

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme Shabbirpur.....

Spring water level in Mtrs. 6.50.....

Total No. of tube well provided in the scheme..... 01.....

Size of Bore in M.M. 6.75 x 500.....

Number & Location of tube-well executed..... NEAR O.H.T.....

Date of Completion of T.W. 6-9-19.....

Name of contractor..... M/S. AJAY KUMAR SANDEEP KUMAR

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
				1. Drilling Started..... <u>17-7-2019</u>
0	7.62	S. Clay		2. Drilling Completed..... <u>5-8-2019</u>
7.62	19.82	F. Sand		3. Lowering on..... <u>5-8-2019</u>
19.82	25.91	Sandy clay		4. Drilling Depth..... <u>135</u>M
25.91	28.96	Clay		5. <u>250</u> mm dia Housing Pipe..... <u>52.26</u>M
28.96	41.16	Clay Kankar		6. <u>250</u> mm dia Reducer Pipe..... <u>0.15</u>M
41.16	47.26	F. Sand		7. <u>150</u> mm dia Blind Pipe..... <u>44.4</u>M
47.26	56.40	Clay		8. <u>150</u> mm dia Slotted Pipe..... <u>28.22</u>M
56.40	59.45	Clay Kankar		9. Discharge by Compressor..... <u>975</u>LPM
59.45	65.55	F. Sand		10. Discharge by O.P. Unit..... <u>800</u>LPM
65.55	71.65	Clay Kankar		11. Remark if any:-
71.65	77.74	M+F Sand		
77.74	89.94	Sandy clay		
89.94	125	M. Sand + Bolder		
125	135	Clay		

Contractor

J. E.

A. E.

Countersigned

E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test 20/8/2019 Static W/L 6.50 mtr Taste of Water Palatable

Discharge by V. Notch		Stand Contents In PPM						Remarks
In cm.	In Lpm	Start	5 Min	10 Min	15 Min	30 Min	60 Min	
<u>7"</u>	<u>975</u>	<u>200</u>	<u>150</u>	<u>100</u>	<u>20</u>	<u>Tr.</u>	<u>Tr.</u>	

Contractor

H. E. Kumar
J. E.

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YIELD TEST REPORT BY O.P. UNIT

Size of orifice 150x125mm Taste of water Palatable Date of Test 06/09/19

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.		
<u>8.89</u>	<u>600</u>	<u>6.50</u>	<u>8.18</u>	<u>1.68</u>	<u>Tr.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	Recommended discharge <u>800</u> LPM at <u>1.85</u> mt depression. Recommended Pumping plant discharge <u>800</u> Lpm.	
<u>10.16</u>	<u>852</u>	<u>6.50</u>	<u>8.35</u>	<u>1.85</u>	<u>50</u>	<u>Tr.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>		
<u>11.43</u>	<u>953</u>	<u>6.50</u>	<u>8.63</u>	<u>2.13</u>	<u>150</u>	<u>100</u>	<u>50</u>	<u>Tr.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>		
<u>17.78</u>	<u>1205</u>	<u>6.50</u>	<u>8.94</u>	<u>2.44</u>	<u>250</u>	<u>200</u>	<u>100</u>	<u>50</u>	<u>Tr.</u>	<u>Tr.</u>	<u>Cl.</u>		
<u>27.94</u>	<u>1526</u>	<u>6.50</u>	<u>9.24</u>	<u>2.74</u>	<u>300</u>	<u>200</u>	<u>150</u>	<u>100</u>	<u>50</u>	<u>Tr.</u>	<u>Cl.</u>		

Contractor

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CHEMICAL TEST REPORT

DATE OF TEST _____ AGENCY _____

Mg/Lit	mg/Lit	mg/Lit	mg/Lit
Colour <u>Colour less</u>	Hardness Temp.	Chlorides <u>10</u>	Remarks
Nitrates <u>5.6</u>	Copper	Nitride	
PH <u>7.9</u>	Iron <u>BDL</u>	Florides <u>0.42</u>	
Total Solids	Total Alkanity	Amonia	
Dissolved Solids <u>225</u>	Sulphates <u>6</u>		
Fixed Solids	Calcium <u>20</u>		
Total Hardness (CaCO ₃) <u>164</u>	Megnecium <u>27.7</u>		
Permanent Hardness	Turbidity <u>0.8</u>		

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