



UTTAR PRADESH JAL NIGAM

6, Rana Pratap Marg, Lucknow-226001

Ref.

Geophysical Borehole Logging Report

Name of the site : Kudsar

District : Mau

Date : 14.07.2014

Depth logged : 185.0 mbgl

Depth drilled : 200.0 mbgl

Logger used : AXWS

Presence : Er. Surendra Yadav, J.E.

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	43.0-----47.0	4.0	Good
2	52.0-----56.0	4.0	
3	63.0-----66.0	3.0	
4	73.0-----86.0	13.0	Moderate
5	108.0-----115.0	7.0	
6	118.0-----126.0	8.0	

Note.

(Dr. R. A. Yadav)

Manager(General)

Copy,

1. C.E.(E/M), U.P. Jal Nigam, Lucknow.
2. E.E., T.C.D.(E/M), U.P. Jal Nigam, Mau
for information and necessary action.

Manager(Ground Water)

OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)

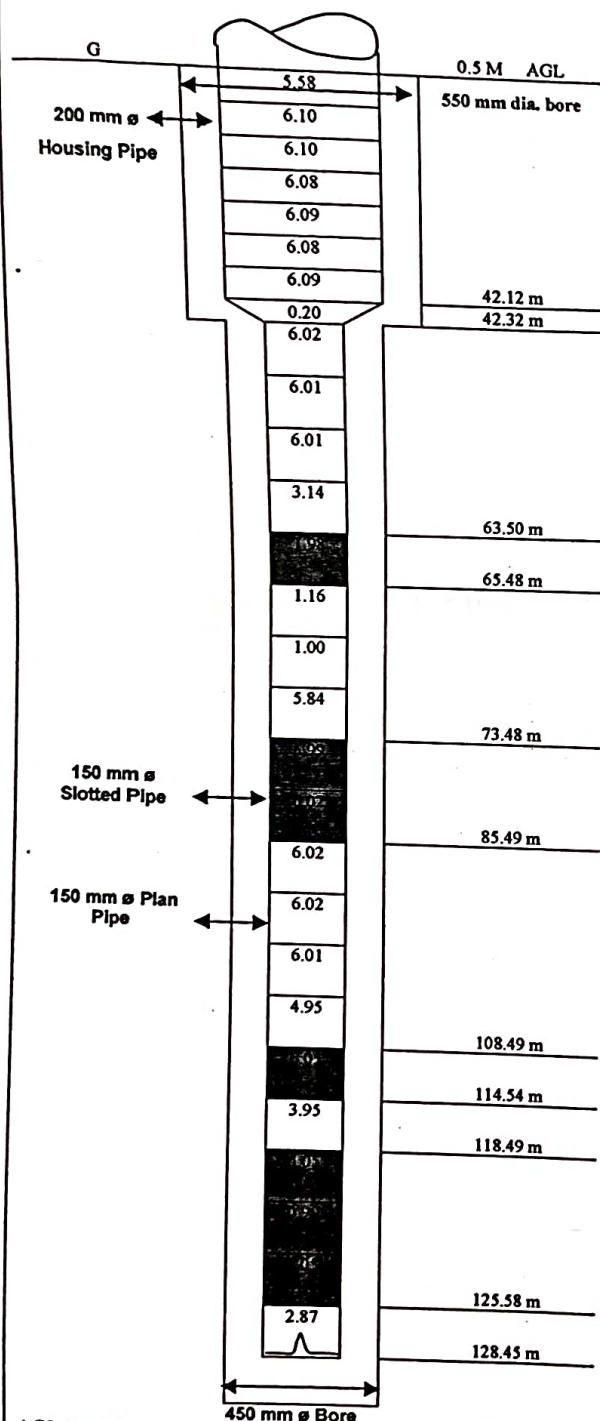
U.P. JAL NIGAM, MAU

Completion plan of T.W. at
Name of Programme / T.W. Location

Kudsar T.W. Distt. Mau
N.R.W.S.P.

(Not to Scale)

Detail of Strata



Detail of Lowering

1	Drilling depth	200 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Drilling started on	06-07-2014
4	Drilling completed on	22-07-2014
5	Date of lowering	23-07-2014
6	Total housing pipe dia 200 mm	42.62 mt.
7	Total Plain pipe dia 150 mm	59.0 mt.
8	Total Slotted pipe dia 150 mm	27.13 mt.
9	Size of assembly lowering	200mm ϕ x 150 mm ϕ
10	Static Water level	6.50 mts.

Detail of Strata

From (m)	To (m)	Thick (m)	Despriction of the Strata
0	6	6	Surface Clay
6	18	12	Sandy Clay
18	36	18	Kankar With Clay
36	42	6	Caving Clay
42	48	6	Clay
48	54	6	Small Kankar With Clay
54	60	6	Sandy Clay
60	66	6	Fine Sand
66	72	6	Kankar Clay
72	90	18	Fine Sand
90	96	6	Caving Clay
96	108	12	Sandy Clay
108	114	6	Very Fine Sand
114	117	3	Sandy Clay
117	126	9	Fine Sand
126	138	12	Kankar Clay
138	156	18	Sandy Clay
156	162	6	Caving Clay
162	180	18	Sandy Clay With Kankar
180	200	20	Sticky Clay

Logging Report

Date 14-07-2014			
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TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR																
Date of Test 08-08-2014																
Sl. No	Air line Lower in mtr.	Pressure in kg/cm ²		Depression		Discharge through 90° V-notch	Sand contents in P.P.M.							Remark		
		Starting	Running	In kg/cm	In mtr.		In cm.	Inches	In L.P.N	After						
										Starting	5 Min	10 Min	15 Min		20 Min	25 Min
1	75	7.65	7.0	0.65	6.5	9"	2107	6800	4700	3500	2400	1900	1600	1200		
Note- Recommended for development by O.P. unit																
YIELD TEST REPORT OF THE																

Note- Recommended for development by O.P. unit

YIELD TEST REPORT OF T.W BY O.P. UNIT

FIELD TEST REPORT OF T.W BY O.P. UNIT												
Date of Test		04-10-2014										
Sl.No.	Discharge By Water Meter	S.W.L In Mts.	R.W.L In Mts.	Depression in Mts.	Sand contents in P.P.M.							Remark
	L.P.M				Starting	After						
						5 Min	10 Min	15 Min	20 Min	25 Min	30Min	
1	800	6.10	10.0	3.9	500	100	50	Tr	Tr	Tr	Tr	
2	600	6.10	9.6	3.5	400	50	Tr	Tr	Tr	Tr	Tr	
3	500	6.10	9.4	3.3	350	50	Tr	Cl	Cl	Cl	Cl	

Note- Recommended discharge 500 LPM at 3.3 m. depression pump should be run for 15 minutes through the by pass..

(Surendra Yadav)
J. E.

(J.K. Gupta)
Assistant Engineer

(R.S. Singh)
Executive Engineer

M/s Harish Chandra Singh

Manager