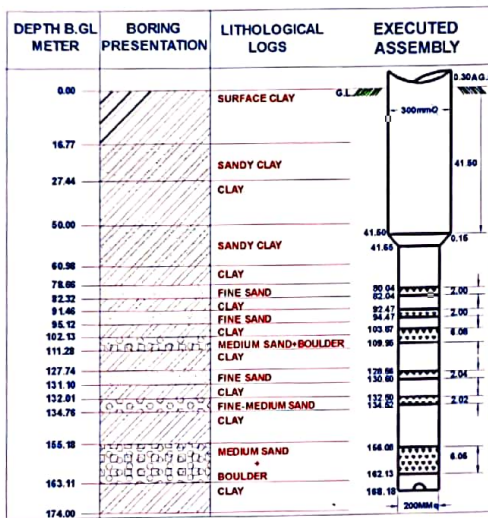




**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT
COMPLETION PLAN OF TUBEWELL
(YEAR - 2014-2015)**

NAME OF SCHEME - SHERPUR KHANAJADARPUR W/S SCHEME DISTT. SAHARANPUR. SPRING WATER LEVEL IN. MTRS - 19.50 M
 TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 3 NOS. SIZE OF BORE - 675 X 550 MM.
 LOCATION OF TUBE WELL - GILEWALA. DATE OF COMPLETION OF T.W. - 11.08.2015
 NAME OF CONTRACTOR - M/S A.S.L. ENTERPRISES MEERUT.



ABSTRACT	
1	DRILLING STARTED ON 18.06.2015
2	DRILLING COMPLETED ON 23.06.2015
3	LOWERING ON 25.06.2015
4	DRILLING DEPTH 174.00 M
5	300 MM DIA HOUSING PIPE 61.75M
6	300X200 MM DIA REDUCER 0.15 M
7	200 MM DIA BLIND PIPE 96.39 M
8	200 MM DIA SLOTTED PIPE 20.19 M
9	DISCHARGE BY COMPRESSOR 776 L.P.M
10	DISCHARGE BY O.P UNIT 1000 L.P.M
11	PUMPING PLANT :- MAKE - W.P.L.L DISCHARGE - 1000 LPM HEAD - 45 M H.P - 17.50 COLUMN PIPES - 100 MM DIA X 33 M

YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 20.07.2015 STATIC W/L - 19.10 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	
06"	775	420	210	95	40	10	CL.	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 11.08.2015 STATIC W/L - 18.50 M TASTE OF WATER - SWEET

ORIFIE TUBE HEIGHT IN INCH.	DISCHARGE IN L.P.M	SWL IN Mts.	RWL IN Mts.	DEPRESSION IN L.P.M	STARTING	SAND CONTENTS IN P.P.M					RECOMMENDATIONS.
						After 5 MN	After 10 MN	After 15 MN	After 20 MN	After 30 MN	
14"	901	18.50	20.24	1.74	Tr	Tr	CL	CL	CL	CL	Recommended discharge 1000LPM at 1.88M. depression. Pump should be run in bypass for 6 minutes before supply of water in rising main.
18"	1015	18.50	20.38	1.88	20	Tr	CL	CL	CL	CL	
22"	1178	18.50	20.50	2.00	30	10	Tr	Tr	CL	CL	
35"	1420	18.50	20.85	2.35	45	30	15	Tr	CL	CL	
40"	1515	18.50	20.92	2.42	55	40	10	Tr	CL	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 01.09.2015

AGENCY - EE 1st DIV U.P. Jal Nigam 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	218
2	Turbidity,NTU	5	10	---	10	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.95	11	Magnesium* as (Mn) mg/L	30	100	---
4	Total Hardness as (CaCO ₃) mg/L	300	600	80	12	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe),mg/L	0.3	1.00	0.052	13	Sulphate as (SO ₄) mg/L	200	400	10.94
6	Chlorides as (Cl),mg/L	250	1000	13	14	Nitrate as(NO ₃) mg/L	45	100	10.18
7	Residual Free Chlorine,mg/L	0.2	---	---	15	Alkalinity,mg/L	200	600	240
8	Fluoride as (F),mg/L	1.0	1.5	0.109					

Note :- All dimensions are in metres.

J.E

A.E

E.E

