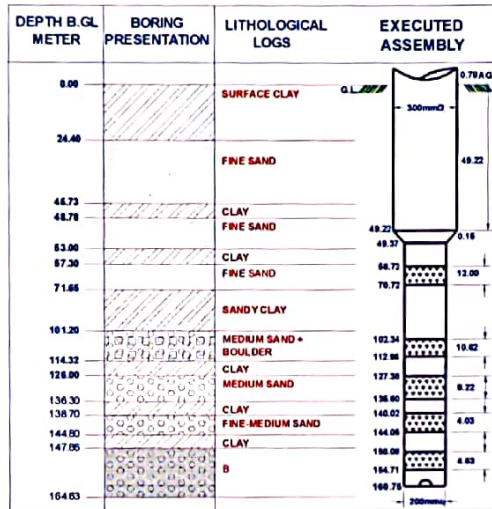




**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT
COMPLETION PLAN OF TUBEWELL
(YEAR - 2014-2015)**

NAME OF SCHEME - TALHERI BUZURG 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 - 11.50 M
SIZE OF BORE - 675 X 550 MM.
DATE OF COMPLETION OF T.W. - 10.06.2015



ABSTRACT		
1	DRILLING STARTED ON	04.04.2015
2	DRILLING COMPLETED ON	12.04.2015
3	LOWERING ON	15.04.2015
4	DRILLING DEPTH	164.63 M
5	300 MM DIA HOUSING PIPE	50.00 M
6	300X200 MM DIA REDUCER	0.15 M
7	200 MM DIA BLIND PIPE	71.88 M
8	200 MM DIA SLOTTED PIPE	39.50 M
9	DISCHARGE BY COMPRESSOR	1688 L.P.M
10	DISCHARGE BY O.P UNIT	2000 L.P.M
11	PUMPING PLANT - MAKE - W.P.L. DISCHARGE - 2000 LPM HEAD - 38 M H.P. - 30 COLUMN PIPES - 150 MM DIA X 27 M	

YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 21.05.2015 STATIC W/L - 11.35 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
08"	1580	1200 615 250 200 200 Tr.					

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 10.06.2015 STATIC W/L - 11.28 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 MN	After 10 MN	After 15 MN	After 20 MN	After 30 MN	
06"	1750	11.28	12.55	1.27	20	Tr	CL	CL	CL	CL	Recommended discharge 2000LPM at 1.52Mt. depression. Pump should be run in bypass for 5 minutes before supply of water in rising man.
12"	2044	11.28	12.80	1.52	35	Tr.	CL	CL	CL	CL	
18"	2498	11.28	13.20	1.92	100	50	20	Tr	CL	CL	
25"	2952	11.28	13.80	2.42	150	80	20	Tr	Tr	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 15.06.2015

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	155
2	Turbidity,NTU	5	10	—	10.	Calcium as(Ca) mg/L	75	200	—
3	PH value	6.5 to 8.5	No Relaxation	7.56	11	Magnesium* as (Mn), mg/L	30	100	—
4	Total Hardness as (caco ₃) 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	0.031	13.	Sulphate as (SO ₄) mg/L	200	400	07.29
6	Chlorides as (Cl),mg/L	250	1000	13	14	Nitrate as(NO ₃) mg/L	45	100	5.75
7	Residual Free Chlorine,mg/L	0.2	—	—	15	Alkalinity,mg/L	200	600	120
8	Fluoride as (F),mg/L	1.0	1.5	0.120					

Note - All dimensions are in metres

J.E

A.E

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