


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

## Completion Plan of Tube Well

Name of scheme IGRI W/S SCHEME Spring water level in Mtrs. 6.25  
 Total No. of tube well provided in the scheme ONE Size of Bore in M.M. 550x550  
 Number & Location of tube-well executed NEAR OHT Date of Completion of T.W. 25.9.17  
 Name of contractor DEPTT. RIG/M/C (600/27)

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
0.00			0.18	
10	0.00 - 9.14	Surface Clay	6.05	1. Drilling Started..... <u>20-7-17</u> .....
20	9.14 - 15.24	Fine to Med. Sand	6.05	2. Drilling Completed..... <u>2-8-17</u> .....
30	15.24 - 25.91	Clay	6.06	3. Lowering on..... <u>5-8-17</u> .....
40	25.91 - 42.68	Med. Sand	6.05	4. Drilling Depth..... <u>106.70</u> .....M
50	42.68 - 47.25	Clay	6.05	5. ....mm dia Housing Pipe.....M
55	47.25 - 55.18	Stone + Clay	6.00	6. ....mm dia Reducer Pipe.....M
60			6.04	7. <u>200</u> mm dia Blind Pipe..... <u>84.61</u> .....M
65	55.18 - 64.02	Coarse Sand Boulder	1.06	8. <u>200</u> mm dia Slotted Pipe..... <u>16.05</u> .....M
70	64.02 - 66.15	Hard Clay	<u>67.53</u>	9. Discharge by Compressor..... <u>650</u> .....LPM
75	66.15 - 74.39	Coarse Sand Boulder	6.00	10. Discharge by O.P. Unit..... <u>550</u> .....LPM
80	74.39 - 76.21	Clay	6.04	11. Remark if any:-
85	76.21 - 81.09	Med. Sand Boulder	5.00	
90	81.09 - 83.23	Clay	5.02	
95	83.23 - 95.73	Med. Sand	5.03	
100			6.04	
105	95.73 - 106.70	Clay	100.48	
110				

Countersigned  
  
 A.E.

DEPTT.  
 Contractor

J.E.

### YIELD TEST OF TW BY COMPRESSOR

Date of Test 16-8-17 Static W/L 6.15 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"	650	600	150	50	Tr	El	El	

DEPH.  
Contractor

S. J.E.  
J. E.

[Signature]  
A. E.

[Signature]  
E. E.

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

Size of orifice 150 x 75 mm. Taste of water Sweet Date of Test 25-9-17

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.		
10"	500	6.09	6.99	0.90	20	El	El	El	El	El	El	Recommended discharge <u>550 LPM</u> at <u>1.10</u> mt depression.  Recommended Pumping plant discharge <u>550 Lpm.</u>	
14"	590	6.09	7.19	1.10	40	Tr	El	El	El	El	El		
20"	712	6.09	7.49	1.40	60	50	20	Tr	El	El	El		
25"	795	6.09	7.74	1.65	85	60	30	Tr	El	El	El		
35"	946	6.09	8.14	2.05	110	70	50	20	Tr	El	El		

DEPH.  
Contractor

S. J.E.  
J. E.

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A. E.

[Signature]  
E. E.

### CHEMICAL TEST REPORT

DATE OF TEST 4-10-17 AGENCY EE, FIRST DIV, UPJH, MEERUT

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour <u>34 Turb</u>	Hardness Temp.	Chlorides <u>15</u>		
Nitrates <u>12.70</u>	Copper	Nitride <u>N/A</u>		
PH <u>7.43</u>	Iron <u>0.263</u>	Florides <u>0.243</u>		
Total Solids	Total Alkanity <u>100</u>	Amonia		
Dissolved Solids <u>148</u>	Sulphates <u>9.09</u>	<u>Residual Chloride - N/A</u>		
Fixed Solids	Calcium			
Total Hardness (CaCo <sub>3</sub> ) <u>80</u>	Megnecium			
Permanent Hardness	Turbidity <u>5.90</u>			

S. J.E.  
J. E.

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A. E.

[Signature]  
E. E.