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UTTAR PRADESH JAL NIGAM

6, Rana Pratap Marg, Lucknow-226001

Ref.

Geophysical Borehole Logging Report

Name of the site : Sarwa Bheeti

District : Mau

Date : 11.11.2016

Depth logged : 270.0 mbgl

Depth drilled : 275.0 mbgl

Logger used : AX

Presence : Er. Rajesh, 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	75.0----80.0	5.0	Good all
2	90.0----103.0	13.0	
3	115.0----119.0	4.0	
4	121.0----125.0	4.0	
5	155.0----185.0	30.0	
6	195.0----210.0	15.0	
7	214.0----218.0	4.0	
8	225.0----235.0	10.0	

Note. All zones are intermixed with fine bands of kanker. Sl.No.1 is very fine sand.

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

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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.

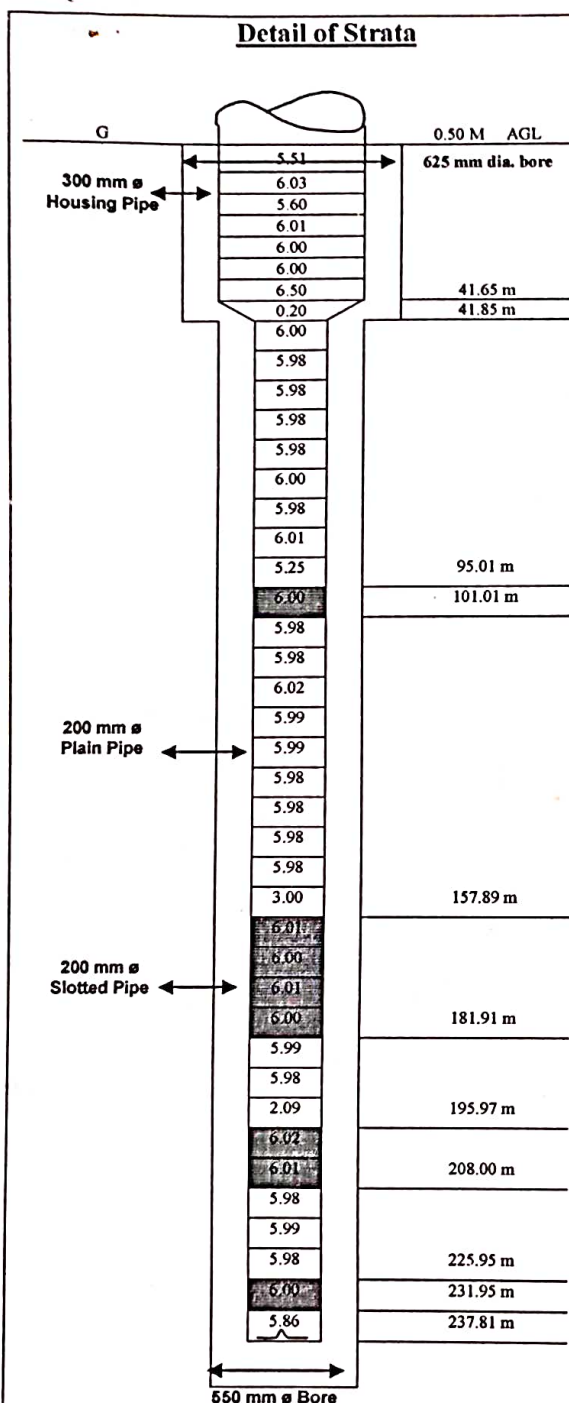
OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)

U.P. JAL NIGAM, MAU

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Sarwa (Pardaha)

T.W. No.- 1 water supply scheme, Block- Pardaha, District- Mau.

(Not to Scale)



AGL + BGL
0.50 + 237.81 = 238.31 mts.

Detail of Lowering Date- 23-11-2016

1	Drilling depth	275 mts
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 300 mm	42.15 mt.
4	Total Plain pipe dia 200 mm	147.91 mt.
5	Total Slotted pipe dia 200 mm	48.05 mt.
6	Size of assembly lowering	300mm ϕ x 200 mm ϕ
7	300mm ϕ x 200 mm ϕ M.S. Reduser	0.20 mt

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	3	3	Surface Soil
3	48	45	Sandy Clay
48	93	45	Sandy Clay with Kankar
93	111	18	Medium Sand to Fine Sand
111	146	35	Sandy Clay with Kankar
146	200	54	Medium Sand to Fine Sand
200	235	35	Medium Sand to Fine Sand

Logging Report Date 11-11-2016

SL.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	75.0----80.0	5.0	Good all
2	90.0----103.0	13.0	
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Note. All zones are intermixed with fine bands of kanker. SL.No.1 is very fine sand.

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch. Date of Test : - 09-06-2017

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	10	2739	9.40	8.80	0.60	6.00	21000	6000	5000	4000	3000		
2	9	2107	9.40	8.90	0.50	5.00	8000	3000	2500	2000	1800		
3	8	1578	9.40	9.00	0.40	4.00	5000	2500	1800	1500	1200		
4	7	1143	9.40	9.10	0.30	3.00	3000	1500	1000	800	500		
Note- Recommended for development of T/W by O.P. Unit.													

