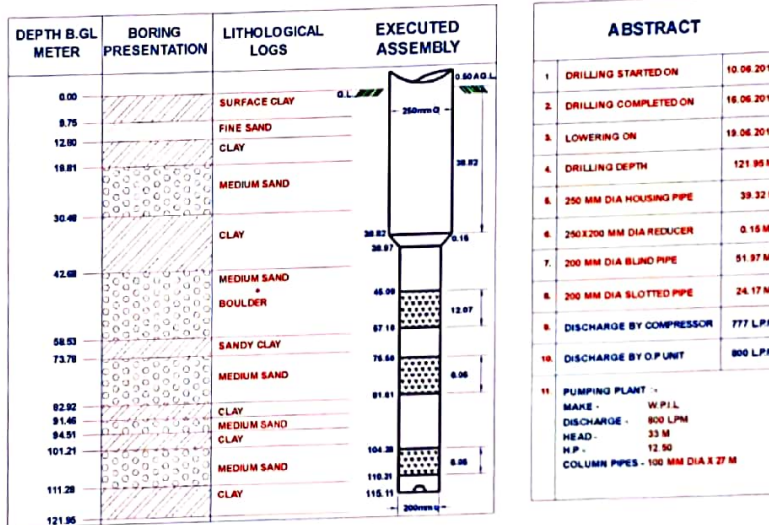




**OFFICE OF THE EXECUTIVE ENGINEER  
JAL NIGAM YANTRIK KHAND  
U.P. JAL NIGAM MEERUT  
COMPLETION PLAN OF TUBEWELL  
(YEAR - 2014-2015)**

NAME OF SCHEME - MUGALMAZRA W/S SCHEME DISTT. SAHARANPUR.  
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO.  
LOCATION OF TUBE WELL - NEAR OHT.  
NAME OF CONTRACTOR - M/S A S L ENTERPRISES MEERUT.

SPRING WATER LEVEL IN. MTRS - 11.45 M  
SIZE OF BORE - 675 X 550 MM.  
DATE OF COMPLETION OF TW- 22.08.2015



ABSTRACT	
1	DRILLING STARTED ON 10.06.2015
2	DRILLING COMPLETED ON 18.06.2015
3	LOWERING ON 19.06.2015
4	DRILLING DEPTH 121.95 M
5	250 MM DIA HOUSING PIPE 39.32 M
6	250X200 MM DIA REDUCER 0.15 M
7	200 MM DIA BLIND PIPE 51.97 M
8	200 MM DIA SLOTTED PIPE 24.17 M
9	DISCHARGE BY COMPRESSOR 777 LPM
10	DISCHARGE BY O.P UNIT 800 LPM
11	PUMPING PLANT - MAKE - W.P.L. DISCHARGE - 800 LPM HEAD - 33 M H.P. - 12.50 COLUMN PIPES - 100 MM DIA X 27 M

**YIELD TEST OF T/W BY COMPRESSOR**

DATE OF TEST - 01.08.2015      STATIC W/L - 11.30 M      TASTE OF WATER . SWEET

DISCHARGE BY VNOTCH	SAND CONTENTS IN PPM	REMARKS					
			Height Of Water	Discharge In Lpm	starting	After 5 min	After 10 min
06"	777	200 100 50 Tr. Tr. Tr.					

**YIELD TEST OF T/W BY O.P UNIT**

(As Per IS - 2800)

DATE OF TEST - 22.08.2015      STATIC W/L - 08.50 M      TASTE OF WATER - SWEET

ORIFIE TUBE HEIGHT IN INCH.	DISCHARGE IN LPM	SWL IN Mts.	RWL IN Mts.	DEPRESSION IN L.P.M	STARTING	SAND CONTENTS IN P.P.M					RECOMMENDATIONS.
						After 5 MN	After 10 MN	After 15 MN	After 20 MN	After 30 MN	
09"	720	08.50	11.24	2.74	10	Tr	CL	CL	CL	CL	Recommended discharge 800LPM at 2.80M. depression. Pump should be run in bypass for 5 minutes before supply of water in rising man.
12"	835	08.50	11.35	2.85	20	Tr.	CL	CL	CL	CL	
18"	1016	08.50	11.50	3.00	25	20	Tr	Tr	CL	CL	
25"	1205	08.50	11.70	3.20	34	25	15	Tr	CL	CL	
35"	1422	08.50	11.94	3.44	45	35	18	Tr	CL	CL	

**CHEMICAL TEST REPORT**

(As Per IS - 10500)

DATE OF TEST - 04.09.2016      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	187
2	Turbidity,NTU	5	10	---	10	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	8.23	11	Magnesium* as (Mn), mg/L	30	100	---
4	Total Hardness as (CaCO <sub>3</sub> ) mg/L	300	600	80	12	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe),mg/L	0.3	1.00	0.124	13	Sulphate as (SO <sub>4</sub> ) mg/L	200	400	27.84
6	Chlondes as (Cl),mg/L	250	1000	12	14	Nitrate as(NO <sub>3</sub> ) mg/L	45	100	10.63
7	Residual Free Chlorine,mg/L	0.2	---	---	15	Alkalinity,mg/L	200	600	190
8	Fluoride as (F),mg/L	1.0	1.5	0.131					

Note :- All dimensions are in metres.

J.E

A.E

E.E