



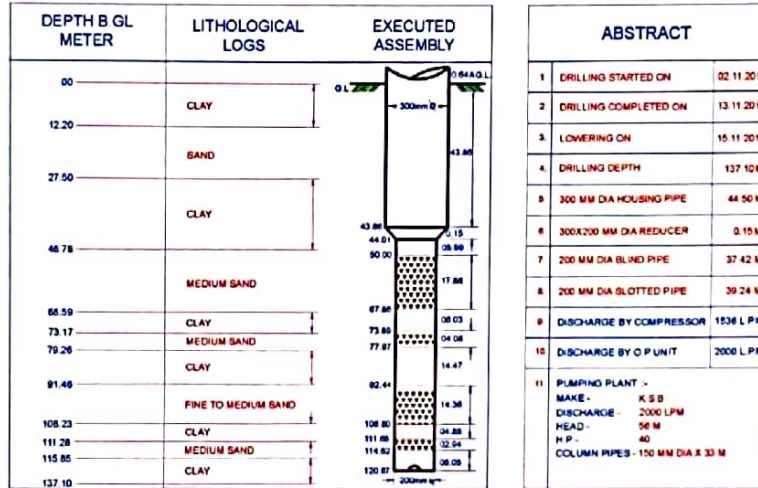
**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT**

COMPLETION PLAN OF TUBEWELL

(YEAR - 2013-2014)

NAME OF SCHEME - LAKHNAUTI MUSTKIM T.W
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO.
LOCATION OF TUBE WELL- PANCHAYAT GHAR CAMPUS
NAME OF CONTRACTOR-M/S ASL ENTERPRISES MEERUT

SPRING WATER LEVEL IN. MTRS - 18.10 M
SIZE OF BORE - 675 X 550 MM.
DATE OF COMPLETION OF T.W.- 10.12.2013



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 26.11.2013 STATIC W/L - 16.50 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	After 60min	
20.3	1536	1550	1220	820	400	210	50	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 10.12.2013 STATIC W/L - 16.50 M TASTE OF WATER - SWEET

ORIFIE 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	
14.00	1780	16.50	18.75	2.25	80	TR	CL	CL	CL	CL	CL	Recommended discharge 2000LPM at 2.80M depression. Pump should be run in bypass for 5 minutes before supply of water in ring main.
19.00	2029	16.50	19.30	2.80	80	TR	CL	CL	CL	CL		
25.00	2300	16.50	19.75	3.25	100	TR	TR	CL	CL	CL		
35.00	2750	16.50	20.35	3.85	340	210	70	20	TR	TR	CL	
50.00	3300	16.50	21.45	4.95	470	280	140	40	TR	TR	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 21.12.2013

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	214
2	Turbidity,NTU	5	10	---	10	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	07.59	11	Magnesium* as (Mn), mg/L	30	100	---
4	Total Hardness as (CaCO ₃) 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	0.3	13	Sulphate as (SO ₄) mg/L	200	400	13.44
6	Chlorides as (Cl),mg/L	250	1000	10	14	Nitrate as(NO ₃) mg/L	45	100	7.0
7	Residual Free Chlorine,mg/L	0.2	---	---	15	Alkalinity,mg/L	200	600	170
8	Fluoride as (F),mg/L	1.0	1.5	0.81					

Note - All dimensions are in metres.

J.E

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