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UTTAR PRADESH JAL NIGAM

6, Rana Pratap Marg, Lucknow-226001

Ref.

Geophysical Borehole Logging Report

Name of the site : Dangauli

District : Mau

Date : 01.08.2015

Depth logged : 274.0 mbgl

Depth drilled : 275.0 mbgl

Logger used : AXWS

Presence : Er. Surendra Yadav, A.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	50.0-----68.0	18.0	Good all
2	75.0-----85.0	10.0	
3	90.0-----95.0	5.0	
4	115.0----119.0	4.0	
5	150.0-----170.0	20.0	
6	178.0-----185.0	7.0	
7	220.0-----245.0	25.0	
8	263.0-----273.0	10.0	

Note. Sl. Nos. 3 & 4 are fine sand.

(Dr.R.A.Yadav)
Manager(Ground Water)

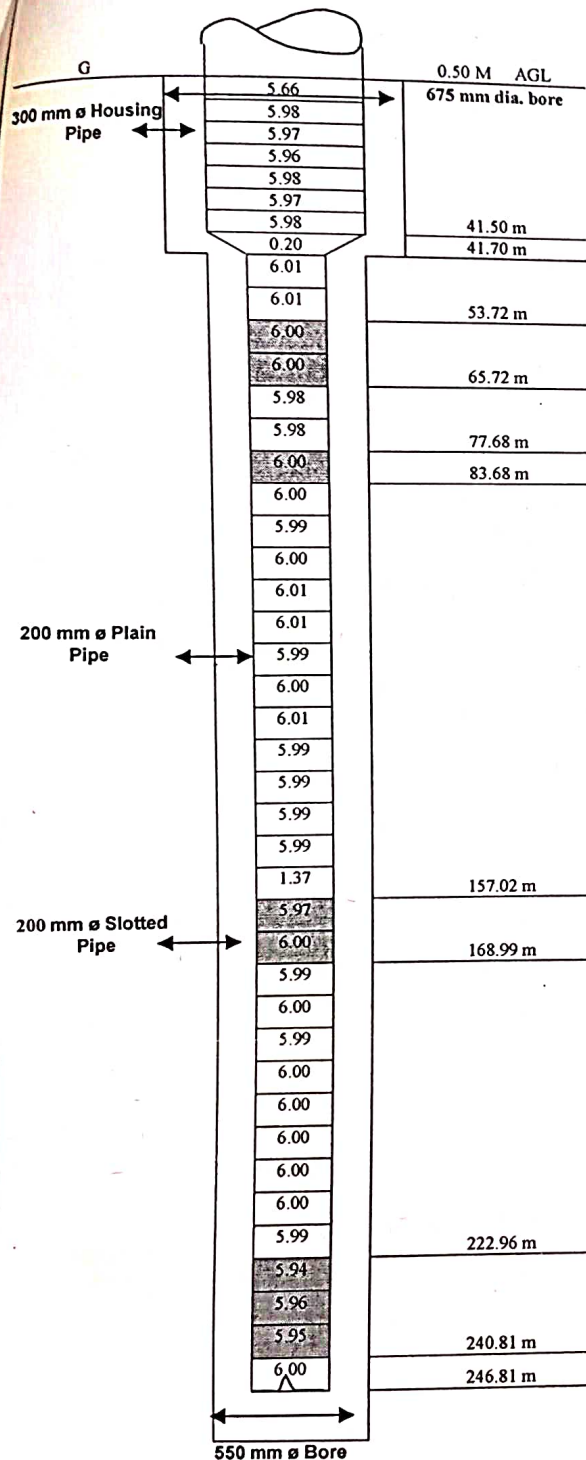
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1. Manager (G.W.), U.P.Jal Nigam, Lucknow.
2. E.E., T.C.D.(E/M), U.P.Jal Nigam, Mau
for information and necessary action.

OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)
U.P. JAL NIGAM, MAU

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Dangauli
T.W. water supply scheme, Block- Kopaganj , District- Mau.

Detail of Strata



AGL + BGL
 0.50 + 246.81 = 247.31 mts.

(Not to Scale)

Detail of Lowering

1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Drilling started on	23-07-2015
4	Drilling completed on	12-08-2015
5	Date of lowering	12-08-2015
6	Total housing pipe dia 300 mm	42.00 mt.
7	Total Plain pipe dia 200 mm	157.29 mt.
8	Total Slotted pipe dia 200mm	47.82 mt.
9	Size of assembly lowering	300mm x 200 mm
10	M.S. Reducer 300mm x 200 mm	0.2 mt.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	3	3	Surface Clay
3	24	21	Sandy Clay
24	48	24	Clay with Kankar
48	54	6	Fine Sand
54	96	42	Fine to medium Sand
96	132	36	Fine Sand with Kankar Clay
132	153	21	Clay Kankar
153	159	6	Fine Sand with Kankar
159	165	6	Fine Sand
165	183	18	Fine Sand with Kankar
183	195	12	Fine Sand with Kankar Clay
195	207	12	Fine Sand
207	219	12	Clay
219	240	21	Fine to medium Sand
240	246	6	Fine Sand
246	275	29	Clay with Sand

Logging Report

Date 01-08-2015

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8	263.0 - 273.0	10.0	

TEST REPORT OF T.W. DEVOLOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test : - 12-02-2016

Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depression in		Starting Sand in P.P.M.	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M.	Startin g	Runnin g	Kg/cm ²	mts		5Min	10Min	15Min	20Min	
1	9½	2410	23.5	22.6	0.90	9.00	4200	1800	1200	800	600	

Note- Recommended for development of T/W by O.P. Unit.

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

Discharge measured by orifice meter- 150 x125 mm size. Date of Test : - 15-03-2016

Sl. No.	Discharge		Water level in mts.		Depression in meters	Sand contents in P.P.M.					Remark
	In Inches	In L.P.M	Running g	Static		Starting g	After				
							5Min	10 Min	15 Min	20 Min	
1	35	3291	12.50	9.00	3.50	1400	200	150	100	50	Recommended discharge 1200 LPM at 2.10 M. depression
2	25	2769	12.00	9.00	3.00	800	100	50	30	20	
3	20	2497	11.70	9.00	2.70	300	100	30	20	10	
4	14	2080	11.50	9.00	2.50	200	50	30	20	Tr	
5	6	1362	11.10	9.00	2.10	100	50	20	Tr	Cl	

Note - Recommended 20 minute operation initially of pumping plant in by pass due to fine sand strata.

M/s Harish Cnandra Singh

(M/s Harishchandra Singh)
 Gorakhpur
 Contractor

(Surenra Yadav)
 J. E.

(S.N. Singh)
 Assistant Engineer

(N.A. Khan)
 Executive Engineer