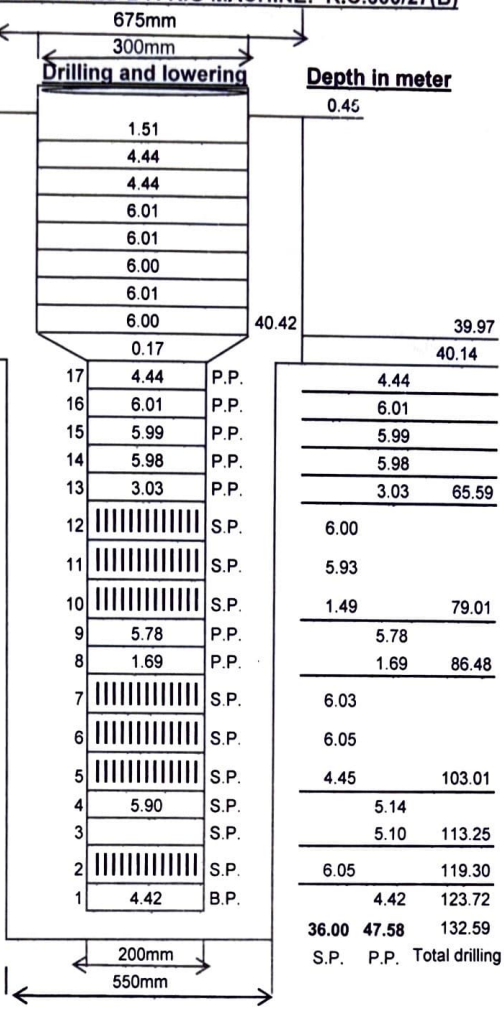


OFFICE OF THE EXECUTIVE ENGINEER, CONST. DIVISION (E/M), U.P. JAL NIGAM, BAREILLY.
COMPLITION PLAN Usawan T.W. SIZE 300MMX200MM DIST. BADAUN UNDER : Urban Water Supply Scheme
AGENCY: DEPARTMENTAL CONSTRUCTED BY: RIG MACHINE: R.C.600/27(B)

T.W. ②

S.No.	in feet	in meter	STRATA
1	0	0.00	0.91 Surface clay
2	3	0.91	9.14 clay
3	30	45	9.14 13.72 Fine sand
4	45	68	13.72 20.73 Fine sand and kankar
5	68	83	20.73 25.30 Clay
6	83	98	25.30 29.87 Fine Sand
7	98	207	29.87 63.09 Clay and Kankar
8	207	262	63.09 79.86 Fine Sand
9	262	276	79.86 84.12 clay
10	276	282	84.12 85.95 Clay with Fine Sand
11	282	302	85.95 92.05 Fine Sand
12	302	306	92.05 93.27 Fine Sand and Sand Stone
13	306	340	93.27 103.63 Fine and Medium Sand
14	340	370	103.63 112.78 Clay
15	370	415	112.78 126.49 Fine and Medium Sand
16	415	435	126.49 132.59 Clay
17	435	132.59	Total Drilling depth



1	size of bore 675mm upto	48.78	m
2	size of bore 550mm	83.81	m
3	Drilling depth	132.59	m
4	Housing pipe 300MM	40.42	m
5	Slotted pipe 200MM	36.00	m
6	Plain pipe 200MM	47.58	m
7	Reducer 300MMX200MM	0.17	m
8	Total assembly lower	124.17	m
9	AGL	0.45	m
10	BGL	123.72	m
11	Date of drilling start	03.01.2014	
12	Date of drilling complete	11.01.2014	
13	Date of lowering complete	12.01.2014	

YIELD TEST OF TW BY 250 PSI COMPRESSOR

Date of Test	13-03-2014	S.W.L.	10.96	Mt	DEVELOPMENT HOURS	5.95	P.Gravil consume :	9.96	M ³		
Sl. No.	Starting pressure in Kg/Cm ²	Running pressure in Kg/Cm ²	Depression in meter	Discharge by V notch in		SAND CONTANTS IN P.P.M					Remark
				Inch	L.P.M.	Starting min.	5 min	10 min	15 min	20 min	
1	11.50	11.00	5.00	9.00	2033	6500	5000	4000	3500	1500	

YIELD TEST OF TW BY 2 CUSEC O.P. UNIT

Static W/L	10.96	m	Taste of water:	Sweet	Date of Test	31.05.2014							
Sounding of T.W. before development		122.90	m	Sounding of T.W. after development		122.10	m						
S. No.	Discharge in inch	in L.P.M	SWL in Mts.	RWL in Mts.	Depression in Mts.	SAND CONTANTS IN P.P.M.						Recommendation	
						Starting Min.	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.		30 Min.
1	9.5	2385	10.96	14.46	3.50	300	100	50	Tr	Cl	Cl	Cl	Recommended discharge 1536 LPM at 2.80 Mtr. Depression. The pump is required to run for first 10 minute in the bypass before injecting in rising main pipe line.
2	9	2033	10.96	14.16	3.20	200	50	Tr	Tr	Cl	Cl	Cl	
3	8.5	1814	10.96	13.96	3.00	50	Tr	Cl	Cl	Cl	Cl	Cl	
4	8	1536	10.96	13.76	2.80	Tr	Cl	Cl	Cl	Cl	Cl	Cl	

Checked BY: Computer
 Lowered By: (A.K. Samir) J.E.
 Developed By Comp. & O.P. Unit: (Rakesh Maurya) (Yogesh Kumar) J.E.
 (Shehroz Dost) A.E.
 (P.C. Gupta) Executive Engineer