



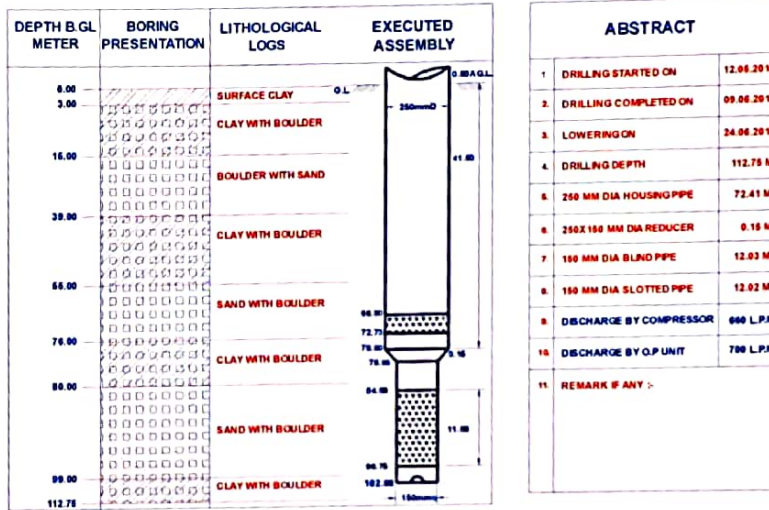
**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT**

COMPLETION PLAN OF TUBEWELL

(YEAR - 2014-2015)

NAME OF SCHEME - BAOSHABIBAGH REORG. W/S SCHEME DISTT. SAHARANPUR.
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 3 NOS.
LOCATION OF TUBE WELL - TW NO 1 FATEHPUR TANDA
NAME OF CONTRACTOR - M/S A. S. L. ENTERPRISES MEERUT.

SPRING WATER LEVEL IN. MTRS - 41.00 M
SIZE OF BORE - 600 X 550 MM.
DATE OF COMPLETION OF TW - 27.07.2015



YIELD TEST OF TW BY COMPRESSOR

DATE OF TEST - 08.06.2015 STATIC W/L - 9.14 M TASTE OF WATER . SWEET

DISCHARGE BY V-NOTCH		SAND CONTENTS IN PPM						REMARKS
Height Of Water	Discharge In Lpm	starting	After 5 min	After 10 min	After 15 min	After 30 min	After 60min	
06"	670	940	570	230	160	150	Tr.	

YIELD TEST OF TW BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 23.06.2015 STATIC W/L - 09.10 M TASTE OF WATER - SWEET

ORIFIE TUBE HEIGHT IN INCH.	DISCHARGE IN L.P.M	SWL IN Mts.	RWL IN Mts.	DEPRESSION IN L.P.M	STARTING	SAND CONTENTS IN P.P.M					RECOMMENDATIONS.
						After 5 min	After 10 min	After 15 min	After 20 min	After 30 min	
09"	720	09.10	10.30	1.20	Tr.	Tr.	CL	CL	CL	CL	Recommended discharge 900LPM at 1.50Mt. depression. Pump should be run in bypass for 6 minutes before supply of water in rising man.
12"	835	09.10	10.60	1.50	20	Tr.	CL	CL	CL	CL	
18"	1016	09.10	10.85	1.75	30	10	Tr.	Tr.	CL	CL	
25"	1205	09.10	11.05	1.95	45	30	15	Tr.	CL	CL	
35"	1422	09.10	11.35	2.25	55	40	10	Tr.	CL	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 04.09.2015

AGENCY - EE Ist Div U.P. Jal Nigam Mtr.

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	276
2	Turbidity,NTU	5	10	---	10	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5		No Relaxation 7.55	11	Magnesium* as (Mn) mg/L	30	100	---
4	Total Hardness as (cacO ₃) mg/L	300	600	150	12	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe),mg/ L	0.3	1.00	0.025	13	Sulphate as (SO ₄) mg/L	200	400	49.34
6	Chlorides as (Cl),mg/L	250	1000	20	14	Nitrate as(NO ₃) mg/L	45	100	3.98
7	Residual Free Chlorine mg/L	0.2	---	---	15	Alkalinity,mg/L	200	600	220
8	Fluoride as (F),mg/L	1.0	1.5	0.138					

Note - All dimensions are in metres.