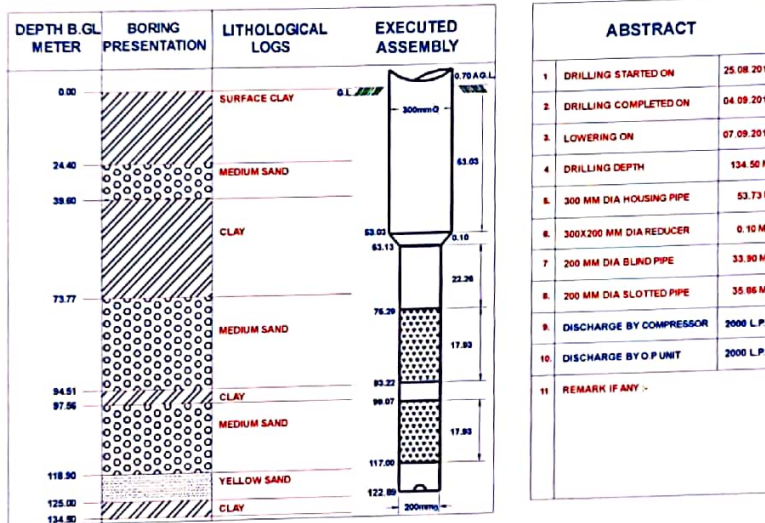


OFFICE OF THE EXECUTIVE ENGINEER JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

COMPLETION PLAN OF TUBEWELL (YEAR - 2013-2014)

NAME OF SCHEME - PANDAULI W/S SCHEME DISTT. SAHARANPUR.
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO.
LOCATION OF TUBE WELL - MADARSA CAMPUS
NAME OF CONTRACTOR - M'S RAJEEV BHARADWAJ.

SPRING WATER LEVEL IN. MTRS - 15.00 M
SIZE OF BORE - 675 X 550 MM.
DATE OF COMPLETION OF TW- 23.09.2012



YIELD TEST OF TW BY COMPRESSOR

DATE OF TEST - 12.09.2012 STATIC W/L - 15.00 M TASTE OF WATER . SWEET

DISCHARGE BY V.NOTCH		SAND CONTENTS IN PPM						REMARKS
		starting	After 5 min	After 10 min	After 15 min	After 30 min	After 60min	
Height Of Water	Discharge In Lpm							
23"	2030	1200	600	250	50	Tr.	CL.	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 23.09.2012 STATIC W/L - 15.00 M TASTE OF WATER - SWEET

DRIFIE 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	
20"	2082	15.00	19.50	4.50	50	Tr.	CL.	CL.	CL.	CL.	Recommended discharge 2000LPM at 4.50M depression. Pump should be run in bypass for 5 minutes before supply of water in rising man.
25"	2309	15.00	19.50	4.70	100	50	Tr.	CL.	CL.	CL.	
30"	2536	15.00	19.50	4.95	250	150	100	50	CL.	CL.	
35"	2744	15.00	19.50	5.40	300	200	150	100	Tr.	CL.	
40"	2952	15.00	19.50	5.70	350	300	200	150	50	Tr.	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 23.09.2012

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	272
2	Turbidity, NTU	5	10	---	10	Calcium as (Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.60	11	Magnesium * as (Mn) mg/L	30	100	---
4	Total Hardness as (CaCO ₃) mg/L	300	600	357	12	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe) mg/L	0.3	1.00	0.10	13	Sulphate as (SO ₄) mg/L	200	400	19.20
6	Chlorides as (Cl) mg/L	250	1000	38	14	Nitrate as (NO ₃) mg/L	45	100	4.43
7	Residual Free Chlorine mg/L	0.2	---	---	15	Alkalinity mg/L	200	600	327
8	Fluoride as (F) mg/L	1.0	1.5	0.10					

Note - All dimensions are in metres

J.E

A.E

E.E