

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme ...*Sarjhatk...w/s/s...* Spring water level in Mtrs...*15.24*.....
 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...*Near Bhatk. chum*..... Date of Completion of T.W. *05/03/16*
 Name of contractor...*M/S. ANLI ELECTRICAL & MECH. WORKS*.....

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
0-4.57		Sandy Clay		1. Drilling Started... <i>13/01/2016</i>
4.57-22.86		Fine Sand		2. Drilling Completed... <i>21/01/2016</i>
22.86-25.91		Med. Sand		3. Lowering on... <i>25/01/2016</i>
				4. Drilling Depth... <i>126.59</i>M
25.91-53.34		Y.M. Sand		5. <i>300</i> ...mm dia Housing Pipe... <i>48.06</i>M
				6. <i>300 X 250</i> ...mm dia Reducer Pipe... <i>0.10</i>M
53.34-63.53		F.M. Sand		7. <i>200</i> ...mm dia Blind Pipe... <i>15.22</i>M
63.53-71.62		Y.M. Sand		8. <i>200</i> ...mm dia Slotted Pipe... <i>30.02</i>M
71.62-77.72		M. Sand		9. Discharge by Compressor... <i>106.5</i>LPM
77.72-86.86		C. Sand + Boulder		10. Discharge by O.P. Unit... <i>125.0</i>LPM
86.86-102.11		Clay		11. Remark if any:-
102.11-111.25		M.Sand		
111.25-117.35		C. Sand + Boulder		
117.35-120.40		Clay		
120.40-124.97		F.M. Sand		

Rohit
[Signature]
Countersigned
 Contractor J. E. A. E. E. E.

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Completion Plan of Tube Well

J.E. J.A.A.

YIELD TEST OF TW BY COMPRESSOR

Date of Test		Static W.L. 15.74				Taste of Water Sweet		
Discharge by V Notch		Sand Contents in PPM						Remarks
In cm	In Lpm	Start	5 Min	10 Min	15 Min	30 Min	60 Min	
17.5	1065	600	200	150	Tr	Cl	Cl	
Contractor		J. 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 05/03/16								
Height of water column at orifice tube (cm)	Discharge in L PM	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	
6"	1200	15.24	17.74	2.50	50	Tr	Cl	Cl	Cl	Cl	Cl	Recommended discharge 1250 LPM at 2.50 mt depression. Recommended Pumping plant discharge 1250 Lpm
9"	1411	15.24	17.84	2.60	100	Tr	Cl	Cl	Cl	Cl		
12"	1628	15.24	17.94	2.70	150	50	Cl	Cl	Cl	Cl		
15"	2029	15.24	18.14	2.90	300	150	Tr	Cl	Cl	Cl		
25"	2810	15.24	18.34	3.10	400	200	50	Tr	Cl	Cl		
Contractor		J. E.		A. E.		E. E.						

CHEMICAL TEST REPORT

DATE OF TEST 18/03/16

AGENCY EE, 1st Div, U.P.J.N, Meerut.
Letter No - 3837

Colour	Mg/Lit	Hardness Temp.	mg/Lit	Chlondes	mg/Lit	Remarks
Colourless	27.46	—	—	36	—	
Nitrates	7.42	Copper	0.073	Nitride	0.099	
PH	—	Iron	—	Flondes	—	
Total Solids	306	Total Alkanity	15.74	Amonia	—	
Dissolved Solids	—	Sulphates	—			
Fixed Solids	—	Calcium	—			
Total Hardness (CaCo ₃)	—	Megnecium	—			
Permanent Hardness	—	Turbidity	3.72			
Contractor		J. E.		A. E.		E. E.