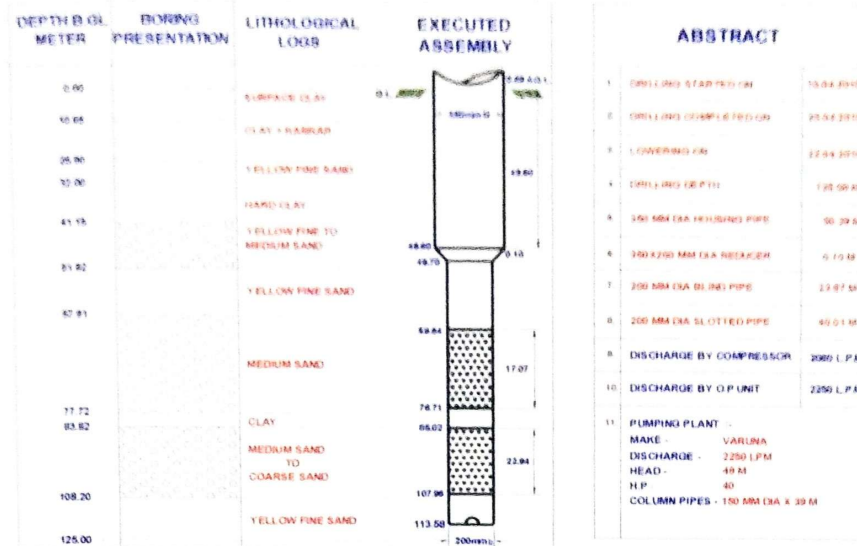




**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT
COMPLETION PLAN OF TUBEWELL
(YEAR - 2014-2015)**

NAME OF SCHEME - RALYANPUR WIS SCHEME DISTT. MIZAFFARNAGAR SUPPLIED WATER LEVEL IN METRES - 19.82 M
TOTAL NO. OF TUBEWELL PROVIDED IN THE SCHEME - 1 nos SIZE OF BOPPE - 675 X 650 MM
LOCATION OF TUBEWELL - 1 BT DATE OF COMPLETION OF T/W - 16.05.2015
NAME OF CONTRACTOR - M/S. BHOBHA RAM PRESH



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 16.05.2015 STATIC W/L - 19.82 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	
09"	2060	900	500	250	50	Tr.	CL.	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 10.06.2015 STATIC W/L - 19.82 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	
19"	2027	19.82	23.07	3.25	50	CL	CL	CL	CL	CL	Recommended discharge 2300 LPM at 3.40M depression. Pump should be run in bypass for 5 minutes before supply of water in rising main.
25"	2309	19.82	23.22	3.40	150	Tr.	Tr.	CL	CL	CL	
30"	2538	19.82	23.47	3.65	250	100	Tr.	CL	CL	CL	
40"	2953	19.82	23.77	3.95	350	150	50	Tr.	CL	CL	
50"	3298	19.82	24.07	4.25	450	200	100	Tr.	CL	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 19.06.2015 AGENCY - EE 1st DIV U.P. Jal Nigam Mrt.

S. NO	SUBSTANCE OR CHARACTERISTIC	LIMIT		ACTUAL	S. NO	SUBSTANCE OR CHARACTERISTIC	LIMIT		ACTUAL
		DESIRABLE	MAX.				DESIRABLE	MAX.	
1	Colour, Hazen, Unit	5	25		9	Dissolved solids mg/L	500	2000	334
2	Turbidity, NTU	5	10		10	Calcium as (Ca) mg/L	75	200	
3	PH value	6.5 to 8.5	No Relaxation	7.73	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	0.041	13	Sulphate as (SO ₄) mg/L	200	400	24.00
6	Chlorides as (Cl), mg/L	250	1000	20	14	Nitrate as (NO ₃) mg/L	45	100	9.74
7	Residual Free Chlorine, mg/L	0.2			15	Alkalinity, mg/L	200	600	236
8	Fluoride as (F), mg/L	1.0	1.5	0.114					

Note - All dimensions are in metres

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