

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DIMRAUL, BLOCK- BIJUA, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 175 mtrs. depth. and Logged depth ~~185~~ 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.Jan.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 = ~~15.83~~ Ohms.

Drilling Water Resistivity = ~~18.72~~ 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 - 17	12	Clay kankar	
3.	17 - 25	8	Clay kankar	
4.	25 - 35	10	Fine sand	
5.	35 - 57°	22	Medium sand	Medium
6.	57 - 62	5	Clay kankar	
7.	62 - 76°	14	Medium sand	Medium
8.	76 - 82	6	Clay kankar	
9.	82 - 90°	8	Medium sand	Medium
10.	90 - 102	12	Clay kankar	
11.	102 - 113°	11	Medium sand	Medium
12.	113 - 122	9	Clay kankar	
13.	122 - 135°	13	Medium sand	Medium
14.	135 - 140	5	Clay kankar	
15.	140 - 144°	4	Medium sand	Medium
16.	144 - 165	21	Clay kankar	



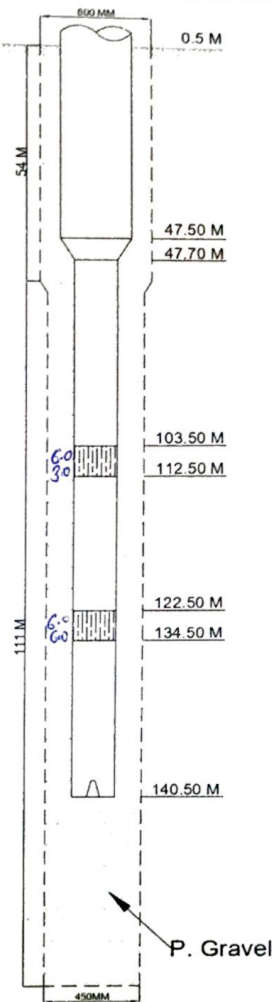
- Logging performed as per
SWSM guidelines.
- Ground water quality
interpreted by form as per
their logger calibration.
Scanned with CamScanner 1/11/23

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Dimraul, Block- Bijua, District, Lakhimpur Kheri.
 Name Of Program :- J. J. M-2
 Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)
 Name Of Contractor :- M/S NCC Limited
 Name Of TPI :- Ceinsys Tech Limited
 Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021
 Cover Agreement :- 102/ED/Phase-2/2022-23/VI

Lowered Assembly Chart of T. W of Dimraul G.P W/S Scheme District :- Lakhimpur Kheri.

Strata	
0	5 M. Surface Soil
5	17 M. Clay Kankar
17	25 M. Clay Kankar
25	35 M. Fine Sand
35	57 M. Medium Sand
57	62 M. Clay Kankar
62	76 M. Medium Sand
76	82 M. Clay Kankar
82	90 M. Medium Sand
90	102 M. Clay Kankar
102	113 M. Medium Sand
113	122 M. Clay Kankar
122	135 M. Medium Sand
135	140 M. Clay Kankar
140	144 M. Medium Sand
144	165 M. Clay Kankar



ABSTRACT		
1	Type of Rig Machine	DC/RC
2	Static Water level	-
3	Required Discharge	500 LPM
4	Bore Size (MM)	500 X 450
5	Assembly Size (MM)	200 X 150
6	Drilling Starting Date	08-01-2023
7	Drilling Completion Date	12-01-2023
8	Total Depth Of Drilling	175 M
9	Logging Date	13-01-2023
10	Logging Depth	165 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	62 76	5	(Good All)
2	82 90	12	
3	102 113	8	
4	122 135	10	
5	140 144	22	
6		5	
7		14	
8		6	
9		8	
10		12	
11		11	
12		9	
13		13	
14		5	
15		4	
16		21	

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	48 M
ii)	150	MM Dia M. S. Slotted pipe	21 M
iii)	150	MM Dia M. S. Plain pipe	71.8 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
		Total	141.00 Meter
		AGL	0.50 Meter
		BGL	140.50 Meter
12	Date of Lowering	14.01.23	

Recommended & Prepared by

M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd.

Recommended by

Ashish
J.E
13th Division UP Jal Nigam (R) Lucknow

Vinod
A.E
13th Division UP Jal Nigam (R) Lucknow

Approved by

Pr
13th Division U.P. Jal Nigam (R) Lucknow

ASHISH KUMAR
JUNIOR ENGINEER
DIVISIONAL OFFICE (E&M)
U.P. JAL NIGAM (R)
LUCKNOW

Vinod Kumar
Assistant Engineer
Divisional officer (E&M)
U.P. Jal Nigam (R)
Lucknow