



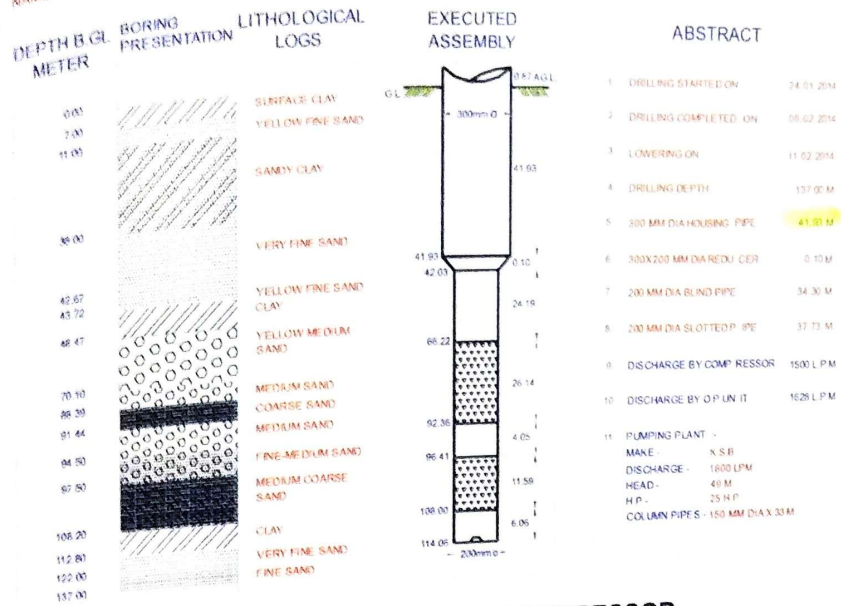
OFFICE OF THE EXECUTIVE ENGINEER JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

COMPLETION PLAN OF TUBEWELL

(YEAR - 2013-2014)

NAME OF SCHEME - HARSAUJIWS SCHEME MUZAFFARNAGAR
 TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 2 NOS.
 LOCATION OF TUBE WELL - 1st NEAR GOGAMADH
 NAME OF CONTRACTOR - M/S PIONEER DRILLING CO. GZB

SPRING WATER LEVEL IN METRS - 12.85 M
 SIZE OF BORT - 675 X 550 MM
 DATE OF COMPLETION OF T.W - 18.04.2014



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 05.04.2014 STATIC W/L - 12.85 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	After 60min
8.0"	1538	400	250	100	50	Tr.	CL.

YIELD TEST OF T/W BY O.P UNIT

DATE OF TEST - 13.04.2014 STATIC W/L - 12.85 M TASTE OF WATER - SWEET

SAND CONTENTS IN PPM RECOMMENDATIONS

ORIFICE TUBE HEIGHT IN INCH	DISCHARGE IN L.P.M	SWL IN Mts	RWL IN Mts	DEPRESSION IN L.P.M	STARTING	After 5 MIN	After 10 MIN	After 15 MIN	After 20 MIN	After 30 MIN	RECOMMENDATIONS
10"	1487	12.85	15.20	2.35	CL	CL	CL	CL	CL	CL	Recommended discharge 1600 LPM at 2.65M depression Pump should be run in bypass for 5 minutes before supply of water in rising main.
12"	1628	12.85	16.50	2.65	Tr	CL	CL	CL	CL	CL	
23"	2209	12.85	18.10	3.25	50	Tr	CL	CL	CL	CL	
30"	2526	12.85	18.50	3.65	50	Tr	CL	CL	CL	CL	
40"	2953	12.85	16.90	4.05	150	50	Tr	CL	CL	CL	

CHEMICAL TEST REPORT

DATE OF TEST - 26.04.2014 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	11.	Magnesium as (Mn) mg/L	30	100
4.	Total Hardness as (CaCO ₃) mg/L	300	600	12.	Copper as (Cu) mg/L	0.05	1.5
5.	Iron as (Fe) mg/L	0.3	1.00	13.	Sulphate as (SO ₄) mg/L	200	400
6.	Chlorides as (Cl) mg/L	250	1000	14.	Nitrate as (NO ₃) mg/L	45	100
7.	Residual Free Chlorine, mg/L	0.2		15.	Alkalinity, mg/L	200	600
8.	Fluoride as (F) mg/L	1.0	1.5				370