



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

Completion Plan of TW No. 05... at P.I.L.KHWA ZONE 4  
 Location P.I.L.KHWA, RAMPURA ROAD NEAR TALAB  
 Scheme Water Supply Scheme, Under UIDST Programme

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 District - Ghaziabad

Depth MBGL	Boring Chart	Stratum	Lowered Assembly	ASSEMBLY DETAILS
0.0 M			0.6 M	350 m.m. Dia Housing Pipe ... 60 m.m. to 29.60 mbgl"
4.5		CLAY		350 X 200 Size Reducer 29.60 mbgl to 29.75 m"
19.8		M. SAND		200 m.m. Dia 29.75 Pipe 31.25 mbgl to 31.25 m"
22.8		CLAY / GRANK		200 m.m. Dia 31.25 Pipe 31.25 mbgl to 34.21 m"
				200 m.m. Dia Plan Pipe 34.21 mbgl to 38.11 m"
				200 m.m. Dia 31.25 Pipe 38.11 mbgl to 44.19 m"
				200 m.m. Dia Plan Pipe 44.19 mbgl to 47.21 m"
				200 m.m. Dia 31.25 Pipe 47.21 mbgl to 59.39 m"
				200 m.m. Dia Plan Pipe 59.39 mbgl to 71.58 m"
28.96			28.96	200 m.m. Dia 31.25 Pipe 71.58 mbgl to 77.68 m"
				200 m.m. Dia Plan Pipe 77.68 mbgl to 82.89 m"
31.25		CLAY	31.25	m.m. Dia Pipe mbgl to m"
34.21		M. SAND	34.21	Total Assembly 22.89 m
38.11		CLAY / GRANK	38.11	<b>ABSTRACT</b> 22.88
				1. Drilling Started on 02-1-11
				2. Drilling Completed on 04-1-11
				3. Assembly Lowered on 06-01-11
44.19		M. SAND	44.19	4. Total Drilling Depth 10.7 Mtr
47.21		CLAY	47.21	5. Total Assembly Lowered 22.89 Mtr
				6. Logging on
				Housing Pipe 350 m.m. dia 30.19 Mtr
				Blind Pipe 200 m.m. dia 25.21 Mtr
				Slotted Pipe 200 m.m. dia 27.33 Mtr
59.39		M. SAND	59.39	7. Type of Rig Machine RC-600/27
71.58		CLAY	71.58	8. Bore size 675mm dia 4.5 Mtr
77.68		M. SAND	77.68	9. Bore size 600/550mm dia 6.2 Mtr
82.89		CLAY	82.89	10. Static Water Level 11.10 Mtr
				11. Contractor M/S. SH. BHA. RAM. PREM. MEERUT
10.7 M		CLAY	10.7 M	12. C.B. No. 03/G.M. 14 P.C.U./10-11

As Executed

Countersigned

*(Signature)*  
 Contractor  
 (M/S SH. BHA. RAM. PREM.)

*(Signature)*  
 (Khem Narain)  
 A.P.E.

*(Signature)*  
 (RAM GOPAL)  
 P.E.

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

**YIELD TEST REPORT BY O.P. UNIT**

Date of Test... 22-02-11  
Sounding ..... 22:10 Mtr.

S.W.L..... 11:10 Mtr

Size of water Meter/V-Notch/Orifice ..... 1.5cm  
Taste of Water ..... Sweet

Water Meter Reading (x10000 Litre)		Total Qty. of water	Total Time		V-Notch/Orifice Reading	Discharge	RWL	Depression	Sand Content in PPM						Remarks
Opening	Closing	(Litre)	Min.	Sec	MM	(L.P.M.)	(Meter)	(Meter)	Start	5 Min	10 Min	15 Min	20 Min	25 Min	
-	-	-	-	-	254	2681	15.90	4.8	250	200	150	50	50	Tr	Tr
-	-	-	-	-	249	2553	15.30	4.2	200	100	50	Tr	cl	cl	cl
-	-	-	-	-	240	2339	14.60	3.50	100	50	cl	cl	cl	cl	cl
-	-	-	-	-	227	2028	14.10	3.0	50	Tr	cl	cl	cl	cl	cl

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Recommended discharge 22.50 at 11:10 Mtr. Depression 4.8 मी. से अधिक होने पर पम्पिंग से पूर्व पम्प को बंद करके 10 मिनट तक कांटा

**YIELD TEST REPORT BY AIR COMPRESSOR**

Date of Test... 22-02-11  
Sounding ..... 22:35 Mtr.

S.W.L..... 11:10 Mtr  
Discharge measured by... 1.5cm

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	38	212	1712	2050	1600	1000	600	400	150	
L	47	225	1985	2200	1800	1400	700	500	250	

**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	-	2	-	-	-	10	-	-	
6.0	-	3	-	-	-	15	-	-	
9.0	-	3	-	-	-	18	-	-	
12.0	-	2	-	-	-	16	-	-	
15.0	-	1	-	-	-	12	-	-	
18.0	-	4	-	-	-	34	-	-	
21.0	-	5	-	-	-	46	-	-	
24.0	-	4	-	-	-	42	-	-	
27.0	-	4	-	-	-	46	-	-	
30.0	-	-	-	-	-	-	-	-	

Date of test... 22-02-11  
Total Housing pipe... 30.20 Mtr.  
I.D. of H.P... 11.7 mm  
Dia of Disc... 2.70 mm  
Suspension Height... 2.5 Mtr.  
Clear Space at 21 Mtr... 24 Mtr. mm  
27 Mtr... 27 Mtr. mm

**WATER ANALYSIS REPORT**

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

REF :- 349/1/Tanking/12/1/dat 23-2-11/16/1/1/1

Parameter	Test Result	Acceptable Limit	Cause of Rejection	Parameter	Test Result	Acceptable Limit	Cause of Rejection
Taste	Transparent & No. defect	Un Objectionable	Un Objectionable	Fluorides (as F)	3.00 Mg/l	1.00	1.5
Colour	0	5	25	Nitrates (as NO <sub>3</sub> )	4.00 Mg/l	45.00	45.00
Odour	P.C.S	Un Objectionable	Un Objectionable	Calcium (as Ca)	59.2 Mg/l	75.00	-
Turbidity	2 N.T.U.	1.00	10.00	Magnesium (as Mg)	22.2 Mg/l	5.00	-
PH	7.5	7.00-8.50	6.50 to 9.20	Iron (as Fe)	0.9 Mg/l	0.10	1.00
T.D.S.	448 Mg/l	500	2000	Residual Chlorine	- Mg/l	0.20	0.40
Total Hardness (as CaCO <sub>3</sub> )	240 Mg/l	200.00	600.00	Nitrite (No.)	- Mg/l	1.00	1.50
Chlorides (as Cl)	34 Mg/l	200.00	1000.00	Alkalinity	- Mg/l	200.00	500
Sulphates (as SO <sub>4</sub> )	3.2 Mg/l	200.00	600.00				

Remark... water is Potable & CS

*A.P.E.*  
A.P.E.

*P.E.*  
P.E.

*P.K. Garg*  
P.K. Garg  
Project Manager (Y)