

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

33

Completion Plan of Tube Well

Name of Scheme DHANWA W/S Scheme DISTT SRE Spring water level In. Mtrs 20.50
Total No. of Tube well Provided in the Scheme..... Size of Bore in M.M. 67.5 X 55.0
Number & Location of tube-well Executed..... Date of Completion of T.W. 17.1.11
Name of Contractor Pioneer Drilling Co. (P) Ltd.

Depth B. GL Meter	Boring Chart with repretation	Stratum	Executed Assembly	A.C.L	ABSTRACT
10.00		Surface clay		0.00	1. Drilling Started... <u>16.8.10</u>
20.00	15.24	M+C Sand			2. Drilling Completed... <u>6.9.10</u>
30.00	21.34	Clay with Very fine Sand			3. Lowering on... <u>9.9.10</u>
40.00	42.68	F+M Sand			4. Drilling Depth... <u>169.00</u> M
50.00	57.53	With clay sand		49.95	5. <u>300</u> Dia Housing Pipe... <u>50.75</u> M
60.00		M+C Sand		50.05	6. <u>300</u> Dia Reducer... <u>ONE NO.</u> M
70.00	70.12	CLAY		62.05	7. <u>200</u> Dia Blind Pipe... <u>71.59</u> M
80.00	79.27	F+M Sand		68.05	8. <u>200</u> Dia Slotted Pipe... <u>25.34</u> M
90.00	85.36	CLAY		80.01	9. Discharge by Compressor... <u>2000 LPM</u>
100.00	94.51	Medium Sand		83.01	10. Discharge by O.P. Unit
105.00	106.71	CLAY		94.98	11. Remark if any:-
110.00	109.75	M. Sand		104.96	
115.00	112.80	CLAY		109.46	
120.00	118.90	M. Sand		111.45	
125.00	121.95	CLAY		119.74	
130.00				121.11	
135.00					
140.00	137.19	C. Sand		138.98	
145.00	143.29			141.98	
150.00				146.98	
155.00	155	CLAY			
160.00		Very Fine Sand			
165.00	162	CLAY			
170.00	169				
175.00					

As Executed

[Signature]
Contractor

[Signature]
J. E.

[Signature]
A. E.

Countersigned
[Signature]
E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test 9.11.10 Static W/L 20.20 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	60 Min	
23	2030	3000	1000	500	100	Tr.	CL.	

[Signature]
Contractor

[Signature]
J. E.

[Signature]
A. E.

[Signature]
E. E.

YIELD TEST REPORT

Static W/L... 20.20..... Taste of water... Sweet..... Date of Test... 17.1.11.....

Height of Water in Discharge Tube (Inches)	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.	20M.	25 M.	30M.	
20	2076	20.20	24.35	4.15	150	Fr.	CL.	CL.	CL.	CL.	CL.	Recommended discharge 2000 LPM at 4.15 mt depression. Recommended Pumping plant discharge 2000 Lpm.
25	2300	20.20	24.70	4.50	250	100	Fr.	Fr.	CL.	CL.	CL.	
30	2500	20.20	24.90	4.70	350	200	100	Fr.	Fr.	Fr.	Fr.	
35	2750	20.20	25.80	5.30	400	250	200	100	100	100	100	

Contractor

J. E.

A. E.

E. E.

VERTICALITY TEST REPORT

DIA of Disc... 2.80..... Dia of HOUSING... 3.00..... DATE OF TEST... 17-1-11.....

Height of Suspension... 3 Mt.....

Clear... 10 mm.....

Circle Diagram

DEPTH OF Disc	Observed Deviation				Actual Deviation			
BGL In MTC.	E	W	N	S	E	W	N	S
0.	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0
27	0	1	1	0	0	20	20	0
30	0	1	2	0	0	21	32	0
33	0	1	2	0	0	22	34	0
36	0	2	2	0	0	36	36	0

CLEAR SPACE... 271..... At... 27 mt

..... 249..... At... 36 mt

CHEMICAL TEST REPORT

DATE OF TEST 14.3.11

AGENCY P.M. Const. Unit, V.P. Jal Nigam, Sahayawar
o/o Santhik Div. Ltr No- 371/7/11 dt. 23.3.11

Mg/Lit	mg/Lit	mg/Lit	mg/Lit
Colour - COLOUR LESS	Hardness Temp.	Chlorides - 43	Remarks
Nitrates - 4.43	Copper	Nitrate - NIL	
PH - 7.7	Iron - 0.1	Fluoride - 0.1	
Total Solids - 182	Total Alkalinity - 142	Amonia	
Dissolved Solids	Sulphates - 19.2	Calc Chlorine - NIL	
Fixed Solids	Calcium		
Total Hardness (C.Co)-158	Magnesium		
Permanent Hardness	Turbidity - 3.5		

Draughts Man

A. E.

E. E.