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UTTAR PRADESH JAL NIGAM

6, Rana Pratap Marg, Lucknow-226001

Ref.

Geophysical Borehole Logging Report

Name of the site : Ranipur Rajmo T/W-3

District : Azamgarh

Date : 20.04.2016

Depth logged : 270.0 mbgl

Depth drilled : 275.0 mbgl

Logger used : AXWS

Presence : Er. Sandeep 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	25.0----55.0	30.0	Good (1—2)
2	59.0----72.0	13.0	
3	79.0----83.0	4.0	Good to moderate
4	110.0----123.0	13.0	(3—6)
5	134.0----138.0	4.0	
6	142.0----149.0	7.0	

Note. Quality of the formation water is deteriorating marginal to saline below 155.0 mbgl till depth logged. Fine bands of kankar intermixed in all zones.

Copy;

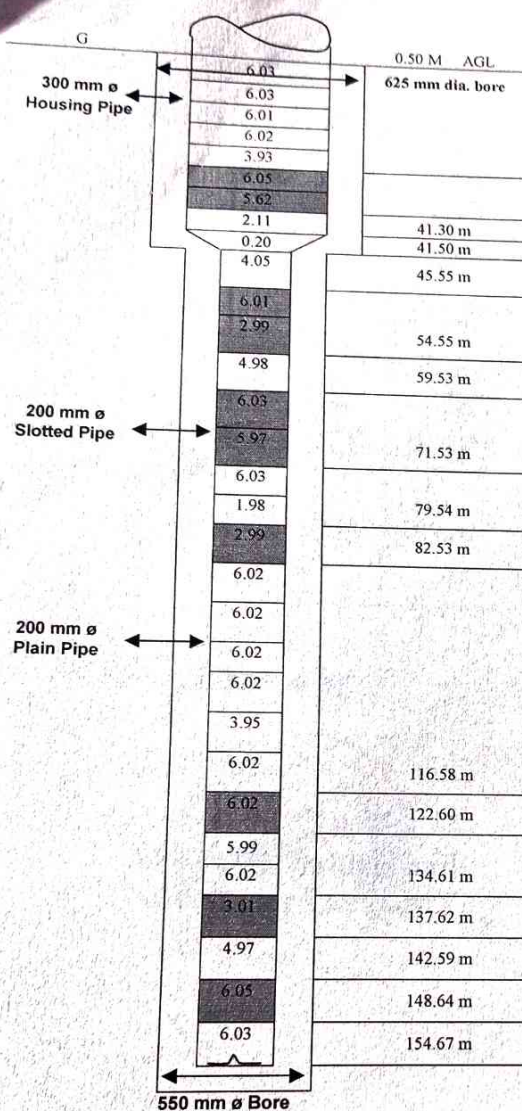
1. C.E.(E/M), U.P.Jal Nigam, Lucknow.
2. E.E., T.C.D.(E/M), U.P.Jal Nigam, Mau
for information and necessary action.

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

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 Ranipur
Razmo water supply scheme T.W. No.-3, Block- Mohammadpur, District- Azamgarh.

(Not to Scale)

Detail of Strata



AGL + BGL
 0.50 + 154.67 = 155.17 mts.

Detail of Lowering

Dated 06-04-2016

1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
6	Total housing pipe dia 300 mm	30.73 mt.
7	Total housing Slotted pipe dia 300 mm	11.67 mt.
7	Total Plain pipe dia 200 mm	73.50 mt.
8	Total Slotted pipe dia 200 mm	39.07 mt.
9	Size of assembly lowering	300mm x 200 mmø
10	300mmø x 200 mmø M.S. Reducer	0.20 mt

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	6		Surface Clay
6	24		Clay
24	48		Fine Sand
48	60		Fine Sand with Kankar
60	78		Medium Sand with Kankar
78	84		Fine Sand with Kankar
84	114		Clay Kankar
114	126		Medium Sand with Kankar
126	132		Clay Kankar
132	180		Medium Sand with Kankar
180	216		Clay Kankar
216	225		Medium Sand
225	275		Clay Kankar

Logging Report

Date 20-04-2016

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TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test :- 15-06-2016

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	Starting	Runnin g	Kg/cm ²	mts		5 Min	10 Min	15 Min	20 Min	
1	10	2743	14.00	13.50	0.50	5.00	10000	2300	1300	1100	400	

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

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

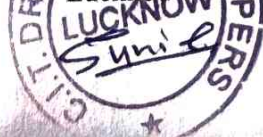
Discharge measured by orifice meter- 150mm. x125 mm. size. Date of Test :- 23-06-2016

Sl. No.	Discharge		Water level in mts.		Depres sion in meters	Sand contents in P.P.M. After					Remar k
	In Inches	In L.P.M	Running	Static		Starting	5 Min	10 Min	15 Min	20 Min	
1	7	1200	10.72	7.62	3.10	100	Tr	Cl	Cl	Cl	
2	8	1500	11.02	7.62	3.40	150	50	25	Tr	Cl	
3	9	1800	11.32	7.62	3.70	300	150	50	25	Tr	
4	10	2100	11.87	7.62	4.25	700	400	200	50	25	

Recommended Discharge 1200LPM after 10 min. in by pass.

M/s C.I.T. Drillers & Developers,

Lucknow



(S.K. Yadav)
 J. E.

(V.K. Singh)
 Assistant Engineer

(N.A. Khan)
 Executive Engineer