

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme Peetha ngr 222, Meerut

Spring water level in Mtrs 19.10

Total No. of tube well provided in the scheme 1 No

Size of Bore in M.M. 675x550 mm

Number & Location of tube-well executed 1 No. Near Ground yard

Date of Completion of T.W. 05-07-2015

Name of contractor M/A. Shabbu Ram Premi, Meerut.

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
4.57 - 7.62		S. clay - Y.F.S.	48.00	1. Drilling Started <u>25-07-2015</u>
				2. Drilling Completed <u>31-07-2015</u>
				3. Lowering on <u>02-08-2015</u>
7.62 - 20.96		Fine sand		4. Drilling Depth <u>140.21 M</u>
20.96 - 35.05		Sticky clay Fine sand		5. <u>300</u> mm dia Housing Pipe <u>58.93 M</u>
35.05 - 37.20		Sticky clay Y.F.S.	48.00	6. <u>300x200</u> mm dia Reducer Pipe <u>1.70 M</u>
37.20 - 47.24		Fine sand Sticky clay	49.03	7. <u>200</u> mm dia Blind Pipe <u>48.75 M</u>
47.24 - 55.39		F. sand	27.48	8. <u>200</u> mm dia Slotted Pipe <u>36.19 M</u>
55.39 - 62.40		Med clay	15.06	9. Discharge by Compressor <u>1500</u> LPM
62.40 - 71.63		Fine sand	15.22	10. Discharge by O.P. Unit <u>2000</u> LPM
71.63 - 79.60		Med sand	21.13	11. Remark if any:-
79.60 - 86.77		Coarse sand	106.79	
86.77 - 92.96		Yellow Med sand	127.92	
92.96 - 99.04		F. Med sand	134.00	
99.04 - 105.15		Med - coarse sand		
		Med to coarse sand		
		Hard clay		
105.15 - 129.59		Yellow fine sand		
129.59 - 132.60				
132.60 - 140.21				

Contractor

Rohit
J.E.

Shabbu Ram Premi
A.E.

Countersigned

Shabbu Ram Premi
E.E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test 19.08.2015 Static W/L 13.10 Taste of Water. swal-

Discharge by V. Notch		Stand Contents in PPM						Remarks
In cm.	In Lpm	Start	5 Min	10 Min	15 Min	30 Min	60 Min	
8"	1538	750	250	Tr	cl	cl	cl.	

Contractor Robit
J. E. Arum
A. E. Arum
E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice 6"x5" Taste of water swal- Date of Test 05.09.2015

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.	
10"	1487	13.10	15.60	2.50	Tr.	cl	cl	cl	cl	cl	cl	Recommended discharge <u>1600</u> LPM at <u>2.60</u> mt depression. Recommended Pumping plant discharge <u>1600</u> Lpm.
12"	1628	13.10	15.70	2.60	50	Tr.	cl	cl	cl	cl	cl	
19"	2029	13.10	16.00	2.90	100	50	Tr	cl	cl	cl	cl	
25"	2310	13.10	16.20	3.10	150	100	50	Tr	cl	cl	cl	
35"	2740	13.10	16.50	3.40	150	100	50	Tr	cl	cl	cl	

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CHEMICAL TEST REPORT

DATE OF TEST _____ AGENCY _____

	Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour	<u>colourless</u>	Hardness Temp.	Chlorides	<u>35</u>	
Nitrates	<u>32.78</u>	Copper	Nitride	-	
PH	<u>8.07</u>	Iron	Florides	<u>.117</u>	
Total Solids		Total Alkanity	Amonia		
T. Dissolved Solids	<u>490</u>	Sulphates			
Fixed Solids		Calcium			
Total Hardness (CaCo ₃)	<u>100</u>	Megnecium			
Permanent Hardness		Turbidity	<u>2.62</u>		

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