

JAL NIGAM YANTRIK SHAKHA U. P. JAL NIGAM MEERUT

Completion Plan of INDORKHERA TW-2

Type of Rig. m/c.... R.C. 600/27^u

Spring Water Level 13.72 Mts.

DISTRICT BULAND SHAHAR

SIZE OF BORE 675/600 mm.

Depth B.G.L Meter	Boring Chart with representation	Stratum	Executed Assembly
4.573		SURFACE CLAY	$\phi 400 \text{ mm}$
10.670		HARD CLAY	H
16.768		CLAY + KANKER	C
21.341		MED. SAND	U
			38.58
		HARD CLAY + KANKER	S
39.634		MED. SAND	I
46.341		CLAY + KANKER	N
54.878		MED. SAND	G
57.926		HARD CLAY	
64.939		FINE TO MED. SAND	
68.597		CLAY LAVING	
76.219		HARD STONE	
79.268		SAND STONE + MED. SAND	
85.365		CLAY	
99.085		HARD CLAY + KANKER	
114.329			

ABSTRACT

1. Drilling Started..... 14.12.86...
2. Drilling Completed.. 1.1.87.....
3. Lowering on..... 1-1-87...
4. Drilling Depth..... 114.329 M.
5. 400 mm Dia Housing Pipe..... 38.58 M.
6. 240 mm Dia Blind Pipe..... 22.23 M.
7. 200 mm Dia Slotted Pipe..... 19.53 M.
8. Discharge by Compressor.. 1310 LPM.
9. Discharge by O. P. Unit 1428 LPM
10. Remark if any. —

As Executed

(R.D. NAYAK)
J. E.

(M.C. GUPTA)
A. E.

Countersigned

(R.S. BHARATIA)
E. E.

YIELD TEST REPORT BY COMPRESSOR

Date of Test 6/1/87 Static W/L 13.72 Taste of Water. SWEET

Discharge by V. Notch	Sand Contents in PPM							Remarks
In inches	In Lpm	Start	Min.	10 Min	15 Min	30 Min	60 M.	
7"	1105	160	215 80 Tr.	cl.	-	cl.	cl.	
7 1/2"	1310	220	100 Tr.	cl.	-	cl.	cl.	

Time	Discharge in L.P.M.	SWL in Mts	RWL in Mts	Depression in Mts	SAND CONTENTS IN P.P.M.							Recommendations.
					Starting	2 MIN	5 Min	10 Min	15 M	20M	30 M	
-	1115	13.72	17.37	3.35	40	Tr.	cl.	cl.	cl.	cl.	-	Recommended discharge 1420 LPM at 4.87 mts depression.
-	1285	13.72	17.99	4.27	60	Tr.	cl.	cl.	cl.	cl.	-	
-	1420	13.72	18.69	4.87	80	20	cl.	cl.	cl.	cl.	-	
-	1568	13.72	19.81	6.09	120	40	Tr.	cl.	cl.	cl.	-	Recommended Pumping plant discharge 850 Lpm
-	1738	13.72	21.34	7.62	140	60	20	Tr.	cl.	cl.	-	

(B.C. GUPTA)
J. E.

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A. E.

