

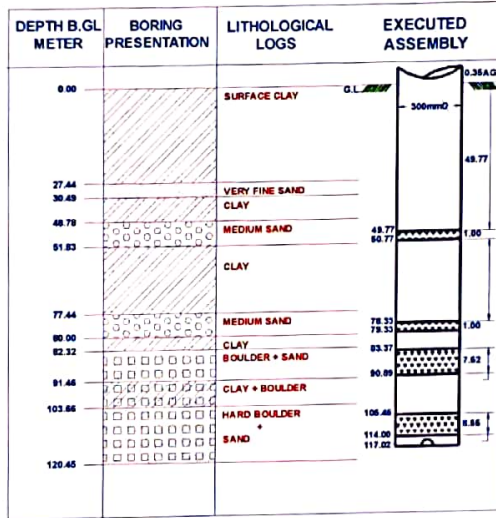


**OFFICE OF THE EXECUTIVE ENGINEER  
JAL NIGAM YANTRIK KHAND  
U.P. JAL NIGAM MEERUT  
COMPLETION PLAN OF TUBEWELL**

(YEAR - 2014-2015)

NAME OF SCHEME - SHERPUR KHANAJADPUR W/S SCHEME DISTT. SAHARANPUR  
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 3 NOS.  
LOCATION OF TUBE WELL - NO.1(CHANCHAK).  
NAME OF CONTRACTOR - M/S A. S. L. ENTERPRISES MEERUT.

SPRING WATER LEVEL IN. MTRS - 19.75 M  
SIZE OF BORE - 675 MM.  
DATE OF COMPLETION OF T.W. - 31.08.2015



ABSTRACT	
1. DRILLING STARTED ON	06.07.2015
2. DRILLING COMPLETED ON	13.07.2015
3. LOWERING ON	18.07.2015
4. DRILLING DEPTH	120.46 M
5. 300 MM DIA HOUSING PIPE	---
6. 300 X 200 MM DIA REDUCER	---
7. 300 MM DIA BLIND PIPE	89.30 M
8. 300 MM DIA SLOTTED PIPE	18.07 M
9. DISCHARGE BY COMPRESSOR	770 LPM
10. DISCHARGE BY O.P UNIT	1000 LPM
11. PUMPING PLANT :- MAKE - W.P.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 - 16.08.2015      STATIC W/L - 19.60 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
06"	770	450	250	110	50	30	10	

**YIELD TEST OF T/W BY O.P UNIT**

(As Per IS - 2800)

DATE OF TEST - 31.08.2015      STATIC W/L - 19.51 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 P.P.M					RECOMMENDATIONS.
						After 5 MIN	After 10 MIN	After 15 MIN	After 20 MIN	After 30 MIN	
14"	901	19.51	22.56	3.05	25	Tr	CL	CL	CL	CL	Recommended discharge 1000LPM at 3.40M. depression. Pump should be run in bypass for 5 minutes before a supply of water in rising main.
18"	1015	19.51	22.91	3.40	35	15	Tr	CL	CL	CL	
22"	1178	19.51	23.41	3.90	40	30	20	Tr	CL	CL	
35"	1420	19.51	23.96	4.45	50	35	25	Tr	CL	CL	
40"	1515	19.51	24.46	4.95	60	40	30	Tr	CL	CL	

**CHEMICAL TEST REPORT**

(As Per IS - 10500)

DATE OF TEST - 04.09.2015

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	222
2	Turbidity,NTU	5	10	---	10	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.56	11	Magnesium* as (Mn), mg/L	30	100	---
4	Total Hardness as (caco <sub>3</sub> ) 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	0.056	13	Sulphate as (SO <sub>4</sub> ) mg/L	200	400	10.36
6	Chlorides as (Cl),mg/L	250	1000	12	14	Nitrate as(NO <sub>3</sub> ) mg/L	45	100	11.96
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	0.134					

Note - All dimensions are in metres

J.E

A.E

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