

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme ...*Kheri...Farakabad*

Spring water level in Mtrs. *9.14*

Total No. of tube well provided in the scheme...*One*

Size of Bore in M.M. *6.75x5.50 mm*

Number & Location of tube-well executed...*One*

Date of Completion of T.W. *28/03/16*

Name of contractor...*M/s. Pioneer Drilling Co. (P.) Ltd, GZB.*

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
0-4.57		S. Clay	AGL-10.69	1. Drilling Started... <i>04/03/16</i>
4.57-16.76		F. Sand	35.89 ← 300mm φ →	2. Drilling Completed... <i>28.03.2016</i>
16.76-19.81		Clay		3. Lowering on... <i>30.03.2016</i>
19.81-27.42		F. Sand	35.20 ← 200mm φ →	4. Drilling Depth... <i>138.20</i> M
27.42-33.53		M. Sand		5. 300 mm dia Housing Pipe... <i>35.89</i> M
33.53-38.10		H. Clay	12.21 6.03	6. 300 mm dia Reducer Pipe... <i>0.10</i> M
38.10-44.20		F.M. Sand		7. 200 mm dia Blind Pipe... <i>54.82</i> M
44.20-54.82		F.M. Sand	17.00	8. 200 mm dia Slotted Pipe... <i>42.15</i> M
54.82-56.38		H. Clay		9. Discharge by Compressor... <i>2022</i> LPM
56.38-59.44		M. Sand	9.08	10. Discharge by O.P. Unit... <i>2000</i> LPM
59.44-62.49		H. Clay		11. Remark if any:-
62.49-74.68		M. Sand	9.18	
74.68-80.77		F.M. Sand		
80.77-86.87		Clay	24.09	
86.87-111.25		M. Sand	9.12	
111.25-117.35		Clay		
117.35-124.96		M. Sand	5.95	
124.96-132.27		V.F. Sand	7.31	
			132.27	

Contractor

J. E.

A. E.

Countersigned

E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test 11/05/16

Static W/L 9.14 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	
225mm	2022	1500	1000	500	200	Tr	Cl	

Contractor

Rehit
J. E.

kan
A. E.

Am
E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice 150 x 125 mm

Taste of water Sweet

Date of Test 28/05/16

Height of water column in orifice tube (cm.)	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.	
19	2027	9.14	11.79	2.65	50	Cl	Cl	Cl	Cl	Cl	Cl	Recommended discharge 2000.....LPM at 2.65.mt depression. Recommended Pumping plant discharge 2200Lpm.
25	2300	9.14	11.94	2.80	100	Tr	Cl	Cl	Cl	Cl	Cl	
30	2526	9.14	12.19	3.05	150	50	Tr	Cl	Cl	Cl	Cl	
40	2953	9.14	12.44	3.30	300	100	50	Tr	Cl	Cl	Cl	
50	3298	9.14	12.79	3.65	400	150	50	Tr	Cl	Cl	Cl	

Contractor

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CHEMICAL TEST REPORT

DATE OF TEST 08/06/16

AGENCY Letter No - 306

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour <i>Colourless</i>	Hardness Temp. <i>—</i>	Chlorides <i>0</i>		
Nitrates	Copper <i>—</i>	Nitride <i>Nil</i>		
PH <i>7.42</i>	Iron <i>0.045</i>	Florides <i>0.100</i>		
Total Solids <i>—</i>	Total Alkanity <i>150</i>	Amonia <i>—</i>		
T-Dissolved Solids <i>179</i>	Sulphates <i>14.4</i>			
Fixed Solids <i>—</i>	Calcium <i>—</i>			
Total Hardness (CaCo ₃) <i>100</i>	Megnecium <i>—</i>			
Permanent Hardness <i>—</i>	Turbidity <i>2.32</i>			

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