



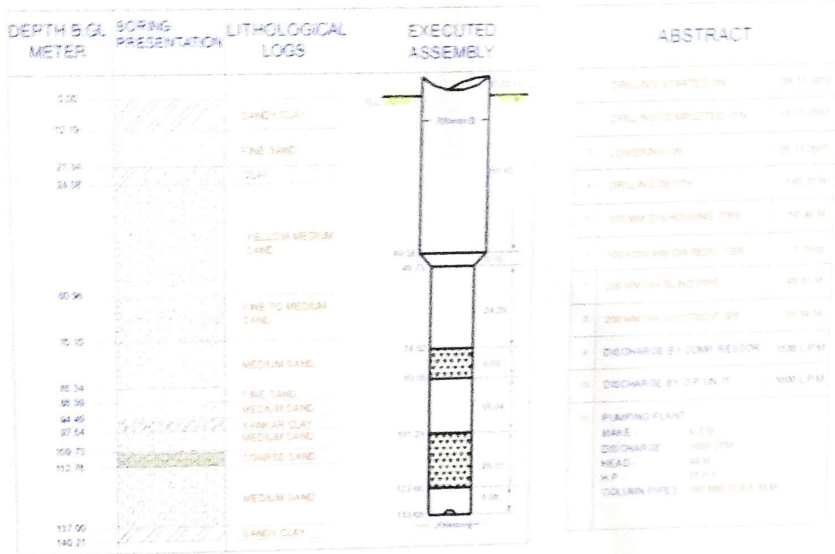
JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

COMPLETION PLAN OF TUBEWELL

(YEAR - 2013-2014)

NAME OF SCHEME - SHERNAGAR MIS SCHEME MUZAFFARNAGR
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 2 NOS
LOCATION OF TUBE WELL - IN NEAR GRAVE YARD
NAME OF CONTRACTOR - M/S PIONEER DRILLING CO

SPRING WATER LEVEL IN MTRS - 15.24M
SIZE OF BORE - 60MM Ø
DATE OF COMPLETION OF T.W. - 27.12.2013



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 10.12.2013 STATIC W/L - 15.24 M TASTE OF WATER - SWEET

DISCHARGE BY V NOTCH		SAND CONTENTS IN PPM					REMARKS
Height Of Water	Discharge in Lpm	starting	After 5 min	After 10 min	After 15 min	After 30 min	After 60min
8.0"	1538	450	250	100	50	Tr.	CL.

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2010)

DATE OF TEST - 27.12.2013 STATIC W/L - 15.24 M TASTE OF WATER - SWEET

CRUISE TUBE HEIGHT IN INCH	DISCHARGE IN L.P.M	S.W.L IN Mts	R.W.L IN Mts	DEPRESSION IN L.F.M	STARTING	SAND CONTENTS IN PPM					REMARKS/REACTION
						After 5 min	After 10 min	After 15 min	After 20 min	After 30 min	
10"	1487	11.00	12.30	1.10	75	CL.	CL.	CL.	CL.	CL.	Recommended discharge Max 100 or 1.500 (approx)
12"	1627	11.00	12.30	1.30	50	Tr.	CL.	CL.	CL.	CL.	Pump should be run in bypass for 2 minutes before supply of water to rising main
16"	1872	11.00	12.60	1.60	100	50	Tr.	CL.	CL.	CL.	
19"	2027	11.00	13.60	1.60	150	100	50	Tr.	CL.	CL.	
23"	2209	11.00	13.30	2.20	200	150	50	Tr.	CL.	CL.	

CHEMICAL TEST REPORT

(As Per IS - 10500)
AGENCY - EE 188 DIV U.P. Jal Nigam Me

S NO	SUBSTANCE OR CHARACTERISTIC	LIMIT		ACTUAL	S NO	SUBSTANCE OR CHARACTERISTIC	LIMIT		ACTUAL
		DESIRABLE	MAX.				DESIRABLE	MAX.	
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	Freeze/boil	07.9	11	Magnesium as (Mg) mg/L	30	100	---
4	Total Hardness as (CaCO ₃) mg/L	300	600	188	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	29	14	Nitrates as (NO ₃) mg/L	45	100	3.60
7	Residual Free Chlorine mg/L	0.2	---	---	15	Alkalinity mg/L	200	600	260
8	Fluoride as (F) mg/L	1.0	1.5	---					

Note - All dimensions are in metres

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