

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

## Completion Plan of Tube Well

Name of scheme ... KANALS WATER SUPPLY SCHEME Spring water level in Mtrs. 12.70  
 Total No. of tube well provided in the scheme ... ONE Size of Bore in M.M. 675 x 550  
 Number & Location of tube-well executed ... ONE Date of Completion of T.W. 12/06/15  
 Name of contractor ... M/S. SHOBHA RAM PREMI, MEERUT

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
			ACIL-0.67	
0-7.62		Surface Clay		1. Drilling Started..... <u>17.04.2015</u>
7.62-10.67		F. Sand		2. Drilling Completed..... <u>21.04.2015</u>
10.67-16.76		Clay + Kankar		3. Lowering on..... <u>22.04.2015</u>
16.76-22.80		F. Sand		4. Drilling Depth..... <u>144.78</u> M
22.80-35.05		Hard Clay + Kankar		5. 300 mm dia Housing Pipe..... <u>55.01</u> M
35.05-44.20		Fine Sand		6. 300 x 200 mm dia Reducer Pipe..... <u>0.10</u> M
44.20-53.54		Hard Clay		7. 200 mm dia Blind Pipe..... <u>16.25</u> M
53.54-57.91		Fine Sand		8. 200 mm dia Slotted Pipe..... <u>29.21</u> M
57.91-63.58		Med. Sand		9. Discharge by Compressor..... <u>1536</u> LPM
63.58-77.72		Fine Sand		10. Discharge by O.P. Unit..... <u>2000</u> LPM
77.72-84.70		Hard Clay + Kankar	11. Remark if any:-	
			<u>PUMP</u>	
			MAKE : VARUNA	
			DISCHARGE : 1400 (LPM)	
			HEAD : 62 mt	
			H.P. : 30	
			COL. PIPE : 150 mm x 45 mt.	
84.70-102.11		Fine to Med. Sand		
102.11-112.78		Hard Clay		
112.78-114.30		Fine Sand		
114.30-121.90		Med. to Coarse Sand		
121.90-124.90		F. M. Sand		
124.90-144.78		Hard Clay		

Contractor

J. E.

A. E.

Countersigned

E. E.

## YIELD TEST REPORT BY J.A. UNIT

Name of Agency: Year of Water: 1970 Date of Test: 11/12/70

Discharge in C.M.		SAND CONTENTS IN P.P.M.						Remarks
10 CM	15 CM	20 CM	25 CM	30 CM	35 CM	40 CM		
8.5	10.5	10.00	8.00	11	12	12	12	

Contractor: A.R. A.R.

## YIELD TEST REPORT BY J.A. UNIT

Name of Agency: Year of Water: 1970 Date of Test: 11/12/70

Height of water column in C.M.	Discharge in C.M.	SAND CONTENTS IN P.P.M.										Remarks
		20 CM	25 CM	30 CM	35 CM	40 CM	45 CM	50 CM	55 CM	60 CM	65 CM	
15	20.20	12.40	11.20	2.20	11	12	12	12	12	12	12	Recommended discharge for 15 CM or 17 CM of water Recommended discharge for 17 CM of water Recommended discharge for 17 CM
20	22.00	12.40	12.00	5.40	10	11	12	12	12	12		
30	28.20	12.40	12.00	5.20	10	10	11	12	12	12		
40	28.20	12.40	12.00	5.20	10	10	10	11	12	12		
50	5.20	12.40	12.00	5.20	10	10	10	11	12	12		

Contractor: A.R. A.R.

## CHEMICAL TEST REPORT

AGENCY

DATE OF TEST

	Mg/L	Mg/L	Mg/L	Mg/L	Remarks
Chlorine	1.2	Hardness Temp	Calcium	2.2	
Nitrate	10.00	Copper	Iron	1.1	
TOT	1.1	Iron	Fluoride	1.4	
Total Solids		Total Alkali	Ammonia		
Total Solids	1.2	Ammonia			
Total Hardness (CaCO <sub>3</sub> )	1.0	Fluoride			
Permanent Hardness		Mercuric Chloride			
		Specific Gravity			