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CONST. DIVISION (E/M), U. P. JAL NIGAM, GHAZIABAD

Completion Plan of Tw. No. at PILAKHUWA DISTRICT GHAZIABAD

Type of Rig m/c. R.C. 600/27 Size of Bore 675/600 mm S.W L. Mts.

Agency DE.P.T.T. R.C. RIG

Depth B.G.L. Meter	Boring Chart	Stratum	Lowered Assembly	ASSEMBLY DETAILS
GL			GL	
4.60		STICKY CLAY		350 mm Dia Housing pipe 0.24 MAGL to 33.40M
6.70		HARD CLAY		350/200 m Dia Reducer 33.40 m to 33.55M
10.70		FINE SAND		200 m Dia Blind Pipe 33.55 m to 34.80M
		CLAY KANKAR	33.40	200 m Dia Slotted Pipe 34.80 m to 37.24M
28.95		MED. SAND STONE	33.40	200 m Dia Blind Pipe 37.24 m to 39.90M
37.90		HARD CLAY	33.40	200 m Dia Slotted Pipe 39.90 m to 57.63M
39.90		FINE TO MED. SAND	33.40	200 m Dia Blind Pipe 57.63 m to 67.50M
			17.73	200 m Dia Slotted Pipe 67.50 m to 76.21M
58.50		HARD CLAY	57.63	200 m Dia Blind Pipe 76.21 m to 82.47M
67.50		FINE TO MED. SAND	67.50 m Dia Pipe
76.80		HARD CLAY	76.21 m Dia Pipe
			82.47 m Dia Pipe
116.50				Total Assembly 82.71 m

ABSTRACT

- 1 Drilling Started on 14.4.2000.
 - 2 Drilling Completed on 22.4.2000.
 - 3 Assembly Lowered on 25.4.2000.
 - 4 Drilling Depth 116.50 m
 - 5 Assembly Lowered 82.71 m
- Housing Pipe 350 m m dia 33.64 m
 Blind Pipe 200 m m dia 20.04 m
 Slotted Pipe 200 m m dia 28.88 m

No. Be
 Tubewell constructed by SUB DIVISION
 GHAZIABAD UNDER YANTRIK SHAKHA
 MEERUT

As Executed

Representative (K.P. TYAGI) J. E. (S.P. SHARMA) SDO (GDD)

Countersigned

(M.K. SANGAL) Executive Engineer YANTRIK SHAKHA MEERUT

YIELD TEST REPORT

S.W.L. 11.50 mtr. Taste of Water Suspect V-notch/Orifice 8" X 6" Date of test 25.7.2000

V-notch Orifice Reading	Discharge in L.P.M.	R.W.L. in Mts.	Depression in Mts.	SAND CONTENTS IN PPM					
				Starting	5 Min	10 Min	15 Min	20 Min	30 Min
14"	2266	16.05	4.55	100	cl	cl	cl	cl	cl
18"	2542	16.50	5.00	200	cl	cl	cl	cl	cl
22"	2814	17.00	5.50	300	Tr	cl	cl	cl	cl
27"	3094	17.55	6.05	500	100	Tr	cl	cl	cl
35"	3476	18.00	6.50	800	200	50	Tr	Tr	cl

Recommended 33.0 L.P.M. emp discharge at 4.50 mts depression

Seen

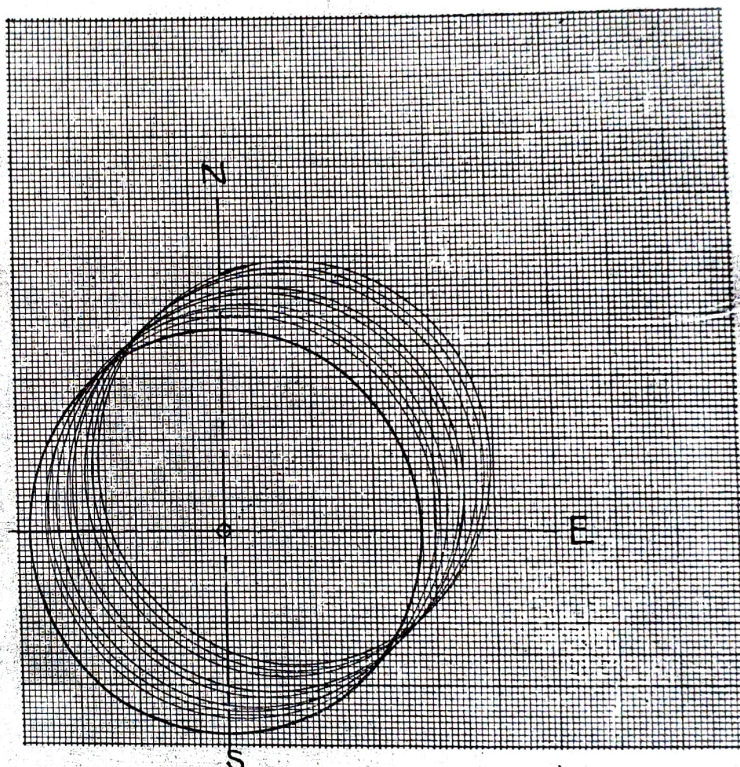
MW
EE

VERTICALITY TEST REPORT

TE 31 AE 31
DIA OF Disc 321 mm TOTAL HOUSING 33.64 mtr. DATE OF TEST 25.7.2000
DIA OF H.P. 331 mm
Height of Suspension 3 mtr.
clearance 7 mm

Circle diagram

DEPTH of Disc MBGL	Observed Deviation MM			C/S
	E	W	N	
3	—	—	—	—
6	2/13	—	2/13	—
9	2/15	—	3/19	—
12	3/22	—	3/22	—
15	4/31	—	4/31	—
18	4/35	—	4/35	—
21	5/47	—	4/39	—
24	5/52	—	5/52	—
27	5/57	—	5/57	—



CLEAR SPACE 284 mm At 18 mtr.
273 mm At 21 mtr.
261 mm At 24 mtr.

WATER TEST RESULTS

AGENCY SRI GANESH TEST HOUSE, GBD REF 17912 Dt 10.8.2000

Appearance..... <u>clear</u>	Chlorides (as Cl) mg/l..... <u>38.00</u>
Colour..... <u>—</u>	Total hardness (as CaCO ₃) mg/l <u>296.00</u> (Temp. <u>119</u> , Perm. <u>186.00</u>)
Odour..... <u>Odourless</u>	Iron (as Fe) mg/l..... <u>0.32</u>
Turbidity..... <u>—</u>	Calcium hardness..... <u>239.00</u>
Taste..... <u>—</u>	Magnesium hardness..... <u>66.00</u>
P.H. Value..... <u>7.80</u>	Remarks: <u>Water sample is suitable for drinking purpose.</u>
Total dissolved solids mg/l..... <u>438.00</u>	
Alkalinity due to <u>Methyl Orange</u> <u>320.00</u>	

Draught's man

J. E.

A. E.

SEEN

Executive Engineer