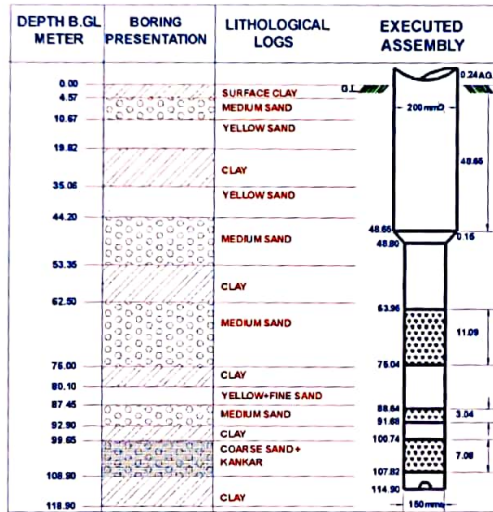




**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT
COMPLETION PLAN OF TUBEWELL**

(YEAR - 2014-2015)

NAME OF SCHEME - FATEH CHANDPUR W/S SCHEME DISTT. SAHARANPUR. SPRING WATER LEVEL IN. MTRS - 14.00 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 TW. - 15.11.2015
NAME OF CONTRACTOR - M/S A S L. ENTERPRISES MEERUT.



ABSTRACT	
1	DRILLING STARTED ON 06.10.2015
2	DRILLING COMPLETED ON 14.10.2015
3	LOWERING ON 18.10.2015
4	DRILLING DEPTH 118.90 M
5	200 MM DIA HOUSING PIPE 48.89 M
6	200X150 MM DIA REDUCER 0.15 M
7	150 MM DIA BLIND PIPE 44.89 M
8	150 MM DIA SLOTTED PIPE 21.21 M
9	DISCHARGE BY COMPRESSOR 610 L.P.M
10	DISCHARGE BY O.P UNIT 850 L.P.M
11	REMARK IF ANY -

YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 31.10.2015 STATIC W/L - 13.00 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
14"	610	750 250 100 50 Tr. CL.					

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 15.11.2015 STATIC W/L - 12.50 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	
06"	587	12.50	14.75	2.25	10	Tr	CL	CL	CL	CL	Recommended discharge 800LPM at 2.50Mt. depression. Pump should be run in bypass for 5 minutes before supply of water in rising man.
08"	680	12.50	14.80	2.30	20	Tr.	CL.	CL.	CL.	CL.	
12"	833	12.50	14.94	2.44	25	15	Tr	Tr	CL	CL	
16"	958	12.50	15.05	2.55	35	25	10	Tr.	CL	CL	
20"	1072	12.50	15.20	2.70	40	30	15	Tr	CL	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 20.11.2015 AGENCY - EE 1st 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	248
2	Turbidity,NTU	5	10	---	10.	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.48	11	Magnesium* as (Mn), mg/L	30	100	---
4	Total Hardness as (CaCO ₃) mg/L	300	600	100	12.	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe),mg/L	0.3	1.00	0.112	13	Sulphate as (SO ₄) mg/L	200	400	21.12
6	Chlorides as (Cl),mg/L	250	1000	12	14	Nitrate as(NO ₃) mg/L	45	100	4.87
7	Residual Free Chlorine,mg/L	0.2	---	---	15	Alkalinity,mg/L	200	600	240
8	Fluoride as (F),mg/L	1.0	1.5	0.140					

Note - All dimensions are in metres.

J.E

A.E

E.E

