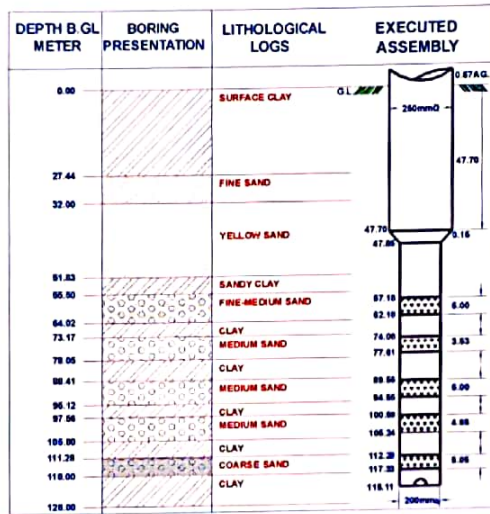




**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT
COMPLETION PLAN OF TUBEWELL
(YEAR - 2014-2015)**

NAME OF SCHEME - SIRASKA 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 - 17.20 M
SIZE OF BORE - 600 X 450 MM.
DATE OF COMPLETION OF T.W. - 22.06.2015



ABSTRACT		
1.	DRILLING STARTED ON	02.06.2015
2.	DRILLING COMPLETED ON	06.06.2015
3.	LOWERING ON	09.06.2015
4.	DRILLING DEPTH	126.00 M
5.	150 MM DIA HOUSING PIPE	48.37 M
6.	150 X 200 MM DIA REDUCER	0.16 M
7.	200 MM DIA BLIND PIPE	62.30 M
8.	200 MM DIA SLOTTED PIPE	23.23 M
9.	DISCHARGE BY COMPRESSOR	850 L.P.M
10.	DISCHARGE BY O.P UNIT	1000 L.P.M
11.	PUMPING PLANT :- MAKE - W.P.L. DISCHARGE - 1000 L.P.M HEAD - 48 M H.P. - 17.80 COLUMN PIPES - 150 MM DIA X 30 M	

YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 01.06.2015 STATIC W/L - 17.05 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
08"	850	950	610	240	190	180	Tr.	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 22.06.2015 STATIC W/L - 17.00 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.
						A/Rer 5 min	A/Rer 10 min	A/Rer 15 min	A/Rer 20 min	A/Rer 30 min	
14"	901	17.00	18.00	1.00	20	Tr.	CL	CL	CL	CL	Recommended discharge 1000 L.P.M at 1.05ML depression. Pump should be run in bypass for 5 minutes before supply of water in rising main.
18"	1015	17.00	18.05	1.05	30	Tr.	CL	CL	CL	CL	
22"	1178	17.00	18.12	1.12	40	35	Tr	Tr	CL	CL	
35"	1420	17.00	18.22	1.22	50	30	20	Tr	CL	CL	
40"	1515	17.00	18.30	1.30	60	50	30	Tr	CL	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 29.06.2015 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	229
2	Turbidity NTU	5	10	---	10.	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.44	11	Magnesium* as (Mn), mg/L	30	100	---
4	Total Hardness as (caco ₃) mg/L	300	600	90	12.	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe),mg/ L	0.3	1.00	0.023	13.	Sulphate as (SO ₄) mg/L	200	400	46.46
6	Chlorides as (Cl),mg/L	250	1000	10	14	Nitrate as(NO ₃) mg/L	45	100	4.43
7	Residual Free Chlorine,mg/L	0.2	---	---	15	Alkalinity,mg/L	200	600	200
8	Fluoride as (F) mg/L	1.0	1.5	0.134					

Note - All dimensions are in metres

J.E

A.E

E.E

