

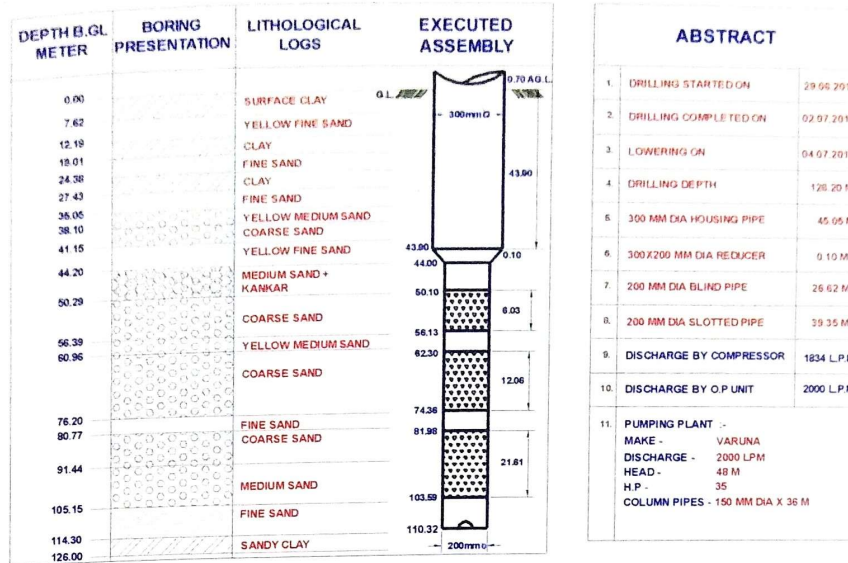


**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT**

**COMPLETION PLAN OF TUBEWELL
(YEAR - 2014-2015)**

NAME OF SCHEME - GOYLA W/S SCHEME DISTT. MUZAFFARNAGAR.
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO.
LOCATION OF TUBE WELL - NEAR SHAMSHAN GHAT.
NAME OF CONTRACTOR - M/S PIONEER DRILLING CO. PVT. LTD.

SPRING WATER LEVEL IN MTRS - 16.20 M
SIZE OF BORE - 675 X 550 MM
DATE OF COMPLETION OF T.W. - 16.08.2015



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 22.07.2015 STATIC W/L - 16.20 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	After 60min	
08.50"	1834	600	200	50	Tr.	CL.	CL.	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 10.08.2015 STATIC W/L - 16.20 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	
15"	1816	16.20	18.80	2.60	Tr.	CL.	CL.	CL.	CL.	CL.	Recommended discharge 2000LPM at 2.70M depression. Pump should be run in bypass for 5 minutes before supply of water in rising main.
19"	2027	16.20	18.90	2.70	50	CL.	CL.	CL.	CL.	CL.	
25"	2300	16.20	19.05	2.85	100	Tr.	CL.	CL.	CL.	CL.	
30"	2526	16.20	19.20	3.00	300	100	Tr.	CL.	CL.	CL.	
40"	2952	16.20	19.60	3.40	400	150	50	Tr.	CL.	CL.	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 10.08.2015

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	278
2.	Turbidity, NTU	5	10	---	10.	Calcium as (Ca) mg/L	75	200	---
3.	PH value	6.5 to 8.5	No Relaxation	7.60	11.	Magnesium* as (Mn), mg/L	30	100	---
4.	Total Hardness as (CaCO ₃) mg/L	300	600	140	12.	Copper as (Cu) mg/L	0.05	1.5	---
5.	Iron as (Fe), mg/L	0.3	1.00	0.029	13.	Sulphate as (SO ₄) mg/L	200	400	12.28
6.	Chlorides as (Cl), mg/L	250	1000	16	14.	Nitrate as (NO ₃) mg/L	45	100	8.41
7.	Residual Free Chlorine, mg/L	0.2	---	---	15.	Alkalinity, mg/L	200	600	270
8.	Fluoride as (F), mg/L	1.0	1.5	0.129					

Note :- All dimensions are in metres.

J.E

A.E

E.E