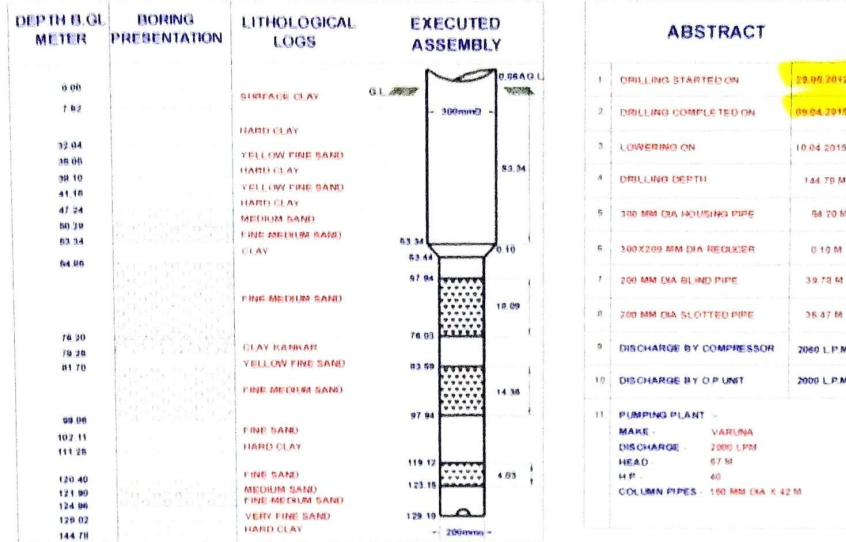




**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT
COMPLETION PLAN OF TUBEWELL
(YEAR - 2014-2015)**

NAME OF SCHEME - PARABAILI W/S SCHEME DISTT MUZAFFARNAGAR.
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO
LOCATION OF TUBE WELL - 1ST
NAME OF CONTRACTOR - M/S SHOBHA RAM PREMI

SPRING WATER LEVEL IN. MTRS - 16.46 M
SIZE OF BORE - 675 X 650 MM.
DATE OF COMPLETION OF T.W. - 20.06.2015



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 05.05.2015 STATIC W/L - 16.46 M TASTE OF WATER , SWEET

Height Of Water	Discharge In Lpm	SAND CONTENTS IN PPM						REMARKS
		starting	After 5 min	After 10 min	After 15 min	After 30 min	After 60min	
08.50"	1834	900	350	100	50	Tr.	CL.	

YIELD TEST OF T/W BY O.P UNIT

DATE OF TEST - 20.05.2015 STATIC W/L - 16.46 M TASTE OF WATER - SWEET

ORIFICE TUBE HEIGHT IN INCH	DISCHARGE IN L.P.M	S.W. IN Mts	R.W. IN Mts	DEPRESSION IN L.P.M	STARTING	SAND CONTENTS IN PPM					RECOMMENDATIONS
						After 5 MIN	After 10 MIN	After 15 MIN	After 20 MIN	After 30 MIN	
19"	2027	24.70	28.15	3.45	Tr.	CL.	CL.	CL.	CL.	CL.	Recommended Discharge 2000 LPM at 3.45M depression.
25"	2369	24.70	28.25	3.55	50	CL.	Tr.	CL.	CL.	CL.	Pump should be run in by-pass for 5 minutes before supply of water in rising main.
30"	2536	24.70	28.40	3.70	150	100	50	CL.	CL.	CL.	
40"	2744	24.70	28.70	4.00	250	150	50	Tr.	CL.	CL.	
50"	2952	24.70	29.10	4.40	300	200	50	Tr.	CL.	CL.	

CHEMICAL TEST REPORT

DATE OF TEST - 15.06.2015 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	262
2	Turbidity,NTU	5	10	---	10	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.51	11	Magnesium* as (Mn) mg/L	30	100	---
4	Total Hardness as (CaCO ₃) mg/L	300	600	120	12	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe),mg/ L	0.3	1.00	0.025	13	Sulphate as (SO ₄) mg/L	200	400	6.14
6	Chlorides as (Cl),mg/L	250	1000	16	14	Nitrate as(NO ₃) mg/L	45	100	5.31
7	Residual Free Chlorine,mg/L	0.2	---	---	15	Alkalinity,mg/L	200	600	200
8	Fluoride as (F),mg/L	1.0	1.5	0.128					

Note - All dimensions are in metres.

JE

AE

EE