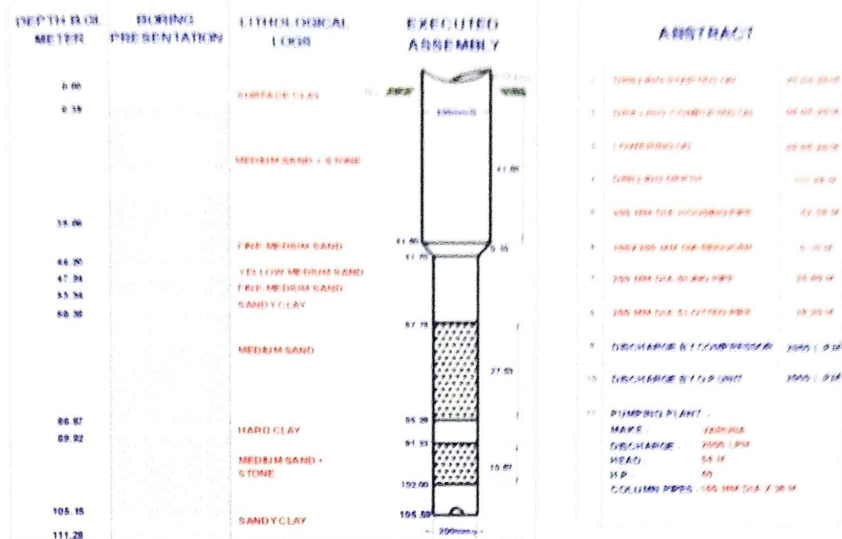




**OFFICE OF THE EXECUTIVE ENGINEER  
JAL NIGAM YANTRIK KHAND  
U.P. JAL NIGAM MEERUT  
COMPLETION PLAN OF TUBEWELL  
(YEAR - 2014-2015)**

NAMP OF SCHEME: KARRAURI WB SCHEME (BHTI) MIZAFFARNAGAR  
 TOTAL NOS. OF TUBE WELL PROVIDED IN THE SCHEME: 3 NOS.  
 LOCATION OF TUBE WELL: (WB)  
 NAME OF CONTRACTOR: M/S. SHYAMA RAM PNEAR  
 SPECIES WATER LEVEL IN SPRING: 12.00 M  
 DEPTH OF TUBE: 016 X 000 MM  
 DATE FOR COMPLETION OF JOB: 19.06.2015



**YIELD TEST OF T/W BY COMPRESSOR**

DATE OF TEST - 31.05.2015      STATIC W/L - 12.40 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	
09"	2060	3000	1000	500	300	100	CL.

**YIELD TEST OF T/W BY O.P UNIT**

(As Per IS - 2850)

DATE OF TEST - 19.06.2015      STATIC W/L - 12.40 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	12.40	15.65	3.25	Tr.	CL	CL	CL	CL	CL	Recommended discharge 2000 LPM at 3.25M depression.
25"	2309	12.40	15.80	3.40	50	CL	Tr	CL	CL	CL	Pump should be run in bypass for 5 minutes before supply of water in rising main.
30"	2536	12.40	15.90	3.50	100	100	Tr	CL	CL	CL	
40"	2744	12.40	16.05	3.65	150	100	50	Tr	CL	CL	
50"	2952	12.40	16.20	3.80	150	100	50	Tr	CL	CL	

**CHEMICAL TEST REPORT**

(As Per IS - 10500)

DATE OF TEST - 19.06.2015      AGENCY - EE Ist DIV U.P. Jal Nigam Ltd.

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	227
2	Turbidity NTU	5	10		10	Calcium as (Ca) mg/L	75	200	
3	PH value	6.5 to 8.5	No Relaxation	7.74	11	Magnesium* as (Mn) mg/L	30	100	
4	Total Hardness as (CaCO <sub>3</sub> ) mg/L	300	600	100	12	Copper as (Cu) mg/L	0.05	1.5	
5	Iron as (Fe) mg/L	0.3	1.00	0.032	13	Sulphate as (SO <sub>4</sub> ) mg/L	200	400	57.60
6	Chlorides as (Cl) mg/L	250	1000	13	14	Nitrate as (NO <sub>3</sub> ) 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	0.112					

Note - All dimensions are in metres

J.E

A.E

E.E