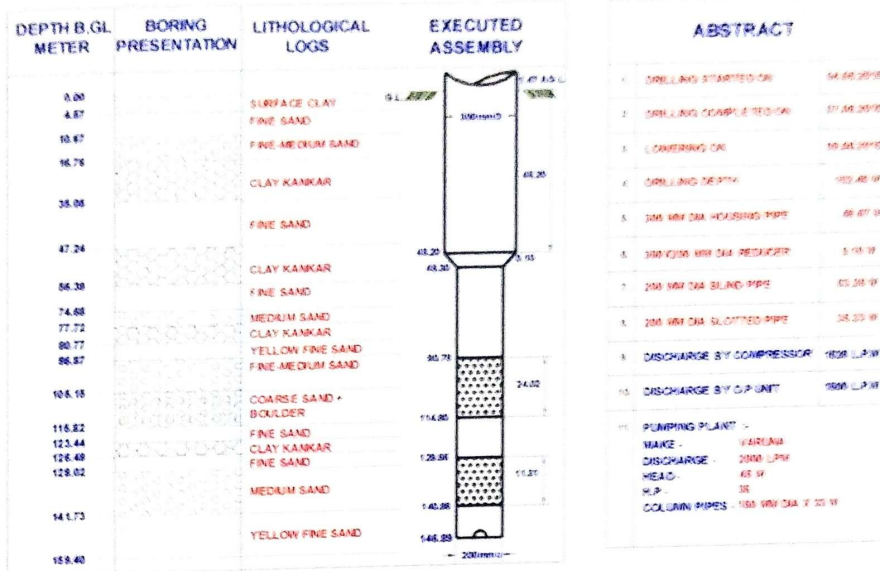




**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT
COMPLETION PLAN OF TUBEWELL
(YEAR - 2014-2015)**

NAME OF SCHEME - PURBALIAN W/S SCHEME DISTT. MUZAFFARNAGAR
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 2 NOS.
LOCATION OF TUBE WELL - BND NEAR MANDOR.
NAME OF CONTRACTOR - M/S SHOBHA RAM PREMI

SPRING WATER LEVEL IN METERS - 15.25 W/
SIZE OF BORE - 875 X 560 MM
DATE OF COMPLETION OF THE - 05.07.2015



YIELD TEST OF TW BY COMPRESSOR

DATE OF TEST - 23.06.2015 STATIC W/L - 15.25 M TASTE OF WATER - SWEET

Height Of Water	Discharge In Lpm	SAND CONTENTS IN PPM						REMARKS
		After starting	After 5 min	After 10 min	After 15 min	After 30 min	After 60min	
08"	1526	800	250	50	Tr.	CL.	CL.	

YIELD TEST OF TW BY O.P UNIT

DATE OF TEST - 10.07.2015 STATIC W/L - 15.30 M TASTE OF WATER - SWEET

ORIFICE TUBE HEIGHT IN INCH	DISCHARGE IN LPM	SWL IN Mts	RWL IN Mts	DEPRESSION IN L.P.M	STARTING	SAND CONTENTS IN PPM					RECOMMENDATIONS
						After 5 MIN	After 10 MIN	After 15 MIN	After 20 MIN	After 30 MIN	
11"	1558	15.30	18.10	2.80	Tr.	CL	CL	CL	CL	CL	Recommended discharge 1800 L.P.M at 2.80 m depression.
15"	1816	15.30	18.20	2.90	50	CL	Tr	CL	CL	CL	Pump should be run in bypass for 5 minutes before supply of water in rising main.
25"	2300	15.30	18.30	3.00	150	100	Tr	CL	CL	CL	
30"	2526	15.30	18.45	3.15	300	100	Tr	Tr	CL	CL	
40"	2963	15.30	18.70	3.40	350	200	Tr	CL	CL	CL	

CHEMICAL TEST REPORT

DATE OF TEST - 10.07.2015 AGENCY - EE 1st DIV U.P. Jal Nigam Mrt.

S. NO	SUBSTANCE OR CHARACTERISTIC	LIMIT			S. NO	SUBSTANCE OR CHARACTERISTIC	LIMIT		
		DESIRABLE	MAX.	ACTUAL			DESIRABLE	MAX.	ACTUAL
1	Colour, Hazen Unit	5	25	---	9	Dissolved solids mg/L	500	2000	299
2	Turbidity NTU	5	10	---	10	Calcium as (Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.68	11	Magnesium as (Mn) mg/L	30	100	---
4	Total Hardness as (CaCO ₃) mg/L	300	600	140	12	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe) mg/L	0.3	1.00	0.029	13	Sulphate as (SO ₄) mg/L	200	400	24.96
6	Chlorides as (Cl) mg/L	250	1000	13	14	Nitrate as (NO ₃) mg/L	45	100	3.96
7	Residual Free Chlorine mg/L	0.2	---	---	15	Alkalinity mg/L	200	600	260
8	Fluoride as (F) mg/L	1.0	1.5	0.102					