

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

4-11-17

Completion Plan of Tube Well

Name of scheme CHALLOLI WLS SCHEME Spring water level in Mtrs 16.00
 Total No. of tube well provided in the scheme 01 Size of Bore in M.M. 600x450
 Number & Location of tube-well executed KABRISTAN Date of Completion of T.W. 26-6-17
 Name of contractor M/S. A.S.L. ENTERPRISES MEERUT

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
0.00				
10.00	0.00 - 7.62	Surface clay	6.05 3.00	1. Drilling Started <u>20-5-17</u>
20.00	7.62 - 25.91	Yellow fine sand	6.04 6.05 6.05 6.05	2. Drilling Completed <u>27-5-17</u>
30.00			6.19	3. Lowering on <u>29-5-17</u>
40.00	25.91 - 44.20	Fine to med. Sand	6.04 5.45	4. Drilling Depth <u>131.00</u> M
50.00	44.20 - 47.25	clay	<u>50.10</u>	5. <u>250</u> mm dia Housing Pipe <u>50.10</u> M
55.00	47.25 - 50.30	Yellow fine sand	5.77	6. <u>250</u> mm dia Reducer Pipe <u>0.15</u> M
60.00			6.04	7. <u>150</u> mm dia Blind Pipe <u>56.15</u> M
65.00			6.04	8. <u>150</u> mm dia Slotted Pipe <u>17.14</u> M
70.00	50.30 - 71.64	clay	5.02	9. Discharge by Compressor <u>775</u> LPM
75.00				10. Discharge by O.P. Unit <u>700</u> LPM
80.00	71.64 - 80.79	Med. to Coarse sand	6.06	11. Remark if any:-
85.00	80.79 - 83.84	clay	1.02	
90.00	83.84 - 89.93	Fine to med. Sand	5.03	
95.00	89.93 - 92.98	clay	6.05	
100.00	92.98 - 96.03	Fine to med. Sand	6.05	
105.00			6.04	
110.00	96.03 - 105.18	clay	6.04	
115.00	105.18 - 108.23	Fine to med. Sand	1.05	
120.00	108.23 - 114.32	clay		
125.00	114.32 - 120.42	Red. Sand	3.03	
130.00	120.42 - 131.00	clay		

Contractor Ajay
J. E. Sud
A. E. YK
Countersigned [Signature]
E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test 9-6-17 Static W/L 1530 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	
6"	775	200	150	100	20	Tr	Tr	

Ajay
Contractor

Smit
J. E.

J.E.
A. E.

Amit
E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice 150x100 mm Taste of water sweet Date of Test 26.6.17

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.		
8"	681	15.24	17.31	2.07	el	el	el	el	el	el	el	el	Recommended discharge <u>700</u> LPM at <u>2.24</u> mt depression. Recommended Pumping plant discharge <u>700</u> Lpm.
10"	757	15.24	17.48	2.24	Tr	Tr	el	el	el	el	el	el	
16"	958	15.24	17.83	2.59	20	Tr	Tr	el	el	el	el	el	
20"	1072	15.24	18.01	2.77	50	20	Tr	Tr	el	el	el	el	
25"	1204	15.24	18.19	2.95	70	60	30	10	Tr	el	el	el	

Ajay
Contractor

Smit
J. E.

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CHEMICAL TEST REPORT

DATE OF TEST 30.6.17 AGENCY EE, FIRST DIV. VDJN, MEEAUT

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour <u>colourless</u>	Hardness Temp.	Chlorides <u>13.00</u>		
Nitrates <u>3.54</u>	Copper	Nitride <u>Nil</u>		
PH <u>7.37</u>	Iron <u>0.249</u>	Florides <u>0.252</u>		
Total Solids	Total Alkanity <u>140.00</u>	Amonia		
Dissolved Solids <u>150.00</u>	Sulphates <u>4.00</u>	Residual Chlorine <u>Nil</u>		
Fixed Solids	Calcium			
Total Hardness (CaCO ₃) <u>80.00</u>	Megnecium			
Permanent Hardness	Turbidity <u>15.30</u>			

Smit
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