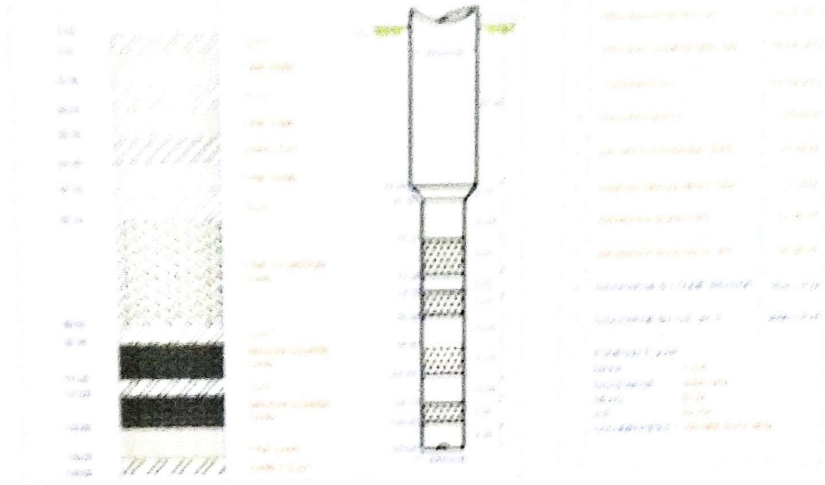
OFFICE OF THE EX
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT

COMPLETION PLAN OF TUBEWELL

(YEAR 2013-14)



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 23/6/2013 STATIC WL - 26.82 M TASTE OF WATER - SWEET

Discharge (Lps)	Discharge (GPM)	Drawdown	Time (5 min)	Time (10 min)	Time (15 min)	Time (30 min)	Time (60 min)	Remarks
8.5"	2368	750	400	200	100	Tr	CL	
8.5"	1834	600	300	100	50	Tr	CL	

YIELD TEST OF T/W BY O.P UNIT

(As per IS : 2800)

DATE OF TEST - 01.11.2013 STATIC WL - 26.82M TASTE OF WATER - SWEET

Casing Pipe Weight in kg/m	Discharge in LPS	SWL in Mtrs	PWL in Mtrs	Drawdown in Mtrs	Duration	Time (5 min)	Time (10 min)	Time (15 min)	Time (30 min)	Time (60 min)	Remarks
10	1000	26.82	34.82	8.00	1 hr	CL	CL	CL	CL	CL	Recommended discharge 1000 LPS at 8 meter drawdown
10	1000	26.82	34.82	8.00	1 hr	CL	CL	CL	CL	CL	Pump should not be operated beyond recommended discharge and drawdown
10	1000	26.82	34.82	8.00	1 hr	CL	CL	CL	CL	CL	
10	1000	26.82	34.82	8.00	1 hr	CL	CL	CL	CL	CL	
10	1000	26.82	34.82	8.00	1 hr	CL	CL	CL	CL	CL	

CHEMICAL TEST REPORT

(As per IS : 10500)

S. No.	Substance (if any) Characteristic	Limit Desirable	Limit Max.	Method of Test
1	Essential (Desirable)	6	45	
2	Turbidity (NTU)	6	10	
3	pH value	6.5 to 8.5	To relax	
4	Total Hardness as (CaCO3) mg/l	300	600	EDTA
5	Iron as (Fe) mg/l	0.3	1.00	AAS
6	Chlorides as (Cl) mg/l	250	1000	Titration
7	Residual free Chlorine mg/l	0.2		
8	Dissolved Solids (DS) mg/l	1.0	1.5	

S. No.	Substance (if any) Characteristic	Limit Desirable	Limit Max.	Method of Test
9	Fluoride value mg/l	0.6	1.2	
10	Calcium value as mg/l	75	200	
11	Magnesium as (Mg) mg/l	30	100	
12	Copper as (Cu) mg/l	0.05	1.5	
13	Sulphates as (SO4) mg/l	200	400	
14	Nitrate value mg/l	45	100	
15	Alkalinity mg/l	200	600	200

Note : All measurements are in mg/lit.