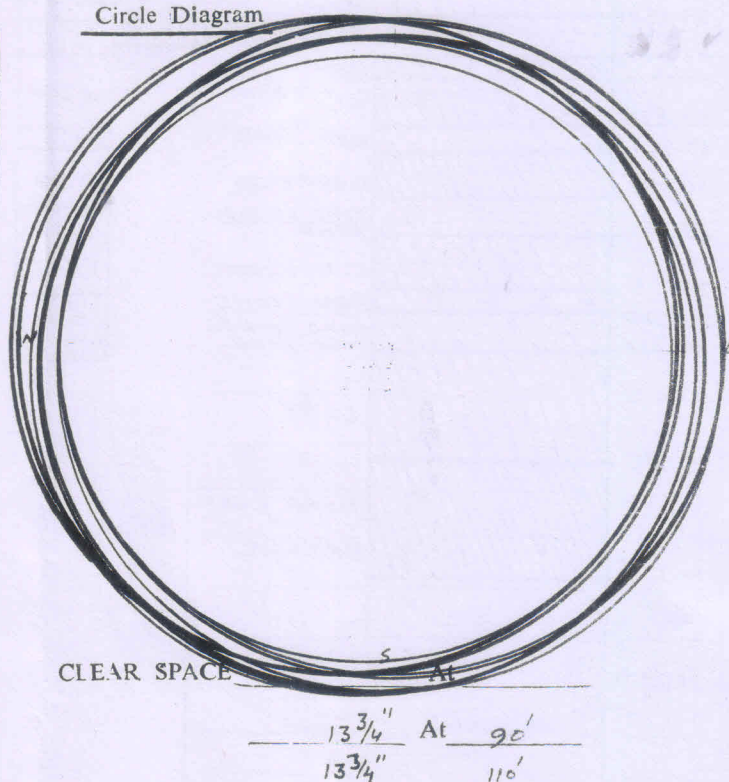
(R.S. BHAKTACHARYA)
E. E.

VERTICALITY TEST REPORT

DIA of Disc $14 \frac{3}{4}$ " DIA of HOUSING $15 \frac{1}{4}$ " DATE OF TEST 8-3-87
 Height of Suspension $10'$
 Clearance $\frac{1}{4}$ "

DEPTH of Disc BGL In FEET	Observed Deviation IN INCHES				Actual Deviation IN INCHES			
	E	W	N	S	E	W	N	S
10	0	0	0	0	0	0	0	0
20	0	0	0	$\frac{3}{16}$	-	-	-	-
30	0	0	0	$\frac{1}{8}$	-	-	-	$\frac{3}{4}$
40	0	$\frac{1}{8}$	0	$\frac{1}{8}$	-	$\frac{7}{8}$	-	$\frac{7}{8}$
50	0	$\frac{3}{16}$	0	$\frac{1}{8}$	-	$\frac{3}{8}$	-	1
60	0	$\frac{1}{8}$	0	$\frac{1}{8}$	-	1	-	1
70	0	$\frac{1}{8}$	0	$\frac{1}{8}$	-	$\frac{1}{4}$	-	$\frac{1}{4}$
80	0	$\frac{3}{16}$	0	0	-	$\frac{15}{16}$	-	-
90	0	$\frac{3}{16}$	0	0	-	$\frac{2}{8}$	-	-
100	0	$\frac{1}{8}$	0	0	-	$\frac{5}{8}$	-	-
110	0	$\frac{1}{8}$	0	0	-	$\frac{7}{12}$	-	-
120	0	$\frac{1}{16}$	0	0	-	$\frac{1}{16}$	-	-

Circle Diagram



CHEMICAL TEST REPORT

CED/EYM/CLT/103-CL T(10)
DATE OF TEST 31-3-87

AGENCY:- UNIVERSITY OF ROORKEE

Mg/Lit		mg/Lit		mg/Lit		mg/Lit	
Colour	-	Hardness Temp.	96	Chlorides	17	BACTERIOLOGICAL:- Total counts on agar at 37°C 24 HRS 2 counts/ml MPN Coliform counts/100 ml. Remarks:- The water is good for drinking purpose it should be used after proper chlorination.	
Nitrates Nitrogen	0.002	Copper	-	Nitrites Nitrogen	NIL		
pH	7.8	iron	-	Fluorides	-	2.0	
Total Solids	344.5	Total Alkalinity	-	Amoniacal NITROGEN	Tr.		
Dissolved Solids	-	Sulphates	-	organic "	0.002	0.5	
Total Solids suspended	18.5	Calcium	-	COO	-		
Total Hardness(CaCO ₃)	191	Magnesium	-			0.5	
Permanent Hardness	95	Turbidity	0.5				

Draughts Man

J.E.

A.E.

E.E.