



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

SERIAL NO. 45

COMPLETION PLAN OF TUBEWELL

(YEAR 2013-2014)

NAME OF SCHEME - NARAWA'S SCHEME MUZAFFARNAGAR

TOTAL NO. OF TUBE WELLS PROVIDED IN THE SCHEME - 1 NOS

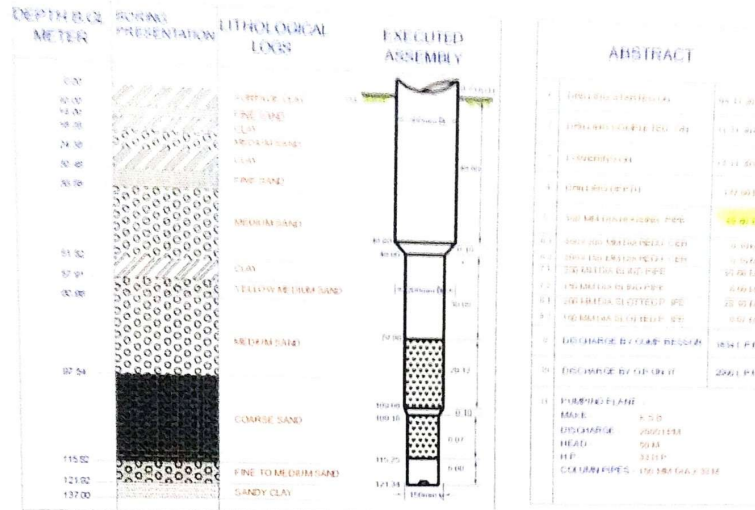
LOCATION OF TUBE WELLS - TALI SANDHANA ROAD

NAME OF CONTRACTOR - AUS PIONEER DRILLING CO

SPRING WATER LEVEL IN METRS - 12.00 M

SIZE OF BORE - 200 X 200 MM

DATE OF COMPLETION OF THE T/W - 20.12.2013



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 20.12.2013 STATIC W/L - 12.00 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	After 60min	
8.5"	1834	600	250	150	50	Tr.	CL.	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2950)

DATE OF TEST - 14.01.2014 STATIC W/L - 12.00 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 PPM					RECOMMENDATIONS
						After 5 MIN	After 10 MIN	After 15 MIN	After 20 MIN	After 30 MIN	
16"	1872	10.50	12.45	1.95	Tr.	CL.	CL.	CL.	CL.	CL.	Recommended discharge 2000 PPM at 2.15M depression.
19"	2027	10.50	13.15	2.65	50	Tr.	CL.	CL.	CL.	CL.	Pump should be run in bypass for 5 minutes before supply of water in rising main.
23"	2209	10.50	13.55	3.05	100	50	Tr.	CL.	CL.	CL.	
25"	2390	10.50	13.85	3.35	150	100	50	Tr.	CL.	CL.	
30"	2526	10.50	14.35	3.85	250	150	100	Tr.	CL.	CL.	

CHEMICAL TEST REPORT

(As Per IS - 10500)

AGENCY - EE 1st DIV U.P. Jal Nigam Mt

DATE OF TEST - 17.01.2014

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	---
2	Turbidity, NTU	5	10	---	10	Calcium as (Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	07.8	11	Magnesium as (Mn) mg/L	30	100	---
4	Total Hardness as (CaCO ₃) mg/L	300	600	128	12	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe) mg/L	0.3	1.00	0.1	13	Sulphate as (SO ₄) mg/L	200	400	---
6	Chlorides as (Cl) mg/L	250	1000	24	14	Nitrate as (NO ₃) mg/L	45	100	---
7	Residual Free Chlorine mg/L	0.2	---	---	15	Alkalinity mg/L	200	600	206
8	Fluoride as (F) mg/L	1.0	1.5	---					

Note - All dimensions are in metres

J.E

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