

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme KUDANA W/s. Scheme, Dist. Shamli Spring water level in Mtrs. 24.65 M
 Total No. of tube well provided in the scheme... 2 Size of Bore in M.M. 675 X 600
 Number & Location of tube-well executed II. no. (Near Temple) Date of Completion of T.W. 05-02-2014
 Name of contractor M/s. Pioneer Drilling Co. GZB.

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
GL. —	4.57 M	Surface clay	↓ 0.53 ↑ GL	1. Drilling Started... <u>06-12-2013</u>
4.57 —	13.72 M	F. Sand.	300mm Φ	2. Drilling Completed... <u>18-12-2013</u>
13.72 —	25.91 M	M. Sand.		3. Lowering on... <u>20-12-2013</u>
25.91 —	28.96 M	F. Sand	300mm Φ	4. Drilling Depth... <u>118.90 M</u> M
28.96 —	44.21 M	M. Sand.		5. 300mm dia Housing Pipe... <u>48.18</u> M
44.21 —	53.35 M	clay	300 X 200 Φ	6. 300 X 200 mm dia Reducer Pipe... <u>0.10</u> M
53.35 —	74.70 M	M. Sand		7. 200mm dia Blind Pipe... <u>31.90</u> M
74.70 —	80.79 M	clay	6.04 53.79	8. 200mm dia Slotted Pipe... <u>30.44</u> M
80.79 —	86.89 M	M. Sand		9. Discharge by Compressor... <u>1134</u> LPM
86.89 —	90.84 M	clay	 20.24	10. Discharge by O.P. Unit... <u>1500</u> LPM
90.84 —	96.63 M	M. Sand		11. Remark if any:- <u>Detail of pumping plant.</u>
96.63 —	100.61 M	clay	 74.02	Make - <u>WIP</u>
100.61 —	106.10 M	M. Sand		DISCHARGE - <u>1500 LPM</u>
106.10 —	118.90 M	clay	7.81 81.84	Head - <u>56 M.</u>
				H.P. - <u>30</u>
			 85.94	Column Pipe - <u>150mm Φ X 36 M</u>
			6.01 91.95	
			4.00 95.95	
			6.02 101.97	
			2.10 104.07	
			6.02 110.09	
			200mm Φ	

Countersigned

M/s Pioneer Drilling Co. GZB. Contractor (P.K. Sharma) J. E. (D.K. Goel) A. E. (Jag Deo Singh) E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test 08-01-2014

Static W/L 24.80 M

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	
7"	1134	450	200	50	Tr	cl	cl.	

(H/S Pioneer Drilling Co. G2B)
Contractor

(P.K.Sharma)
J. E.

(D.K.Goel)
A. E.

(Jag Deo Singh)
E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice

Taste of water Sweet

Date of Test 05-02-2014

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"	1487	24.85	29.10	4.25	Tr	cl	cl	cl	cl	cl.	Recommended discharge 1500 LPM at 4.25 mt depression. Recommended Pumping plant discharge.....Lpm.	
15"	1816	24.85	29.45	4.60	150	100	50	Tr	cl	cl		
20"	2074	24.85	29.70	4.85	300	200	125	Tr	cl	cl		
30"	2528	24.85	29.83	4.98	850	350	150	50	cl	cl		

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CHEMICAL TEST REPORT

DATE OF TEST 10-02-2014

AGENCY EE 1ST KHAND UPJN MAT

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour	Hardness Temp.	Chlorides	14	
Nitrates	8.20	Copper		
PH	7.89	Iron	0.26	
Total Solids	Total Alkanity	Florides	0.105	
Dissolved Solids	50	Sulphates	7.20	
Fixed Solids	Calcium	12		
Total Hardness (CaCo ₃)	200	Megnecium		
Permanent Hardness	Turbidity	NIL		

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