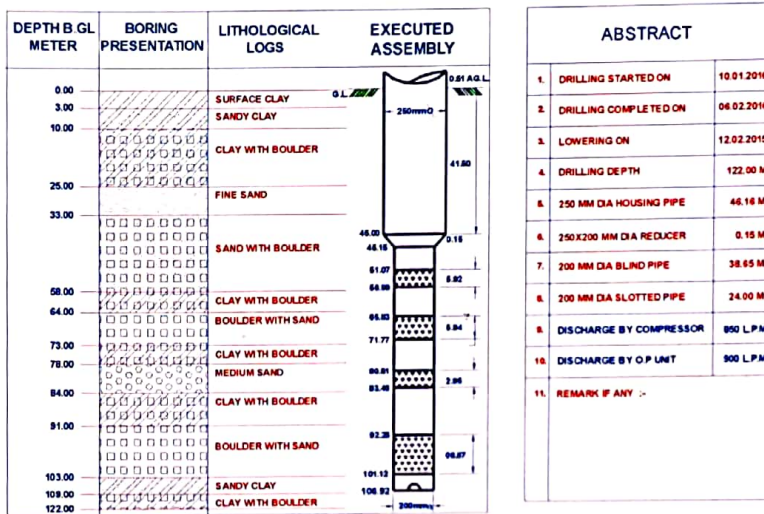




**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT
COMPLETION PLAN OF TUBEWELL**

(YEAR - 2014-2015)

NAME OF SCHEME - QASIMPURA REORG. W/S SCHEME PAT-II DISTT. SAHARANPUR SPRING WATER LEVEL IN. MTRS - 17.00 M
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 4 NOS. SIZE OF BORE - 600 X 550 MM.
LOCATION OF TUBE WELL - NO.4 ZONE-IX KASBAGARH. DATE OF COMPLETION OF T.W. - 28.03.2016
NAME OF CONTRACTOR - M/S PIONEER DRILLING CO. PVT. LTD. GZB.



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 24.02.2016 STATIC W/L - 16.55 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
08"	850	450	250	110	50	Tr.	CL.	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 28.03.2016 STATIC W/L - 16.45 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	
12"	835	16.45	17.55	1.10	10	Tr.	CL.	CL.	CL.	CL.	Recommended discharge 900LPM at 1.25M depression. Pump should be run in bypass for 5 minutes before supply of water in rising main.
14"	901	16.45	17.70	1.25	15	Tr.	CL.	CL.	CL.	CL.	
18"	1016	16.45	17.95	1.50	25	Tr.	CL.	CL.	CL.	CL.	
22"	1205	16.45	18.30	1.85	40	30	Tr.	CL.	CL.	CL.	
35"	1422	16.45	18.70	2.25	50	30	20	Tr.	CL.	CL.	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 04.09.2015 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	242
2.	Turbidity,NTU	5	10	---	10.	Calcium as(Ca) mg/L	75	200	---
3.	PH value	6.5 to 8.5	No Relaxation	7.37	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	0.192	13.	Sulphate as (SO ₄) mg/L	200	400	21.88
6.	Chlorides as (Cl),mg/L	250	1000	15	14.	Nitrate as(NO ₃) mg/L	45	100	31.89
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	0.099					

Note :- All dimensions are in metres.

J.E

A.E

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