

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

जगोह

## Completion Plan of Tube Well

Name of scheme ..... RADAUR WIS SCHEME SRE ..... Spring water level in Mtrs. 19.00 .....

Total No. of tube well provided in the scheme..... ONE ..... Size of Bore in M.M. 675x550 .....

Number & Location of tube-well executed..... NEAR OHT ..... Date of Completion of T.W. 17.7.15 .....

Name of contractor..... M/S. A.S.I. ENTERPRISES MEERUT .....

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
0.00	0-3.00	Surface clay	0-40	1. Drilling Started..... <u>8-5-15</u> ..... 2. Drilling Completed..... <u>14-5-15</u> ..... 3. Lowering on..... <u>16-5-15</u> ..... 4. Drilling Depth..... <u>148.00</u> .....M 5. <u>250</u> mm dia Housing Pipe..... <u>45.49</u> .....M 6. <u>250</u> mm dia Reducer Pipe..... <u>0.15</u> .....M 7. <u>200</u> mm dia Blind Pipe..... <u>71.89</u> .....M 8. <u>200</u> mm dia Slotted Pipe..... <u>25.81</u> .....M 9. Discharge by Compressor..... <u>680</u> .....LPM 10. Discharge by O.P. Unit..... <u>800</u> .....LPM 11. Remark if any:-  PUMPING PLANT:- MAKE - VARUHA DISCHARGE - 750 HEAD - 46 HP - 15 COLUMN PIPE - 100 mm 30 mt. length
10	3.00-8.00	Fine sand	5.65	
20	8.00-16.00	Sphd 4th Kankar	6.05 6.04	
30	16.00-28.00	Fine sand	6.04 6.04	
40	28.00-39.00	Sandy clay	6.05 6.05	
50	39.00-52.00	Med. Sand	3.17	
60	52.00-60.00	Sandy clay	5.95 5.95	
70	60.00-72.00	Med. Sand	3.32	
80	72.00-81.00	clay	6.04 4.02	
90	81.00-93.00	Med. Sand	6.25 5.95	
100	93.00-102	clay	2.04	
110	102.00-105.00	Fine sand	5.00	
110	105.00-110.00	clay kankar	1.60	
120	110.00-114.00	Fine sand	6.02 5.93	
130	114.00-132.00	Sandy clay Kankar	5.96 5.96	
140	132.00-140.00	Med. Sand	5.96 5.96	
150	140.00-148.00	clay kankar	3.02 1.10	
			6.05 1.06	
			2.95	

*Agar*

*Sharma*

*Rachey*

Countersigned  
*[Signature]*  
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### YIELD TEST OF TW BY COMPRESSOR

Date of Test		1-7-15		State Wt.		18th Div.		Taste of Water		Sweet	
Discharge by 1. Nozzle		Sand Contents in PPM						Remarks			
in cm	in LPM	Start	5 Min	10 Min	15 Min	30 Min	60 Min				
6"	680	935	575	235	165	50	TY				
Contractor		J.E.				A.E.		E.E.			

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

Size of orifice		1.5" x 1/8" No. 4		Taste of water		Sweet		Date of Test				17-7-15	
Height of water column in orifice (ft. or cm.)	Discharge in L.P.M.	S.W.L. in Mts.	R.W.L. in Mts.	Depression in Mts.	SAND CONTENTS IN P.P.M.							Recommendations.	
					Starting	3 Min	10 Min	15 M	20 M	25 M	30 M		
9"	719	17-38	18-83	1-45	15	TY	el	el	el	el	el	el	Recommended discharge 800 LPM at 1.8 unit depression. Recommended Pumping plant discharge 800 Lpm.
12"	833	17-38	18-40	1-52	25	TY	el	el	el	el	el		
18"	1015	17-38	19-01	1-71	30	27	TY	TY	el	el	el		
25"	1204	17-38	19-31	1-93	40	30	20	TY	el	el	el		
35"	1420	17-38	19-53	2-15	50	40	25	TY	el	el	el		
Contractor		J.E.				A.E.		E.E.					

### CHEMICAL TEST REPORT

DATE OF TEST		21-7-15		AGENCY				EE, FIRST DIV. UPIN, MEEAOT			
Colour	54.5	Hardness Temp.		Chlorides	14	Remarks					
Nitrates	7.53	Copper		Nitride	Nil						
PH	7.61	Iron	0.038	Fluorides	0.119						
Total Solids		Total Alkalinity	260	Ammonia							
Dissolved Solids	332	Sulphates	111.28	Residual Chloride - Nil							
Fixed Solids		Calcium									
Total Hardness (CaCo <sub>3</sub> )	200	Magnesium									
Permanent Hardness		Turbidity									
Contractor		J.E.				A.E.		E.E.			