

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme Merna W./S/S. Muzaffarnagar

Spring water level in Mtrs. 15.40

Total No. of tube well provided in the scheme ONE

Size of Bore in M.M. 675 X 550 mm

Number & Location of tube-well executed ONE

Date of Completion of T.W. 22/05/16

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

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
			AGIL - 10.86	
0 - 7.62		Surface Clay		1. Drilling Started <u>22/04/16</u>
7.62 - 15.24		Yellow Med. Sand		2. Drilling Completed <u>04.05.2016</u>
			42.06	3. Lowering on <u>06.05.2016</u>
15.24 - 32.00		Y.F. Med Sand	← 350mm →	4. Drilling Depth <u>131.06</u> M
32.00 - 35.05		White M. Sand		5. <u>350</u> mm dia Housing Pipe <u>42.06</u> M
35.05 - 38.10		White M. Sand + Konkar		
38.10 - 44.20		White M. Sand	41.20 41.30	6. <u>350</u> mm dia Reducer Pipe <u>10</u> M
44.20 - 47.25		Hard Clay	← 200mm →	7. <u>200</u> mm dia Blind Pipe <u>39.36</u> M
47.25 - 50.30		F. Sand		8. <u>200</u> mm dia Slotted Pipe <u>45.45</u> M
50.30 - 59.44		F. M. Sand	10.03	9. Discharge by Compressor <u>2022</u> LPM 10. Discharge by O.P. Unit <u>2400</u> LPM 11. Remark if any:-
59.44 - 62.48		M. Sand	57.16	
62.48 - 65.53		M. Sand + C	67.19	
65.53 - 68.58		M. Sand	10.33	
68.58 - 71.63		Clay	77.52	
71.63 - 74.68		F. M. Sand	20.18	
74.68 - 77.72		M. Sand	97.70	
77.72 - 80.77		F. M. Sand	6.12	
80.77 - 83.82		F. M. Sand	103.82	
83.82 - 86.87		M. Sand	15.24	
86.87 - 89.92		F. M. Sand	119.06	
89.92 - 92.97		F. M. Sand	126.11	
92.97 - 102.11		M. Sand		
102.11 - 105.16		F. M. Sand		
105.16 - 111.25		M. Sand		
111.25 - 120.44		Clay		
120.44 - 126.49		Y.F. Sand		
126.49 - 131.06		Sandy Clay		

Contractor

J. E.

A. E.

Countersigned


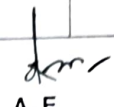

J. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test 12/05/16

Static W/L 15.40

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	
225cm	2022	1200	700	300	100	Tr	Cl	
Contractor		 A. E.		 A. E.		 E. E.		

YIELD TEST REPORT BY O.P. UNIT

Size of orifice 150 x 125 mm

Taste of water Sweet

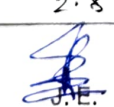


Date of Test 22/05/2016

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.	
10	2027	15.40	18.00	2.60	50	Cl	Cl	Cl	Cl	Cl	Cl	Recommended discharge 240.0 LPM at 3.00 mt depression. Recommended Pumping plant discharge 240.0 Lpm.
25	2300	15.40	18.25	2.85	100	Tr	Cl	Cl	Cl	Cl	Cl	
30	2526	15.40	18.45	3.05	200	50	Tr	Cl	Cl	Cl	Cl	
35	2748	15.40	3.30	3.30	300	100	Tr	Cl	Cl	Cl	Cl	
45	3106	15.40	3.75	3.75	500	200	50	Tr	Cl	Cl	Cl	
Contractor		 A. E.		 A. E.		 E. E.						

CHEMICAL TEST REPORT

DATE OF TEST 31/05/2016

AGENCY EF, 1st Div., U.P.J.N., Meerut.
Letter No - 233

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour <u>Colourless</u>	Hardness Temp. <u>—</u>	Chlorides <u>11</u>		
Nitrates <u>—</u>	Copper <u>—</u>	Nitride <u>Nil</u>		
PH <u>7.47</u>	Iron <u>0.078</u>	Florides <u>0.098</u>		
Total Solids <u>—</u>	Total Alkanity <u>200</u>	Amonia <u>—</u>		
T-Dissolved Solids <u>219</u>	Sulphates <u>23.80</u>			
Fixed Solids <u>—</u>	Calcium <u>—</u>			
Total Hardness (CaCO ₃) <u>98</u>	Megnecium <u>—</u>			
Permanent Hardness <u>—</u>	Turbidity <u>2.87</u>			
Contractor		 A. E.		 A. E.
			 E. E.	