

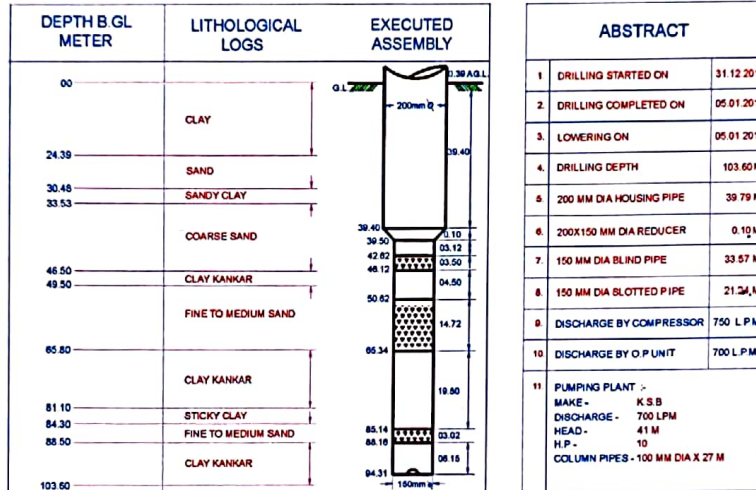


**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT**

**COMPLETION PLAN OF TUBEWELL
(YEAR - 2013-2014)**

NAME OF SCHEME - SHEKHPURA KADIM ZONE - 3
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO.
LOCATION OF TUBE WELL - SHANTA GARH.
NAME OF CONTRACTOR - M/S ASL ENTERPRISES MEERUT.

SPRING WATER LEVEL IN. MTRS - 09.50 M
SIZE OF BORE - 550 MM.
DATE OF COMPLETION OF T.W. - 01.02.2014



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 17.01.2014 STATIC W/L - 09.50 M TASTE OF WATER . SWEET

DISCHARGE BY V.NOTCH	SAND CONTENTS IN PPM							REMARKS
	Height Of Water in cm.	Discharge in Lpm	Starting	After 5 min	After 10 min	After 15 min	After 30 min	
15.2	750	1800	370	150	CL.	CL.	CL.	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 01.02.2014 STATIC W/L - 08.40 M TASTE OF WATER - SWEET

ORIFIE TUBE HEIGHT IN INCH.	DISCHARGE IN L.P.M	S.W.L. IN Mts.	R.W.L. 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 25 MIN	After 30 MIN	
5.00	548	8.40	10.20	1.80	50	20	CL.	CL.	CL.	CL.	CL.	Recommended discharge 700LPM at 2.20M. depression. Pump should be run in bypass for 5 minutes before supply of water in rising main.
07.00	651	8.40	10.60	2.20	70	10	Tr.	CL.	CL.	CL.	CL.	
11.00	813	8.40	11.10	2.70	160	70	20	TR.	TR.	CL.	CL.	
24.00	1173	8.40	11.70	3.30	330	150	40	10	TR.	TR.	CL.	
30.00	1310	8.40	12.50	4.10	450	270	120	30	TR.	TR.	CL.	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 07.02.2014 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	834
2.	Turbidity,NTU	5	10	---	10.	Calcium as(Ca) mg/L	75	200	---
3.	PH value	6.5 to 8.5	No Relaxation	07.94	11.	Magnesium* as (Mn), mg/L	30	100	---
4.	Total Hardness as (CaCO ₃) mg/L	300	600	370	12.	Copper as (Cu) mg/L	0.05	1.5	---
5.	Iron as (Fe),mg/L	0.3	1.00	0.2	13.	Sulphate as (SO ₄) mg/L	200	400	115.2
6.	Chlorides as (Cl),mg/L	250	1000	230	14.	Nitrate as(NO ₃) mg/L	45	100	14.17
7.	Residual Free Chlorine,mg/L	0.2	---	---	15.	Alkalinity,mg/L	200	600	300
8.	Fluoride as (F),mg/L	1.0	1.5	0.159					

Note - : All dimensions are in metres.

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