

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme NIYAMATARA..... Spring water level in Mtrs. 12.....
Total No. of tube well provided in the scheme 01..... Size of Bore in M.M. 550 x 500.....
Number & Location of tube-well executed 01 H.T. Campus..... Date of Completion of T.W. 30-7-18.....
Name of contractor M/s. A.A. Construction

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
				1. Drilling Started <u>27/6/2018</u>
0-3		Surface Soil	6.03	2. Drilling Completed <u>16/7/2018</u>
3-12		Sandy clay	6.07	3. Lowering on <u>16-7-18</u>
12-22		Fine Sand	6.03	4. Drilling Depth <u>16.0</u>M
22-46		S. Clay + Kankar	6.05	5. <u>200</u> mm dia Housing Pipe <u>53.97</u>M
46-58		Sand + Kankar	6.06	6. <u>800</u> mm dia Reducer Pipe <u>0.11</u>M
58-67		Clay + Kankar	6.06	7. <u>150</u> mm dia Blind Pipe <u>75.8</u>M
67-72		Sand + Kankar	6.05	8. <u>150</u> mm dia Slotted Pipe <u>22.25</u>M
72-85		Sandy clay	6.05	9. Discharge by Compressor <u>650</u>LPM
			6.06	10. Discharge by O.P. Unit <u>600</u>LPM
			6.06	11. Remark if any:-
			6.07	
			6.04	
			1.20	
85-100		Sand + Kankar	6.13	
100-105		Clay + Kankar	6.12	
105-111		Fine Sand	6.05	
111-120		Clay	6.08	
120-122		Fine Sand	6.07	
122-124		Clay	6.06	
124-128		Sand + Kankar	6.07	
128-136		Clay + Kankar	6.07	
136-147		Sand + Kankar	1.85	
147-160		Clay + Kankar	6.07	

Contractor

J. E.

A. E.

E. E.

Countersigned

YIELD TEST OF TW BY COMPRESSOR

Date of Test 21-7-2018

Static W/L 10

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	
14"	585	750	250	100	50	Tr	02	

Contractor

J. E.

A. E.

E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice 150x100

Taste of water Sweet

Date of Test 27-7-2018

Size of orifice		150x100		Taste of water		Green		Date					
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.		
6"	587	12.50	14.75	2.25	10	Tr	02	02	02	02	02	Recommended discharge 600 LPM at 2.30mt depression. Recommended Pumping plant discharge...600 Lpm.	
8"	680	12.50	14.80	2.30	20	Tr	02	02	02	02	02		
12"	833	12.50	14.94	2.44	25	15	Tr	Tr	02	02	02		
16"	958	12.50	15.05	2.55	35	25	10	Tr	02	02	02		
20"	1072	12.50	15.20	2.70	40	30	15	Tr	02	02	02		

Contractor

J. E.

A. E.

E. E.

CHEMICAL TEST REPORT

DATE OF TEST

AGENCY

Mg/Lit	mg/Lit	mg/Lit	mg/Lit
Colour	Hardness Temp.	Chlorides 13	Remarks
Nitrates 0.14	Copper	Nitride	
PH 7.23	Iron 0.08	Florides 0.24	
Total Solids	Total Alkanity 216	Amonia	
Dissolved Solids 197	Sulphates 8		
Fixed Solids	Calcium		
Total Hardness (CaCo3) 204	Megnecium		
Permanent Hardness	Turbidity 0.28		

J. E.

A. E.

E. E.