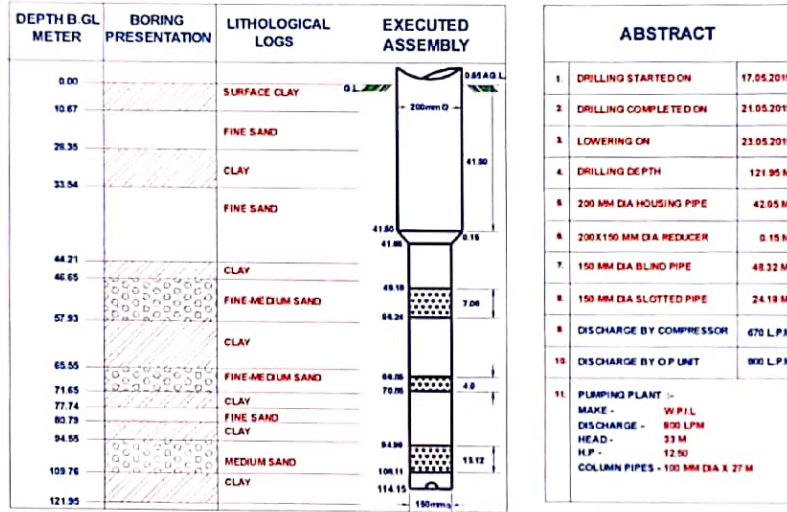




**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT
COMPLETION PLAN OF TUBEWELL**

(YEAR - 2014-2015)

NAME OF SCHEME - TIGRI RAMGARH W/S SCHEME DISTT. SAHARANPUR. SPRING WATER LEVEL IN. MTRS - 9.20 M
 TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO. SIZE OF BORE - 600 X 450 MM.
 LOCATION OF TUBE WELL - NEAR OHT. DATE OF COMPLETION OF T.W. - 23.06.2015
 NAME OF CONTRACTOR - M/S A.S.L. ENTERPRISES MEERUT.



YIELD TEST OF T/W BY COMPRESSOR

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

Height Of Water	Discharge In Lpm	SAND CONTENTS IN PPM						REMARKS
		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 T/W BY O.P UNIT

(As Per IS - 2800)

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

ORIFICE 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 800LPM at 1.50M depression. Pump should be run in bypass for 5 minutes before supply of water in rising man.
12"	835	09.10	10.60	1.50	20	Tr	CL	CL	CL	CL	
18"	1015	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 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	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.

J.E

A.E

E.E

