

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme Sabjani Umasripuri

Spring water level in Mtrs 14.0 M

Total No. of tube well provided in the scheme 01 No.

Size of Bore in M.M. 675 x 550

Number & Location of tube-well executed 0: H: T: Camp

Date of Completion of T.W. 30/01/19

Name of contractor M/s. Hindustan Pumps Machinery

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
			← 300mm →	
0 - 12.19 Mtr		clay	5.98	1. Drilling Started <u>16/12/2018</u>
12.19 Mtr - 15.24 Mtr		Fine Sand	5.96	2. Drilling Completed <u>24/12/2018</u>
15.24 Mtr - 21.34 Mtr		clay	5.97	3. Lowering on <u>08/01/2019</u>
21.34 Mtr - 30.48 Mtr		Fine Sand	6.00	4. Drilling Depth <u>123.0</u> M
30.48 Mtr - 33.53 Mtr		clay	5.97	5. 300 mm dia Housing Pipe <u>53.92</u> M
33.53 Mtr - 39.63 Mtr		Fine Sand	6.02	6. <u>300</u> / <u>200</u> mm dia Reducer Pipe <u>0.1</u> M
39.63 Mtr - 42.68 Mtr		clay + kankar	6.05	7. <u>200</u> mm dia Blind Pipe <u>30.10</u> M
42.68 Mtr - 54.87 Mtr		clay	5.98	8. <u>200</u> mm dia Slotted Pipe <u>26.76</u> M
54.87 Mtr - 57.92 Mtr		Fine Sand	5.99	9. Discharge by Compressor LPM
57.92 Mtr - 60.97 Mtr		clay	6.0	10. Discharge by O.P. Unit <u>15.00</u> LPM
60.97 Mtr - 74.65 Mtr		Medium Sand	2.5	11. Remark if any:-
74.65 Mtr - 79.26 Mtr		clay	6.0	
79.26 Mtr - 91.46 Mtr		Medium Sand	0.50	
91.46 Mtr - 99.58 Mtr		clay	6.07	
99.58 Mtr - 105.48 Mtr		Medium sand	4.20	
105.48 Mtr - 123 Mtr		clay	6.02	
			3.52	
			4.50	
			5.57	
			← 200mm →	

Contractor

S.E.

A. E.

Countersigned

E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test		Static W/L						Taste of Water	
Discharge by V. A. A. A.		Sand Contents in PPM						Remarks	
in cm	in LPM	Start	5 Min	10 Min	15 Min	30 Min	60 Min		

Contractor
J. E.
A. E. E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice		Taste of water - Sweet				Date of Test - 23/01/2019							
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		
8"	1300	14.0	15.70	1.70	cl	cl	cl	cl	cl	cl	cl	Recommended dischargeLPM atmt depression. Recommended Pumping plant discharge.....Lpm.	
12"	1627	14.0	15.90	1.90	Tm	Tm	Tm	cl	cl	cl	cl		
16"	1873	14.0	16.10	2.10	50	Tm	cl	cl	cl	cl	cl		
20"	2074	14.0	16.50	2.50	70	30	Tm	Tm	cl	cl	cl		
23"	2210	14.0	16.80	2.80	100	50	10	Tm	Tm	cl	cl		

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 15	Remarks
Nitrates 6.8	Copper	Nitride	
PH 7.6	Iron 0.05	Florides 47	
Total Solids	Total Alkany	Amonia	
Dissolved Solids 310	Sulphates 7.9		
Fixed Solids	Calcium 51.3		
Total Hardness (CaCo ₃) 234	Megnecium 25.7		
Permanent Hardness	Turbidity 0.3		

Contractor
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