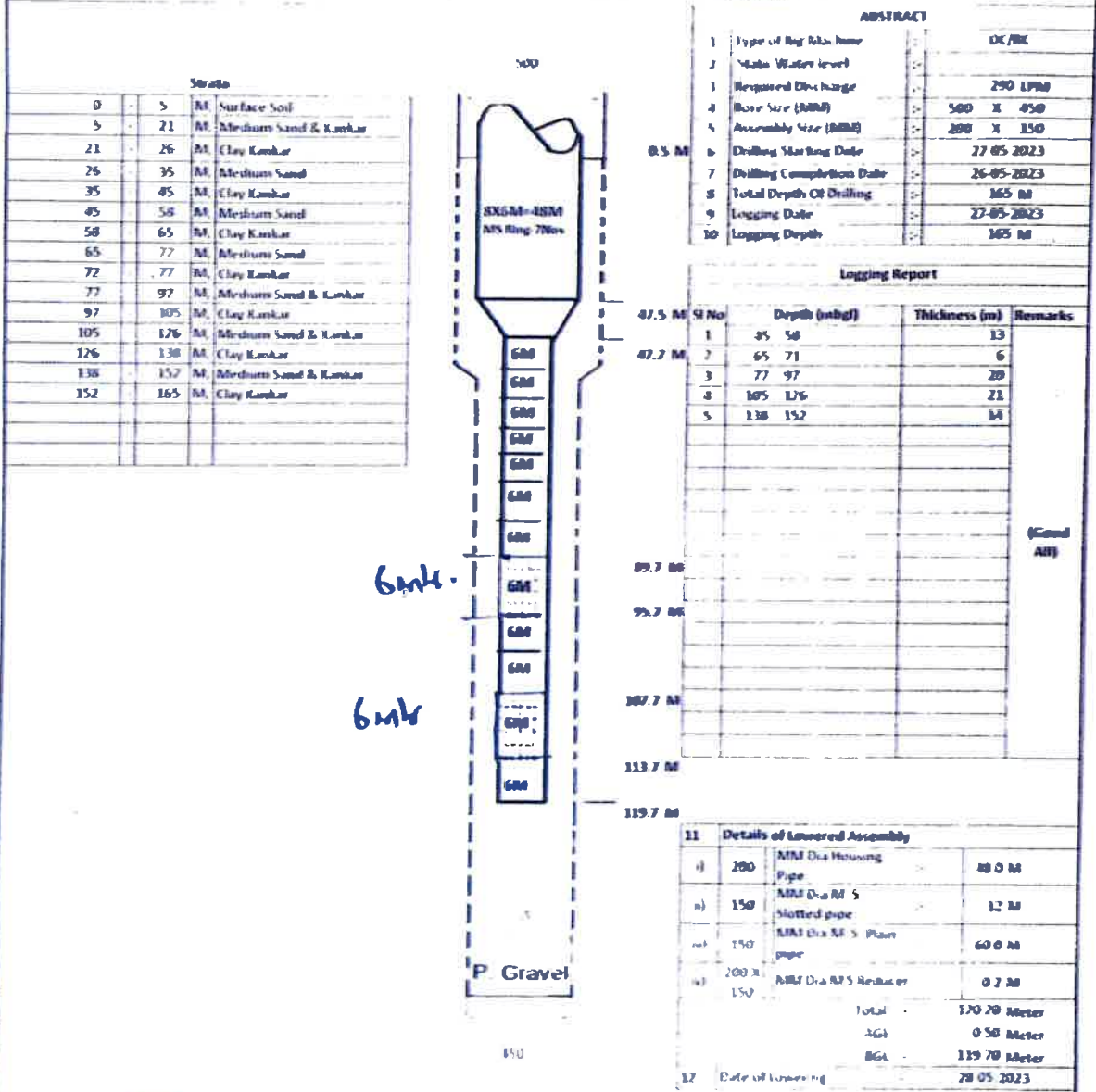


**Completion Plan Of Tubewell**

Name Of Work : Construction of T. W. of G.P. Sonam, Block, Pargana, District, Luckhimpur Khari.  
 Name Of Program : I. I. M  
 Name of class : S.W.S.M. & U.P. M. NIGAM (R)  
 Name Of Contractor : M/S NCC Limited  
 Name Of TPI : Colways Tech Limited  
 Contract Agreement : 13/ED/Phase-1/2021-22, date 07.01.2022  
 Cover Agreement : 497/ED/Phase-1/2022-23/ADL, Dated 01.03.2023

Lowered Assembly Chart of T. W. of Sonam G.P.W/S Scheme District: Luckhimpur Khari.



Recommended & Prepared by: *[Signature]*  
 M/S NCC Ltd  
 Verified by: *[Signature]*  
 M/S Colways Tech Ltd

VIKAS K. YADAV  
 JUNIOR ENGINEER  
 DIVISIONAL OFFICE  
 U.P. JAL NIGAM  
 LUCKNOW

Recommended by: *[Signature]*  
 Approved by: *[Signature]*  
 Assistant Engineer  
 13th Division U.P. Jal Nigam (R) Lucknow.  
 Divisional officer (E.S.M)  
 U.P. Jal Nigam (R)  
 Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- SUNAURA, BLOCK- PASGAWAN, 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 27.May.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 = ~~22.37~~ Ohms.

Drilling Water Resistivity = ~~23.62~~ Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 21	16	Medium sand & kankar	Good
3.	21 - 26	5	Clay kankar	
4.	26 - 35	9	Medium sand	Good
5.	35 - 45	10	Clay kankar	
6.	45 - 58*	13	Medium sand	Good
7.	58 - 64	6	Clay kankar	
8.	65.64 - 72*	8.7	Medium sand	Good
9.	72 - 77	5	Clay kankar	
10.	77 - 100* 97	23.20	Medium sand & kankar	Good
11.	100 - 105	5	Clay kankar	
12.	105 - 126*	21	Medium sand & kankar	Good
13.	126 - 138	12	Clay kankar	
14.	138 - 152*	14	Medium sand & kankar	Good
15.	152 - 165	13	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per  
SWSM guidelines  
- Groundwater quality  
interpreted by firm  
as per their logger  
calibration / G.Gh  
27/05/23