

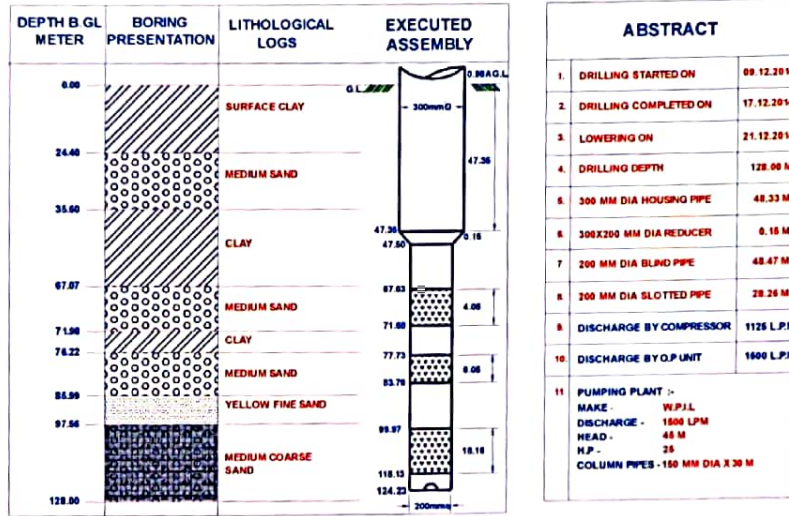


**OFFICE OF THE EXECUTIVE ENGINEER  
JAL NIGAM YANTRIK KHAND  
U.P. JAL NIGAM MEERUT  
COMPLETION PLAN OF TUBEWELL**

(YEAR - 2014-2015)

NAME OF SCHEME - MANKI WS SCHEME DISTT SAHARANPUR.  
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO.  
LOCATION OF TUBE WELL - NEAR IDGAH.  
NAME OF CONTRACTOR - M/S D.L.F. GANGA NAGRI, HARIDWAR.

SPRING WATER LEVEL IN. MTRS - 6.90 M  
SIZE OF BORE - 675 X 550 MM.  
DATE OF COMPLETION OF T.W. - 25.01.2015



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

DATE OF TEST - 15.01.2015      STATIC W/L - 6.90 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	
7"	1125	400	200	50	Tr.	Tr.	CL.

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

(As Per IS - 2800)

DATE OF TEST - 25.01.2015      STATIC W/L - 6.70 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 8 min	After 10 min	After 15 min	After 20 min	After 30 min	
07"	1552	6.70	7.60	0.90	Tr.	CL.	CL.	CL.	CL.	CL.	Recommended discharge 1600LPM at 0.30ML depression. Pump should be run in bypass for 5 minutes before supply of water in rising man.
12"	2044	6.70	7.70	1.00	Tr.	CL.	Tr.	CL.	CL.	CL.	
18"	2498	6.70	7.90	1.20	20	CL.	CL.	CL.	CL.	CL.	
25"	2952	6.70	9.45	2.75	70	10	Tr.	CL.	CL.	CL.	

**CHEMICAL TEST REPORT**

(As Per IS - 10500)

DATE OF TEST - 27.06.2011

AGENCY - EE Ist DV 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	231
2	Turbidity,NTU	5	10	---	10.	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.79	11	Magnesium* as (Mn), mg/L	30	100	---
4	Total Hardness as (cacO <sub>3</sub> ) mg/L	300	600	114	12.	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe),mg/L	0.3	1.00	0.144	13.	Sulphate as (SO <sub>4</sub> ) mg/L	200	400	4.41
6	Chlorides as (Cl),mg/L	250	1000	13	14.	Nitrate as(NO <sub>3</sub> ) mg/L	45	100	3.98
7	Residual Free Chlorine,mg/L	0.2	---	---	15.	Alkalinity,mg/L	200	600	210
8	Fluoride as (F),mg/L	1.0	1.5	0.144					

Note - All dimensions are in metres

J.E

A.E

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