



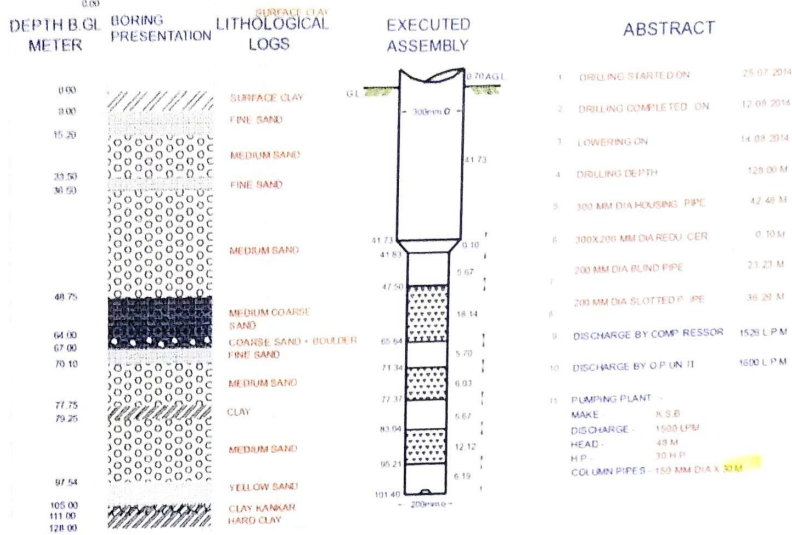
OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT

COMPLETION PLAN OF TUBEWELL

(YEAR - 2013-2014)

NAME OF SCHEME - SEEKRIW/S SCHEME MUZAFFARNAGAR
TOTAL NO OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO
LOCATION OF TUBE WELL -
NAME OF CONTRACTOR - M/S PIONEER DRILLING CO GZB

SPRING WATER LEVEL IN MTRS - 15.30 M
SIZE OF BORE - 675 X 550 MM
DATE OF COMPLETION OF T.W - 04.10.2014



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 26.09.2014 STATIC W/L - 15.30 M TASTE OF WATER - SWEET
DISCHARGE BY V NOTCH SAND CONTENTS IN PPM REMARKS

Height Of Water	Discharge in Lpm	After starting	After 5 min	After 10 min	After 15 min	After 30 min	After 60min
8.0"	1526	400	250	100	Tr.	CL.	CL.

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 04.10.2014 STATIC W/L - 15.30 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	
10"	1487	15.30	20.13	2.75	CL.	CL.	CL.	CL.	CL.	CL.	Recommended discharge 1500 ppm at 2.75M depression.
15"	1816	15.30	20.33	2.95	Tr.	CL.	CL.	CL.	CL.	CL.	Pump should be run in bypass for 5 minutes before supply of water in ring main.
20"	2029	15.30	20.58	3.20	100	Tr.	CL.	CL.	CL.	CL.	
30"	2526	15.30	20.73	3.35	150	50	Tr.	CL.	CL.	CL.	
40"	2953	15.30	20.83	3.45	200	100	Tr.	CL.	CL.	CL.	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 08.10.2014

AGENCY - EE 1st DIV U.P Jal Nigam Mt.

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	07.6	11.	Magnesium as (Mn), mg/L	30	100	
4. Total Hardness as (CaCO ₃) mg/L	300	600	170	12.	Copper as (Cu) mg/L	0.05	1.5	
5. Iron as (Fe), mg/L	0.3	1.00	0.1	13.	Sulphate as (SO ₄) mg/L	200	400	
6. Chlorides as (Cl), mg/L	250	1000	20	14.	Nitrate as (NO ₃) mg/L	45	100	
7. Residual Free Chlorine, mg/L	0.2			15.	Alkalinity, mg/L	200	600	226
8. Fluoride as (F), mg/L	1.0	1.5						

Note - All dimensions are in metres.

J.E

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