

# JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

## Completion Plan of Tube Well

Name of scheme Bagawali Water Supply scheme

Spring water level in Mtrs. 16.76.....

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

Size of Bore in M.M. 675 X 55 cm<sup>2</sup>

Number & Location of tube-well executed.....2nd Near Granary..... Date of Completion of T.W. 29/05/16

Name of contractor.....M/s. Parkash Brothers Meerut

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
			AGL - 0.72	
0 - 10.67		S. Clay	300 mm $\phi$	1. Drilling Started..... <u>02/05/16</u> .....
10.67 - 13.72		H. Clay		2. Drilling Completed... <u>14/05/16</u> .....
13.72 - 22.86		F.M. Sand	300 mm $\phi$	3. Lowering on..... <u>16/05/16</u> .....
22.86 - 25.91		M. Sand		4. Drilling Depth..... <u>40.00</u> ..... M
25.91 - 41.15		Coarse Sand	41.00	5. <del>300</del> .....mm dia Housing Pipe..... <u>41.72</u> ..... M
41.15 - 47.25		F. Sand	41.10	6. <del>300 X 72</del> .....mm dia Reducer Pipe..... <u>0.10</u> ..... M
47.25 - 56.39		M. Sand (Slightly Yellow)	200 mm $\phi$	7. <del>200</del> .....mm dia Blind Pipe..... <u>50.80</u> ..... M
56.39 - 62.48		M. Sand + Boulder	55.39	8. <del>200</del> .....mm dia Slotted Pipe..... <u>42.67</u> ..... M
62.48 - 74.68		F.M. Sand	67.65	9. Discharge by Compressor..... <u>16.65</u> ..... LPM
74.68 - 77.73		M. Sand	83.98	10. Discharge by O.P. Unit..... <u>16.00</u> ..... LPM
77.73 - 86.87		Clay	18.23	11. Remark if any:-
86.87 - 105.16		M. Sand	107.31	
105.16 - 108.21		F.M. Sand	8.90	
108.21 - 114.30		F. Sand	116.21	
114.30 - 117.28		M. Sand	12.08	
117.28 - 129.54		C.M. Sand	128.29	
129.54 - 137.59		M. Sand	6.28	
137.59 - 142.00		Clay	134.57	

Contractor

J. E.

A. E.

Countersigned

E. E.

### YIELD TEST OF TW BY COMPRESSOR

Date of Test 21/05/16

Static W/L 16.76 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	
17.5	1065	300	50	Tr	Cl	Cl	Cl	

Contractor

*Rehit*  
J. E.

*g m*  
A. E.

*E. E.*

### YIELD TEST REPORT BY O.P. UNIT

Size of orifice 150x125 mm

Taste of water Sweet

Date of Test 29/05/2016

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.		
9	1411	16.76	19.41	2.65	Tr.	Cl	Cl	Cl	Cl	Cl	Cl	Recommended discharge <u>1600</u> LPM at <u>2.75</u> mt depression.  Recommended Pumping plant discharge <u>2.75</u> Lpm.	
12	1628	16.76	19.51	2.75	100	Tr	Cl	Cl	Cl	Cl	Cl		
19	2029	16.76	19.66	2.90	150	50	Tr	Cl	Cl	Cl	Cl		
25	2310	16.76	19.86	3.10	250	100	50	Tr	Cl	Cl	Cl		
35	2748	16.76	20.16	3.40	400	100	50	Tr	Cl	Cl	Cl		

Contractor

*Rehit*  
J. E.

*g m*  
A. E.

*E. E.*

### CHEMICAL TEST REPORT

DATE OF TEST 31/05/16

AGENCY EF, 1st Div. U.P.J.N., Meerut.  
Letter No - 235

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour <u>Colorless</u>	Hardness Temp. <u>—</u>	Chlorides <u>7</u>		
Nitrates <u>4.43</u>	Copper <u>—</u>	Nitride <u>Nil</u>		
PH <u>7.33</u>	Iron <u>0.122</u>	Florides <u>0.100</u>		
Total Solids <u>—</u>	Total Alkanity <u>190</u>	Amonia <u>—</u>		
Dissolved Solids <u>190</u>	Sulphates <u>13.24</u>			
Fixed Solids <u>—</u>	Calcium <u>—</u>			
Total Hardness (CaCo <sub>3</sub> ) <u>74</u>	Megnecium <u>—</u>			
Permanent Hardness <u>—</u>	Turbidity <u>2.38</u>			

*Rehit*  
J. E.

*g m*  
A. E.

*E. E.*