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UTTAR PRADESH JAL NIGAM

6, Rana Pratap Marg, Lucknow-226001

Ref.

Geophysical Borehole Logging Report

Name of the site : Karui - Marteenganj

District : Azamgarh

Date : 07.05.2016

Depth logged : 200.0 mbgl

Depth drilled : 205.0 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-----35.0	10.0	Good (1)
2	38.0-----45.0	7.0	Marginal (2-3)
3	47.0-----54.0	7.0	

Note. Quality of the formation water is deteriorating to saline below 60.0 mbgl.

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

Copy;

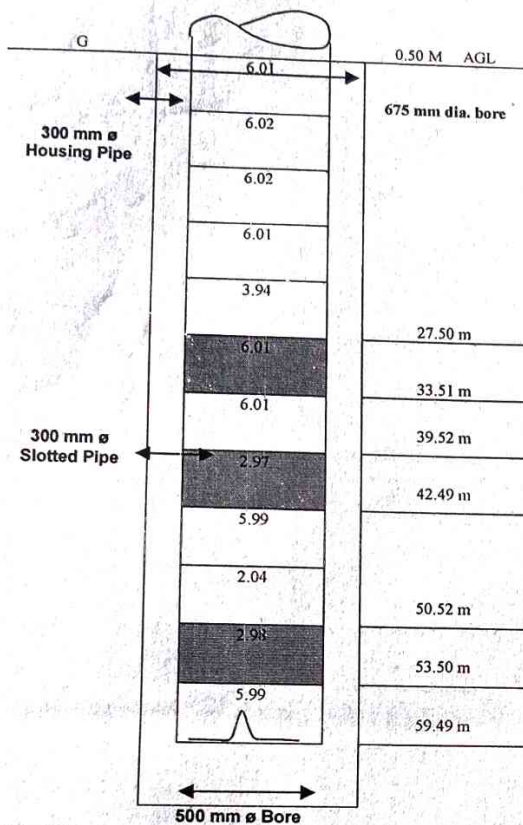
1. C.E.(E/M), U.P.Jal Nigam, Lucknow.
2. E.E., T.C.D.(E/M), U.P.Jal Nigam, Mau
for information and necessary action.

**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 Karui
water supply scheme, Block- Martinganj, District- Azamgarh.**

(Not to Scale)

Detail of Strata



AGL + BGL
0.50 + 59.49 = 59.99 mts.

Detail of Lowering

Dated- 17-05-2016

1	Drilling depth	200 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total Plain pipe dia 300 mm	48.03 mt.
5	Total Slotted pipe dia 300mm	11.96 mt.
6	Size of assembly lowering	300mmø x 300 mmø

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	3		Surface Clay
3	18		Sandy Clay
18	54		Fine Sand
54	165		Kankar Clay
165	171		Clay Kankar with Sand
171	180		Clay Kankar
180	192		Fine to Medium Sand
192	200		Clay

Logging Report

Date 07-05-2016

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TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test :- 30-05-2016

Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depression in mts		Starting Sand in P.P.M.	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Starting	Running	Kg/cm ²	mts		5 Min	10 Min	15 Min	20 Min	
1	7	1144	5.50	5.25	0.25	2.50	7500	2200	1600	600	500	

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 :- 11-06-2016

Sl. No.	Discharge		Water level in mts.		Depression in meters	Sand contents in P.P.M.					Remarks
	In Inches	In L.P.M	Running	Static		Starting	After				
1	3	800	8.40	4.50	3.90	150	Tr	Cl	15 Min Cl	20 Min Cl	
2	5	1000	8.60	4.50	4.10	200	50	25	Tr	Cl	
3	7	1200	8.80	4.50	4.30	350	100	50	25	Tr	
4	9	1350	9.30	4.50	4.80	600	250	100	50	25	

Recommended Discharge 600LPM after 10 min. in by pass.

M/s Harish Chandra Singh

**M/s Harish Chandra Singh
Manager
Gorakhpur, Contractor**

**(S.K. Yadav)
J. E.**

**(V.K. Singh)
Assistant Engineer**

**(N.A. Khan)
Executive Engineer**