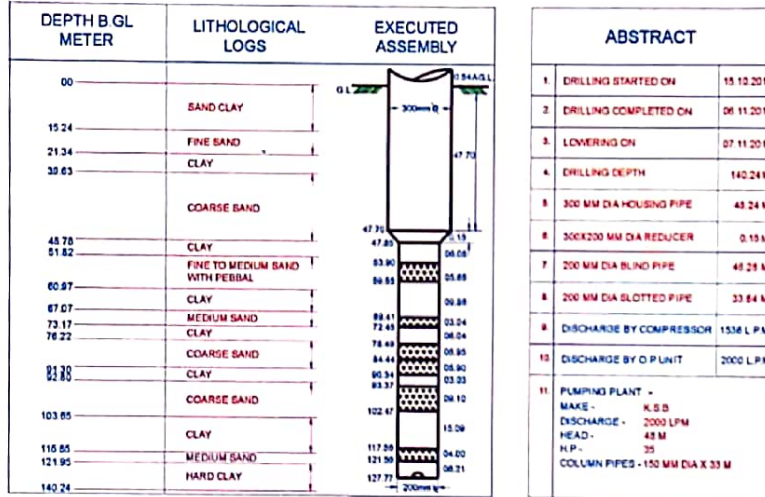




**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT**

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

NAME OF SCHEME-SHEKHPURA KADIM ZONE-1(TW NO-1) SPRING WATER LEVEL IN. MTRS - 11.00 M
 TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 2 NO. SIZE OF BORE - 675 X 550 MM.
 LOCATION OF TUBE WELL- NEAR MASJID. DATE OF COMPLETION OF TW- 21.01.2014
 NAME OF CONTRACTOR - M/S ASL ENTERPRISES MEERUT



YIELD TEST OF TW BY COMPRESSOR

DATE OF TEST - 02.12.2013 STATIC W/L - 10.30 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	
20.3	1536	2300	1250	800	450	300	100	
21.6	1800	2470	1480	990	760	520	310	

YIELD TEST OF TW BY O.P UNIT

DATE OF TEST - 21.01.2014 STATIC W/L - 9.90 M TASTE OF WATER - SWEET

ORIFICE TUBE HEIGHT IN INCH.	DISCHARGE IN LPM	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 25 MIN	After 30 MIN	
12.00	1610	09.90	13.20	3.30	50	20	CL	CL	CL	CL	CL	Recommended discharge 2000LPM at 3.50M depression. Pump should be run in bypass for 5 minutes before supply of water in rising main.
20.00	2083	09.90	13.40	3.50	90	25	TR	CL	CL	CL	CL	
30.00	2538	09.90	13.85	3.95	210	90	30	TR	TR	CL	CL	
45.00	3106	09.90	14.40	4.50	390	245	60	20	TR	TR	CL	
60.00	3598	09.90	15.90	6.00	490	280	140	40	TR	TR	CL	

CHEMICAL TEST REPORT

DATE OF TEST - 27.01.2014 AGENCY-EE PRATHAM KHAND,UP,JN,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	289
2	Turbidity,NTU	5	10	—	10	Calcium as(Ca) mg/L	75	200	—
3	PH value	6.5 to 8.5	No Relaxation	07.67	11	Magnesium* as (Mn), mg/L	30	100	—
4	Total Hardness as (CaCO ₃) mg/L	300	600	140	12	Copper as (Cu) mg/L	0.05	1.5	—
5	Iron as (Fe),mg/L	0.3	1.00	0.3	13	Sulphate as (SO ₄) mg/L	200	400	44.16
6	Chlorides as (Cl),mg/L	250	1000	20	14	Nitrate as(NO ₃) mg/L	45	100	6.6
7	Residual Free Chlorine,mg/L	0.2	—	—	15	Alkalinity,mg/L	200	600	210
8	Fluoride as (F),mg/L	1.0	1.5	0.143					

Note - All dimensions are in metres.

J.E

A.E

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