

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme ... M.AHESH PUR WLS SCHEME ...

Spring water level in Mtrs. 10.85

Total No. of tube well provided in the scheme ... ONE ...

Size of Bore in M.M. 675x500

Number & Location of tube-well executed ... NEAR OHT CAMPUS ...

Date of Completion of T.W. 28.7.17

Name of contractor ... DEPTT. RIG. MIC (600/27) ...

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
0-00				
10.00	0.00 - 4.57	Surface clay	4.90	1. Drilling Started ... <u>3-6-17</u>
20.00	4.57 - 13.72	Hard clay	6.07	2. Drilling Completed ... <u>11.6.17</u>
30.00	13.72 - 28.96	Fine Sand	6.46	3. Lowering on ... <u>13.6.17</u>
40.00			6.09	
50.00	28.96 - 48.78	clay	6.08	4. Drilling Depth ... <u>117.37</u> M
55.00			6.08	5. <u>300</u> mm dia Housing Pipe ... <u>48.59</u> M
60.00	48.78 - 56.70	yellow fine Sand	6.45	6. <u>300</u> mm dia Reducer Pipe ... <u>0.15</u> M
65.00	56.70 - 60.36	clay	6.46	7. <u>150</u> mm dia Blind Pipe ... <u>36.30</u> M
70.00	60.36 - 70.43	med. Sand	48.59	8. <u>150</u> mm dia Slotted Pipe ... <u>24.20</u> M
75.00				9. Discharge by Compressor ... <u>900</u> LPM
80.00	70.43 - 77.91	clay	6.04	10. Discharge by O.P. Unit ... <u>1000</u> LPM
85.00	77.91 - 84.45	Coarse Sand	6.05	11. Remark if any:-
90.00	84.45 - 87.80	clay	6.03	
95.00			3.03	
100.00				
105.00	87.80 - 108.23	Coarse Sand	6.06	
110.00				
115.00				
120.00	108.23 - 117.37	clay	6.05	

Countersigned

DEPTT.

600/27

[Signature]

YIELD TEST OF TW BY COMPRESSOR

Date of Test 26.6.17 Static W/L 10.72 mt. Taste of Water. Sweet

Discharge by V. Notch		Stand Contents in PPM						Remarks
In cm.	In Lpm	Start	5 Min	10 Min	15 Min	30 Min	60 Min	
6.5"	900	850	600	350	200	Tr	el	

DEPH.
Contractor

SAM
J. E.

YES
A. E.

Amity
E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice 150x125 mm. Taste of water Sweet Date of Test 28.7.17

Height of water column in orifice tube (c.m.)	Discharge in L.P.M.	SWL in Mts	RWL in Mts	Depression in Mts	SAND CONTENTS IN P. P. M.							Recommendations.
					Starting	5 Min.	10 Min.	15 M.	20 M.	25 M.	30 M.	
5"	1055	10.67	14.77	4.10	Tr	Tr	el	el	el	el	el	Recommended discharge <u>1000 LPM</u> at <u>4.10 mt</u> depression. Recommended Pumping plant discharge <u>1000 Lpm.</u>
8"	1320	10.67	15.15	4.48	50	10	Tr	el	el	el	el	
10"	1470	10.67	15.43	4.76	100	50	Tr	Tr	el	el	el	
12"	1600	10.67	15.72	5.05	150	100	50	Tr	Tr	el	el	

DEPH.
Contractor

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CHEMICAL TEST REPORT

DATE OF TEST 4.8.17 AGENCY EE, FIRST DIV. U.P.JH, MEEPUR

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour <u>colourless</u>	Hardness Temp.	Chlorides <u>11.00</u>		
Nitrates <u>4.87</u>	Copper	Nitride <u>Nil</u>		
PH <u>7.36</u>	Iron <u>0.206</u>	Florides <u>0.253</u>		
Total Solids	Total Alkanity <u>140.00</u>	Amonia		
T. Dissolved Solids <u>157.00</u>	Sulphates <u>2.15</u>	<u>Residual Chloride - Nil</u>		
Fixed Solids	Calcium			
Total Hardness (CaCO ₃) <u>90.00</u>	Megnecium			
Permanent Hardness	Turbidity <u>5.98</u>			

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