



YAMUNA POLLUTION CONTROL UNIT (Y.P.C.U.) JAL NIGAM, CHAZIABAD

Completion Plan of TW No. 26 at P.I.L.K.H.U.W.A. M.D.H.I.Y.A. LAKHPAT District - Ghaziabad
 Location Zone 4 NEAR M.L.A. K.O.I.H.E. BACK P.I.L.K.H.U.W.A.
 Scheme P.I.L.K.H.U.W.A. Water Supply Scheme, Under UIDS Programme

(82)

Depth MBGL	Boring Chart	Stratum	Lowered Assembly	ASSEMBLY DETAILS
				350 m.m. Dia Housing Pipe 60 magl to 29:59 mbgl"
0.04			60	350 x 200 Size Reducer 29:59 mbgl to 29:74 m"
4.6		CLAY		200 m.m. Dia Plan. Pipe 29:74 mbgl to 31:94 m"
				200 m.m. Dia Slotted Pipe 31:94 mbgl to 38:01 m"
7.6		SAND		200 m.m. Dia Plan. Pipe 38:01 mbgl to 41:21 m"
				200 m.m. Dia Slotted Pipe 41:21 mbgl to 62:44 m"
10.6		CLAY		200 m.m. Dia Plan. Pipe 62:44 mbgl to 74:62 m"
				200 m.m. Dia Slotted Pipe 74:62 mbgl to 77:67 m"
25.9		M. SAND		200 m.m. Dia Plan. Pipe 77:67 mbgl to 83:76 m"
28.9		CLAY		m.m. Dia Pipe mbgl to m"
				m.m. Dia Pipe mbgl to m"
38.10		M. SAND		m.m. Dia Pipe mbgl to m"
41.15		CLAY		Total Assembly 84:36 m
				ABSTRACT
				1. Drilling Started on 24-01-11
				2. Drilling Completed on 27-01-11
				3. Assembly Lowered on 28-01-11
				4. Total Drilling Depth 106 Mtr
				5. Total Assembly Lowered 84:36 Mtr
				6. Logging on
62.50		M. SAND		Housing Pipe 30:20 m.m. dia 30:20 Mtr
73.77		CLAY		Blind Pipe 200 m.m. dia 23:66 Mtr
77.74		M. SAND		Slotted Pipe 200 m.m. dia 30:35 Mtr
83.76		CLAY		7. Type of Rig Machine RC-600/27
				8. Bore size 675mm dia 4.5 mtr
99.5		CLAY		9. Bore size 600/550mm dia 6.1 mtr
106 M		CLAY KANKON		10. Static Water Level 12:15 mtr
				11. Contractor M/S. SHOBHA RAM PREMI MC
				12. C.B. No. 03/G.M./Y.P.C.U./110-11

As Executed

Countersigned

(Signature)
 Contractor
 (M/S SHOBHA RAM PREMI)

(Signature)
 (KHEM KARAN)
 A.P.E.

(Signature)
 (RAM GOPAL)
 P.E.

(Signature)
 (P.K. Garg)
 Project Manager

YIELD TEST REPORT BY C.P. UNIT

82

Date of Test 01-03-11
Sounding 83.40 Mtr.

S.W.L. 13.15 Mtr

Size of water Meter/V-Notch/Orifice 1.50 mtr
Taste of Water Sweet

Water Meter Reading (x10000 Litre)		Total Qty. of water (Litre)	Total Time		V-Notch/Orifice Reading	Discharge (L.P.M.)	RWL (Meter)	Depression (Meter)	Sand Content in PPM						Remarks
Opening	Closing		Min.	Sec				Start	5 Min	10 Min	15 Min	20 Min	25 Min	30 Min	Recommended discharge 22 cl/lum at 4.1 Mtr. Depression राइजिंग सेन में पम्पिंग से पाये पाप का नाई पास में 1.0. मिनट तक कतये।
-	-	-	-	-	264	2949	17.25	5.10	300	200	150	50	50	Tr	
-	-	-	-	-	242	2436	16.89	4.74	250	100	50	Tr	cl	cl	cl
-	-	-	-	-	235	2211	16.25	4.10	100	50	cl	cl	cl	cl	cl
-	-	-	-	-	212	1712	15.35	3.20	50	cl	cl	cl	cl	cl	cl

YIELD TEST REPORT BY AIR COMPRESSOR

Date of Test 03-02-2011
Sounding 83.50 Mtr.

S.W.L. 12.15 Mtr
Discharge measured by M. A. N. S.

Sl.	Depth of Air Line SGL in Meter	Discharge					Sand Content in PPM				Remarks
		Reading of V-Notch	LPM	Start	5 Min	10 Min	20 Min	30 Min	60 Min		
1.	4.1	218	1834	2000	1800	1400	1200	1000	700		
2.	7.4	222	1920	2200	2000	1800	1500	1000	700		

VERTICALITY TEST REPORT

DEPTH of Disc MBGL	Observed Deviation mm				Actual Deviation mm				Resultant Deviation (mm)
	E	W	N	S	E	W	N	S	
3.0	0	0	0	0	0	0	0	0	
6.0	0	3	0	0	0	15	0	0	
9.0	0	3	0	0	0	19	0	0	
12.0	0	4	0	0	0	26	0	0	
15.0	0	4	0	0	0	30	0	0	
18.0	0	5	0	0	0	41	0	0	
21.0	0	5	0	0	0	46	0	0	
24.0	0	6	0	0	0	60	0	0	
27.0	0	8	0	0	0	81	0	0	
30.0	0	8	0	0	0	94	0	0	

Date of test 01-03-11
Total Housing pipe 30.19 Mtr.
I.D. of H.P. 7.10 mm
Dia of Disc 29.0 mm
Suspension Height 3.0 Mtr.
Clear Space at 21 Mtr. mm
24 Mtr. mm
27 Mtr. mm

WATER ANALYSIS REPORT

AGENCY : Water Testing Lab, U.P. Jal Nigam, Ghaziabad REF :-

Parameter	Test Result	Acceptable Limit	Cause of Rejection	Parameter	Test Result	Acceptable Limit	Cause of Rejection
Taste	Unobjest	Un Objectionable	Un Objectionable	Fluorides (as F)	3	1.00	
Colour	Trans parent	5	25	Nitrates (as NO ₃)	4	45.00	45.00
Odour	P.C.S	Un Objectionable	Un Objectionable	Calcium (as Ca)	61	75.00	
Turbidity	1.5 N.T.U.	1.00	10.00	Magnesium (as Mg)	4.9	< 30	
PH	8.2	7.00-8.50	6.50 to 9.20	Iron (as Fe)	0.9	0.10	1.00
T.D.S	550 Mg/l	500	2000	Residual Chlorine	-	0.20	0.40
Total Hardness (as CaCO ₃)	472 Mg/l	700.00	400.00	Nitrite (No ₂)	-	< 30.00	150
Chlorides (as Cl)	5.2 Mg/l	200.00	1000.00	Alkalinity	-	200.00	600
Sulphates (as SO ₄)	58 Mg/l	200.00	400.00	Remark	water is suitable		

[Signature]
A.P.E.

[Signature]
P.E.

[Signature]
P.K. Gang
Project Manager (Y)