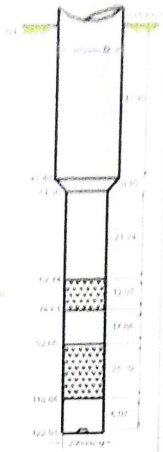
OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT

COMPLETION PLAN OF TUBE WELL

(YEAR - 2013-2014)

NAME OF SCHEME : DHANBHERA W/S SCHEME MUZAFFARNAGAR

DEPTH IN METER	BORING PRESENTATION	LITHOLOGICAL LOGS	EXECUTED ASSEMBLY	ABSTRACT



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 12.10.2014 STATIC W/L - 18.50 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"	1526	400	200	50	Tr.	CL.	CL.	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 20.10.2014 STATIC W/L - 18.50 M TASTE OF WATER - SWEET

ORIFIE TUBE HEIGHT IN INCH	DISCHARGE IN L.P.M	SWL IN Mts	R/WL IN Mts	DEPRESSION IN L.P.M	SAND CONTENTS IN P.P.M						RECOMMENDATIONS
					STARTING	After 5 MIN	After 10 MIN	After 15 MIN	After 20 MIN	After 30 MIN	
10"	1487	18.50	21.25	2.75	CL.	CL.	CL.	CL.	CL.	CL.	Recommended discharge 1695LPM at 2.85Mt. depression
15"	1916	18.50	21.35	2.85	Tr	CL	CL	CL	CL	CL	Pump should be run in byepass for 5 minutes before supply of water in rising main.
25"	2300	18.50	21.60	3.10	100	Tr	CL	CL	CL	CL	
30"	2526	18.50	21.75	3.25	150	50	Tr	CL	CL	CL	
40"	2953	18.50	21.95	3.45	300	150	50	Tr	CL	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 01.11.2014 AGENCY - E.E. Ist DIV U.P. Jal Nigam Mrt.

S. NO	SUBSTANCE OR CHARACTERISTIC	LIMIT		
		DESIRABLE	MAX.	ACTUAL
1	Colour Hazen.Unit	5	25	----
2	Turbidity.NTU	5	10	----
3	PH value	6.5 to 8.5	No Relaxation	07.9
4	Total Hardness as (caco.) mg/L	300	600	120
5.	Iron as (Fe).mg/ L	0.3	1.00	0.1
6.	Chlorides as (Cl).mg/L	250	1000	45
7	Residual Free Chlorine.mg/L	0.2	----	----
8	Fluoride as (F).mg/L	1.0	1.5	0.14

S. NO	SUBSTANCE OR CHARACTERISTIC	LIMIT		
		DESIRABLE	MAX.	ACTUAL
9.	Dissolved solids mg/L	500	2000	213
10.	Calcium as(Ca) mg/L	75	200	----
11	Magnesium as (Mn). mg/L	30	100	----
12.	Copper as (Cu) mg/L	0.05	1.5	----
13	Sulphate as (SO_4) mg/L	200	400	----
14.	Nitrate as(NO_3) mg/L	45	100	----
15.	Alkalinity.mg/L	200	600	184

Note - All dimensions are in metres.

J.E A.E E.E