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UTTAR PRADESH JAL NIGAM

6, Rana Pratap Marg, Lucknow-226001

Ref.

Geophysical Borehole Logging Report

Name of the site : Rukunpura

District : Mau

Date : 11.08.2015

Depth logged : 195.0 mbgl

Depth drilled : 200.0 mbgl

Logger used : GIT

Presence : Er. J.K.Gupta, 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	46.0----50.0	4.0	Good (1-6)
2	63.0----73.0	10.0	
3	94.0----98.0	4.0	
4	103.0----108.0	5.0	
5	110.0----120.0	10.0	Moderate to marginal(7-9)
6	125.0----128.0	3.0	
7	130.0----135.0	5.0	
8	154.0----160.0	6.0	
9	171.0----176.0	5.0	

Note. Sl.No. 1 is fine sand and Sl.Nos.7,8& 9 are fine sand intermixed with kanker.

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

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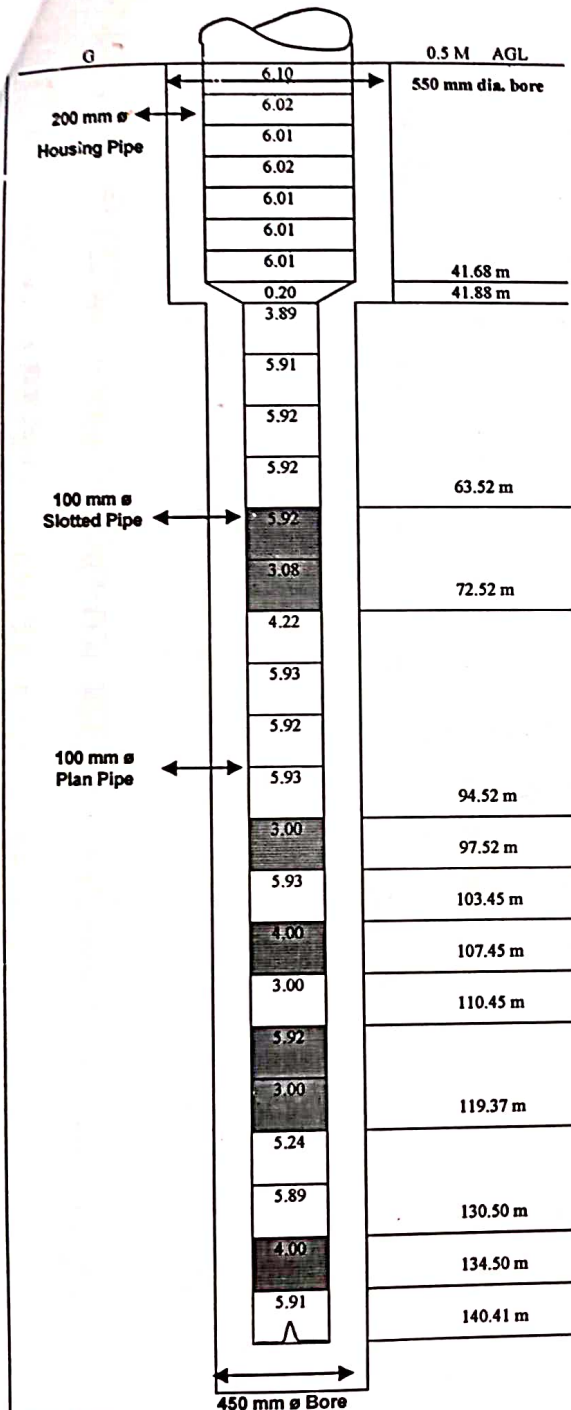
1. C.E.(E/M), U.P.Jal Nigam, Lucknow.
2. E.E., T.C.D.(E/M), U.P.Jal Nigam, Mau for information and necessary action.

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

**Completion Plan of Tube well Assembly Chart cum strata Chart For Rukunpura
water supply scheme, Block- Fatehpur Mandao , District- Mau.**

(Not to Scale)

Detail of Strata



AGL + BGL
0.5 + 140.41 = 140.91 mts.

Detail of Lowering

1	Drilling depth	250 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Drilling started on	
4	Drilling completed on	26-08-2015
5	Date of lowering	27-08-2015
6	Total housing pipe dia 200 mm	42.18 mt.
7	Total Plain pipe dia 100 mm	69.61 mt.
8	Total Slotted pipe dia 100 mm	28.92 mt.
9	Size of assembly lowering	200mm x 100 mm
10	Static Water level	5.00 mts.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	6		Surface Clay
6	18		Sandy Clay
18	24		Fine Sand
24	30		Clay Kankar
30	42		Fine Sandy Clay
42	60		Fine Sand
60	78		Fine to Medium Sand
78	92		Fine Sand
92	100		Medium Sand
100	120		Fine to Medium Sand
120	129		Sandy Clay
129	138		Medium to Fine Sand
138	150		Sandy Clay to Kankar
150	162		Fine Sand to Sand Stone
162	180		Fine Sand
180	200		V. Fine Sand with Kankar

Logging Report

Date 11-08-2015

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5	110.0 - 120.0	10.0	
6	125.0 - 128.0	3.0	Marginal (7-9)
7	130.0 - 135.0	5.0	
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TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Date of Test																
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 ²	In mtr.	In cm.	Inches	In L.P.M	Starting	5 Min	10 Min	15 Min	20 Min	25 Min		30 Min
1																
Note- Recommended for development by O.P. unit																

Note- Recommended for development by O.P. unit

स्वतंत्र द्रुवेल बोरिंग एक्सपर्ट
(M/S. Swatantra Drilling, Varanasi)
Contractor

(Rajesh Kumar)
J. E.

(S.N. Singh)
Assistant Engineer

(N.A. Khan)
Executive Engineer