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 : - 31-07-2017

Sl. No.	Discharge		Water level in mts.		Depres sion in meters	Sand contents in P.P.M.					Remark
	In Inches	In L.P.M	Runnin g	Static		Starting	After				
							5Min	10 Min	15 Min	20 Min	
1	30	3041	12.20	8.70	3.50	5000	4000	3000	1500	1300	
2	25	2769	11.70	8.70	3.00	2000	1200	1000	800	500	
3	20	2497	11.50	8.70	2.80	1300	600	250	150	Tr	
4	12	1929	11.20	8.70	2.50	500	100	50	Tr	Cl	

Recommended discharge 1200 LPM at 2.00 depression after 20 Min. in by pass.

(M/s Harish Chandra Singh)

Manager
(M/s Harishchandra Singh)
Gorakhpur
Contractor

(Rajesh Kumar)
J. E.

(S.N. Singh)
Assistant Engineer

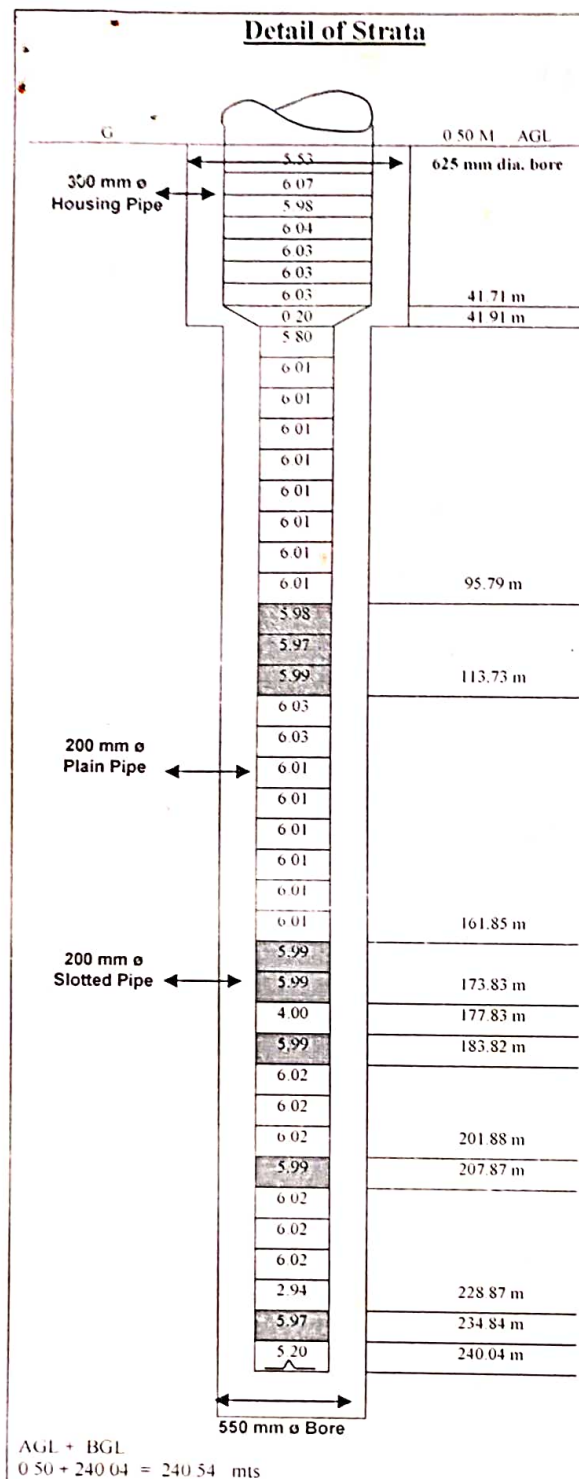
(N.A. Khan)
Executive Engineer

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 Sarwa (Pardaha) T.W. No.- 2 water supply scheme, Block- Pardaha, District- Mau.

(Not to Scale)



Detail of Lowering

Date- 01-06-2017

1	Drilling depth	275 mts
2	Drilling by contractor	D C Rig M/C
3	Total housing pipe dia 300 mm	42.21 mt
4	Total Plain pipe dia 200 mm	150.26 mt
5	Total Slotted pipe dia 200 mm	47.87 mt
6	Size of assembly lowering	300mm x 200 mm
7	300mm x 200 mm M S Reduser	0.20 mt

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	6	6	Surface Soil
6	30	24	Sandy Clay
30	60	30	Kankar Clay
60	66	6	Very Fine Sand with Kankar
66	95	29	Kankar
95	102	7	Fine Sand with Kankar
102	126	24	Fine Sand
126	136	10	Kankar Clay
136	161	25	Sandy Clay
161	210	49	Fine Sand
210	228	18	Sandy Clay
228	235	7	Fine Sand
235	255	20	Sandy Clay
255	275	20	Kankar Clay

Logging Report

Date 19-05-2017

SL.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	57.0-----64.0	7.0	Good
2	93.0-----117.0	24.0	Good
3	157.0-----174.0	17.0	Good
4	177.0-----184.0	7.0	Good
5	200.0-----217.0	17.0	Good
6	228.0-----235.0	7.0	Good
7	261.0 ----- 264.0	3.0	Good, Very Fine sand Kankar Intermixed

Mr. Harish Chandra Singh

(M/s Harish Chandra Singh)
Gorakhpur
Contractor

(Rajesh Kumar)
J. E.

(S.N. Singh)
Assistant Engineer

(N.A. Khan)
Executive Engineer