

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme ... TAKHI W/S. Scheme

Spring water level in Mtrs. 16.76

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

Size of Bore in M.M. 625x550

Number & Location of tube-well executed..... SECOND
Near Granary

Date of Completion of T.W. 19/04/16

Name of contractor..... M.S. Anu electric & Mech works

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
			<u>ACL - 0.53</u>	
0 - 3.00		<u>surface clay</u>		1. Drilling Started..... <u>12.03.16</u>
3.00 - 13.72		<u>fine sand</u>		2. Drilling Completed..... <u>24.03.16</u>
13.72 - 27.43		<u>clay</u>	41.93	3. Lowering on..... <u>25.03.16</u>
27.43 - 30.48		<u>fine sand</u>	← 300mm φ →	4. Drilling Depth..... <u>120.40</u>
30.48 - 42.67		<u>yellow fine to med sand</u>	41.93	5. <u>300</u>mm dia Housing Pipe..... <u>41.93</u>
42.67 - 56.33		<u>yellow med sand</u>	← 200mm φ →	6. <u>300x200</u>mm dia Reducer Pipe..... <u>0.10</u>
56.33 - 62.43		<u>F.M. Sand</u>	26.20	7. <u>200</u>mm dia Blind Pipe..... <u>47.20</u>
62.43 - 65.53		<u>fine sand</u>		8. <u>200</u>mm dia Slotted Pipe..... <u>33.56</u>
65.53 - 71.63		<u>M. Sand</u>	67.70	9. Discharge by Compressor..... <u>1065</u> LPM
71.63 - 74.68		<u>F.M. Sand + Kankar</u>	21.36	10. Discharge by O.P. Unit..... <u>1600</u> LPM
74.68 - 80.77		<u>Coarse Sand</u>		11. Remark if any:-
80.77 - 86.87		<u>Med. Sand</u>	89.06	
86.87 - 89.92		<u>Coarse Sand</u>	4.94	
89.92 - 92.96		<u>F.Y. Sand</u>	6.10	
92.96 - 96.01		<u>Coarse Sand</u>	94.60	
96.01 - 102.11		<u>F.M. Sand</u>	100.10	
102.11 - 108.20		<u>F. Sand</u>	9.55	
108.20 - 120.40		<u>Coarse Sand</u>	6.10	
			115.75	
			122.26	

Contractor

J. E.

A. E.

Countersigned

E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test		Static W/L						Taste of Water.
Discharge by V. Notch		Stand Contents In PPM						Remarks
In cm.	In Lpm	Start	5 Min	10 Min	15 Min	30 Min	60 Min	
17.5	1065	500	100	50	Tr	Cl	Cl	
Contractor		<i>Robit</i> J. E.			<i>dm</i> A. E.			<i>dm</i> E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice 150 X 125 mm Taste of water Sweet Date of Test 19/04/16

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.	
9	1411	16.76	19.51	2.75	56	Cl	Cl	Cl	Cl	Cl	Cl	Recommended discharge 1600 LPM at 2.90mt depression. Recommended Pumping plant discharge. 1600 Lpm.
12	1628	16.76	19.66	2.90	100	Tr	Cl	Cl	Cl	Cl	Cl	
19	2029	16.76	19.81	3.05	150	56	Tr	Cl	Cl	Cl	Cl	
25	2310	16.76	19.96	3.20	300	100	50	Tr	Cl	Cl	Cl	
35	2748	16.76	20.16	3.40	500	200	50	Tr	Cl	Cl	Cl	
Contractor		<i>Robit</i> J. E.			<i>dm</i> A. E.			<i>dm</i> E. E.				

CHEMICAL TEST REPORT

DATE OF TEST 27/04/2016 AGENCY EE, First Dev, U.P. Jal Nigam, Meerut.
Letter No - 36

	Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks	
Colour	Colourless	Hardness Temp.	—	Chlorides	08	
Nitrates	5.31	Copper	—	Nitride	Nil	
PH	7.44	Iron	0.175	Florides	0.099	
Total Solids	—	Total Alkanity	182	Amonia	—	
T. Dissolved Solids	203	Sulphates	13.24			
Fixed Solids	—	Calcium	—			
Total Hardness (CaCo ₃)	120	Megnecium	—			
Permanent Hardness	—	Turbidity	2.23			
Contractor		<i>Robit</i> J. E.			<i>dm</i> A. E.	
		<i>dm</i> E. E.				