

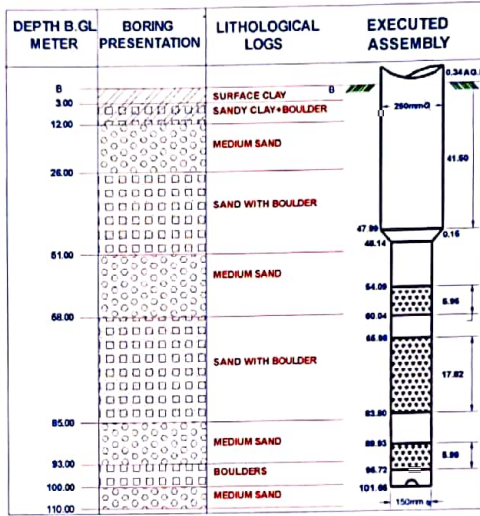


**OFFICE OF THE EXECUTIVE ENGINEER  
JAL NIGAM YANTRIK KHAND  
U.P. JAL NIGAM MEERUT**

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

NAME OF SCHEME - QASIMPUR REORG. W/S SCHEME PART-II DISTT. SAHARANPUR.  
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 4 NOS.  
LOCATION OF TUBE WELL - SADAULI BHOOD.  
NAME OF CONTRACTOR - M/S PIONEER DRILLING CO. PVT. LTD. GZB.

SPRING WATER LEVEL IN. MTRS - 12.00 M  
SIZE OF BORE - 600 X 450 MM.  
DATE OF COMPLETION OF T.W. - 08.02.2016



ABSTRACT		
1	DRILLING STARTED ON	02.12.2015
2	DRILLING COMPLETED ON	31.12.2015
3	LOWERING ON	08.01.2016
4	DRILLING DEPTH	110.00 M
5	250 MM DIA HOUSING PIPE	48.27 M
6	250 X 150 MM DIA REDUCER	0.15 M
7	150 MM DIA BLIND PIPE	24.08 M
8	150 MM DIA SLOTTED PIPE	30.16 M
9	DISCHARGE BY COMPRESSOR	650 L.P.M
10	DISCHARGE BY O.P UNIT	700 L.P.M
11	REMARK IF ANY ->	

**YIELD TEST OF TW BY COMPRESSOR**

DATE OF TEST - 19.01.2016      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
06"	650	250 150 100 Tr. CL. CL.					

**YIELD TEST OF TW BY O.P UNIT**

(As Per IS - 2800)

DATE OF TEST - 08.02.2016      STATIC W/L - 11.25 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 MIN	After 10 MIN	After 15 MIN	After 20 MIN	After 30 MIN	
07"	636	11.25	12.75	1.50	CL	CL	CL	CL	CL	CL	Recommended discharge 700LPM at 1.60MT. depression. Pump should be run in bypass for 5 minutes before supply of water in rising man.
09"	719	11.25	12.85	1.60	Tr.	CL	CL	CL	CL	CL	
18"	1016	11.25	13.10	1.85	Tr.	Tr.	CL	CL	CL	CL	
25"	1205	11.25	13.35	2.10	50	Tr.	CL	CL	CL	CL	
35"	1422	11.25	13.65	2.40	80	Tr.	Tr.	CL	CL	CL	

**CHEMICAL TEST REPORT**

(As Per IS - 10500)

DATE OF TEST - 18.02.2016      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	---
2	Turbidity,NTU	5	10	---	10.	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.54	11	Magnesium* as (Mn), mg/L	30	100	---
4	Total Hardness as (cacco) mg/L	300	600	229	12.	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe),mg/ L	0.3	1.00	0.201	13.	Sulphate as (SO <sub>4</sub> ) mg/L	200	400	17.66
6	Chlorides as (Cl),mg/L	250	1000	10	14	Nitrate as(NO <sub>3</sub> ) mg/L	45	100	32.33
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	0.098					

Note - All dimensions are in metres.

J.E

A.E

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