

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme Basi Kalan

Spring water level in Mtrs. 100.75

Total No. of tube well provided in the scheme ONE

Size of Bore in M.M. 625 / 8.5

Number & Location of tube-well executed 1st Primary School

Date of Completion of T.W. 31-08-15

Name of contractor M/s. Pioneer Drilling Co. 528

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly <i>ACR - 154</i>	ABSTRACT
0 - 4.57		3. Clay		1. Drilling Started <u>22-08-15</u>
4.57 - 7.62		Y.F. Sand		2. Drilling Completed <u>22-08-15</u>
7.62 - 13.72		Clay		3. Lowering on <u>6-09-15</u>
13.72 - 16.76		F. Sand		4. Drilling Depth <u>156.00</u> M
16.76 - 22.86		Clay		5. 300mm dia Housing Pipe <u>11.00</u> M
22.86 - 23.96		Y.F. Sand		6. 300mm dia Reducer Pipe <u>0.10</u> M
23.96 - 32.16		Clay		7. 200mm dia Blind Pipe <u>6.15</u> M
32.16 - 47.24		Y.F. Sand		8. 200mm dia Slotted Pipe <u>38.92</u> M
47.24 - 65.53		F.M. Sand		9. Discharge by Compressor <u>153.6</u> LPM
65.53 - 71.63		Y.M. Sand		10. Discharge by O.P. Unit <u>18.99</u> LPM
71.63 - 77.72		M. Sand	11. Remark if any:-	
77.72 - 85.30		M. Core Sand		
85.30 - 89.36		F. Sand		
89.36 - 96.01		Clay + Kankret		
96.01 - 97.54		F. Sand		
97.54 - 105.16		M. Sand		
105.16 - 109.73		Clay		
109.73 - 119.30		F. Sand		
119.30 - 117.35		Clay		
117.35 - 120.24		F. Sand		
120.24 - 129.54		Clay		
129.54 - 137.80		F. Sand		
137.80 - 134.11		Y.M. Sand		
134.11 - 142.10		Core Sand		
142.10 -				

Contractor

J. E.

A. E.

Countersigned

E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test _____ State W/L 30.72 mt Taste of Water Sweet

Discharge by Compressor		Sand Contents in PPM						Remarks
Flow (LPM)	Head (M)	Start	5 Min	10 Min	15 Min	30 Min	60 Min	
1800	30.0	300	300	Tr	Cl	Cl	Cl	

Contractor *[Signature]* J. E. A. E. *[Signature]* E. E. *[Signature]*

YIELD TEST REPORT BY O.P. UNIT

Size of office 150 X 125 mm Taste of water Sweet Date of Test 31/10/2015

Height of water column in office (M)	Discharge (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.	
18	1800	30.72	33.42	2.70	50	Cl	Cl	Cl	Cl	Cl	Cl	Recommended discharge 1800 LPM at 2.76 mt depression. Recommended Pumping plant discharge 1800 Lpm.
19	2027	30.72	33.62	2.90	100	50	Tr	Cl	Cl	Cl	Cl	
25	2000	30.72	33.92	3.20	150	50	Tr	Cl	Cl	Cl	Cl	
26	2520	30.72	34.22	3.50	250	100	50	Tr	Cl	Cl	Cl	
28	2743	30.72	34.52	3.80	350	100	50	Tr	Cl	Cl	Cl	

Contractor *[Signature]* J. E. A. E. *[Signature]* E. E. *[Signature]*

CHEMICAL TEST REPORT

DATE OF TEST 07/11/2015 AGENCY First Division, Meerut / 3023

	Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour	Colourless	Hardness Temp.	Chlorides	40	
Nitrates	12.40	Copper	Nitride	---	
PH	7.48	Iron	Fluorides	0.122	
Total Solids	---	Total Alkalinity	Ammonia	---	
Dissolved Solids	802	Sulphates	28.04		
Fixed Solids	---	Calcium			
Total Hardness (CaCO ₃)	150	Magnesium			
Permanent Hardness	---	Turbidity	5.34		

[Signature] J. E. A. E. *[Signature]* E. E. *[Signature]*