

**JAL NIGAM YANTRIK KHANDEE
U.P. JAL NIGAM MEERUT**

Completion Plan of Tube Well

Name of Scheme SURAJA, U.P. SACHINDE, N.Z.M Applied 10/11/10 with 20000/-
 Total No. of Tube well Provided in the Scheme 10/11/10
 Number & Location of tube-well Executed SURAJA, U.P. (10/11/10) DATE OF COMPLETION OF JOB 10/11/10
 Name of Contractor N.L.S. ENGINEERS, DRILLING Co. U.P.

Depth B. GL Meter	Boring Chart with representation	Stratum	Executed Assembly	Remarks
0			AGL = 0.00 M	1. Drilling started 0-1-10/10
18.30 M		Surface Clay	350mm dia 1200 1327M	2. Drilling completed 0-1-10/10
30.48 M		Fine to medium sand		3. Casing set 0-1-10/10
39.63 M		clay		4. Drilling depth 1327M
45.73 M		medium sand		5. 250 Dia started 0-1-10/10
54.87 M		M sand		6. 350 Dia reduced 0-1-10/10
57.92 M		clay Kankar		7. 400 Dia started 0-1-10/10
		Medium sand		8. 200 Dia started 0-1-10/10
		clay		9. Discharge by Compressor 10/11/10
91.46 M		clay		10. Discharge by O.P. Unit 10/11/10
94.57 M		Sandstone		11. Remark if any:-
97.56 M		Medium sand		
115.89 M		clay		
131.09 M				

As Executed

Contractor: (Pioneer Drilling Co.) J.E. (D.K. GOEL) S.E. (Suresh Singh) Contractor: (S.S. Kishore)

YIELD TEST OF TW BY COMPRESSOR

Date of Test 27-7-10 Static W/L 10.00 Taste of Water Sweet

Discharge by V. Notch	Sand Contents in PPM						Remarks	
	In cm.	In Lpm	Start	5 Min	10 Min	15 Min		30 Min
9"	2000	500	200	Tr	cl	cl	cl	

Contractor: (Pioneer Drilling Co.) J.E. (D.K. GOEL) S.E. (Suresh Singh) Contractor: (S.S. Kishore)

YIELD TEST REPORT

State No. 1681/02

Tests of water flow

Date of test 11/05/11

Depth of Disc	Discharge in l/min	SWI in l/min	SWI in l/min	Depression in ft	REMARKS								
					5 ft	10 ft	15 ft	20 ft	25 ft	30 ft	35 ft	40 ft	
0'	20.14	11.05	10.88	3.24	cl	cl	cl	cl	cl	cl	cl	cl	cl
3'	20.72	11.08	10.60	3.50	cl	cl	cl	cl	cl	cl	cl	cl	cl
6'	21.06	11.05	10.54	3.60	tr	tr	cl	cl	cl	cl	cl	cl	cl
9'	21.13	11.04	10.55	3.50	tr	tr	tr	tr	cl	cl	cl	cl	cl
12'	21.24	11.02	10.15	3.73	tr	tr	tr	tr	tr	cl	cl	cl	cl
15'	21.30	11.04	10.20	3.60	tr	tr	tr	tr	tr	tr	tr	tr	tr

Recommendations

Recommended discharge 20.14 - 21.30 at 15 feet depression
Recommended pumping plant discharge 20.14 l/min

VERTICALITY TEST REPORT

DIA of Disc 380mm Dia of HOUSING 380mm DATE OF TEST 11/05/11

Height of Suspension 3.00 m

Clear 200mm diameter the housing

Circle Diagram

DEPTH OF Disc	Observed Deviation				Actual Deviation			
	E	W	N	S	E	W	N	S
3	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
12	1	0	0	0	0	0	0	0
15	1	0	1	0	13	0	13	0
18	1	0	1	0	14	0	14	0
21	2	0	1	0	23	0	15	0
24	2	0	3	0	25	0	31	0
27	3	0	3	0	27	0	27	0

CLEAR SPACE 206 At 21 m

280mm At 27 m

CHEMICAL TEST REPORT

DATE OF TEST 13-8-10

AGENCY Es. and Div. of P. & T. Mysore, No. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

	Mg/L	mg/L	mg/L	mg/L	Remarks
Colour	<u>10</u>				Potable
Nitrates	<u>Nil</u>				
PH	<u>7.9</u>				
Total Solids					
Dissolved Solids	<u>211</u>				
Fixed Solids					
Total Hardness (C.C.)	<u>190</u>				
Permanent Hardness					
Hardness Temp.					
Chlorides			<u>29</u>		
Copper				<u>1.14</u>	
Iron		<u>0.8</u>		<u>Nil</u>	
Total Alkalinity		<u>242</u>		<u>Nil</u>	
Sulphates				<u>Nil</u>	
Calcium					
Magnesium					
Turbidity					

Signature