



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

COMPLETION PLAN OF TUBEWELL

(YEAR - 2013-2014)

NAME OF SCHEME - CHANDENA KOLI T.W.

TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO.

LOCATION OF TUBE WELL - NEAR PRIMARY HOSPITAL

NAME OF CONTRACTOR - M/S A.S.L ENTERPRIS MRT.

SPRING WATER LEVEL IN. MTRS - 06.90 M

SIZE OF BORE - 675 X 550 MM.

DATE OF COMPLETION OF T.W. - 20.10.2013

DEPTH B.GL METER	LITHOLOGICAL LOGS	EXECUTED ASSEMBLY	ABSTRACT
00	CLAY		1 DRILLING STARTED ON 17.09.2013
06.09	SAND		2 DRILLING COMPLETED ON 24.09.2013
12.19	CLAY		3 LOWERING ON 26.09.2013
36.58	SAND		4 DRILLING DEPTH 140.24 M
42.88	CLAY		5 350 MM DIA HOUSING PIPE 44.53 M
49.39	SANDY CLAY		6 300X200 MM DIA REDUCER 0.15 M
56.40	YELLOW FINE SAND		7 200 MM DIA BLIND PIPE 55.40 M
65.54	CLAY		8 200 MM DIA SLOTTED PIPE 36.35 M
73.17	MEDIUM SAND		9 DISCHARGE BY COMPRESSOR 1534 LPM
79.26	CLAY		10 DISCHARGE BY O.P UNIT 2000 LPM
85.41	FINE TO MEDIUM SAND		
91.00	CLAY		
110.10	MEDIUM SAND		
118.85	CLAY		
123.09	YELLOW FINE SAND		
132.62	CLAY		
140.24	MEDIUM SAND		
	CLAY		

YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 05.10.2013 STATIC W/L - 06.90 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	1500	1200	800	400	200	50	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 20.10.2013 STATIC W/L - 06.40 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 PPM						RECOMMENDATIONS
						After 5 min	After 10 min	After 15 min	After 20 min	After 25 min	After 30 min	
07.00	1638	06.40	09.20	2.80	40	TR	CL	CL	CL	CL	CL	Recommended discharge 2000 LPM at 3.30M depression. Pump should be run in by-pass for 8 minutes before supply of water in rising main.
11.00	2017	06.40	09.70	3.30	70	40	TR	CL	CL	CL	CL	
18.00	2544	06.40	10.20	3.80	150	100	50	TR	TR	CL	CL	
25.00	2994	06.40	10.70	4.30	300	200	100	50	TR	TR	CL	
30.00	3244	06.40	11.30	4.90	410	300	150	50	TR	TR	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 22.10.2013

AGENCY-EE PRATHAM KHAND, U.P. J.N. 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	213
2	Turbidity, NTU	5	10	---	10	Calcium as (Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	08.12	11	Magnesium* as (Mn), mg/L	30	100	---
4	Total Hardness as (CaCO ₃) mg/L	300	600	116	12	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe), mg/L	0.3	1.00	0.4	13	Sulphate as (SO ₄) mg/L	200	400	05.78
6	Chlorides as (Cl), mg/L	250	1000	12	14	Nitrate as (NO ₃) mg/L	45	100	4.8
7	Residual Free Chlorine, mg/L	0.2	---	---	15	Alkalinity, mg/L	200	600	160
8	Fluoride as (F), mg/L	1.0	1.5	0.16					

Note - All dimensions are in metres.

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