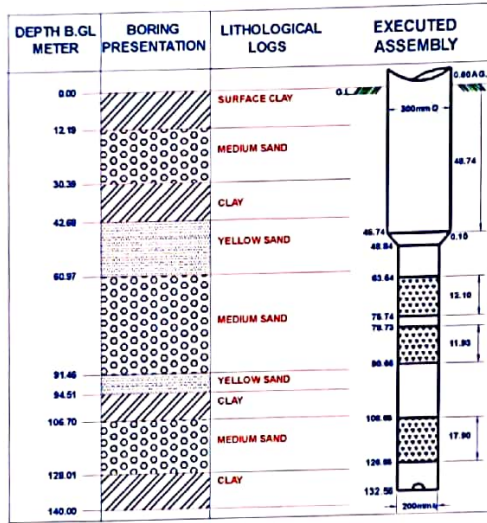


# OFFICE OF THE EXECUTIVE ENGINEER JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT COMPLETION PLAN OF TUBEWELL

(YEAR - 2012-2013)

NAME OF SCHEME - SALHAPUR W/S/S DISTT. SAHARANPUR.  
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO.  
LOCATION OF TUBE WELL - MANGO GARDEN  
NAME OF CONTRACTOR - M/S PIONEER DRILLING CO. (P) LTD GZB.

SPRING WATER LEVEL IN MTRS - 14.00 M  
SIZE OF BORE - 675 X 600 MM.  
DATE OF COMPLETION OF TW - 17.06.2012



ABSTRACT		
1.	DRILLING STARTED ON	05.05.2012
2.	DRILLING COMPLETED ON	10.05.2012
3.	LOWERING ON	15.05.2012
4.	DRILLING DEPTH	140.25 M
5.	300 MM DIA HOUSING PIPE	49.34 M
6.	300X200 MM DIA REDUCER	0.10 M
7.	200 MM DIA BLIND PIPE	41.49 M
8.	200 MM DIA SLOTTED PIPE	41.93 M
9.	DISCHARGE BY COMPRESSOR	2000 L.P.M
10.	DISCHARGE BY O.P UNIT	2000 L.P.M
11.	REMARK IF ANY -	

### YIELD TEST OF TW BY COMPRESSOR

DATE OF TEST - 08.06.2012      STATIC W/L - 13.72 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	
23"	2030	2500	900	500	100	Tr.	CL.	

### YIELD TEST OF TW BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 17.06.2012      STATIC WL - 13.72 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	
12"	1582	13.72	18.22	4.50	50	CL	CL	CL	CL	CL	Recommended discharge 1500LPM at 4.50M depression. Pump should be run in byepass for 5 minutes before supply of water in rising mark.
20"	2093	13.72	18.52	4.80	100	40	CL	CL	CL	CL	
30"	2556	13.72	18.97	5.25	250	150	50	Tr	CL	CL	
35"	2750	13.72	19.12	5.40	350	200	150	100	50	CL	
40"	2953	13.72	19.62	5.90	500	400	300	200	100	Tr	

### CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 27.06.2011

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	240
2	Turbidity,NTU	5	10	---	10.	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.96	11.	Magnesium* as (Mn), mg/L	30	100	---
4	Total Hardness as (CaCO <sub>3</sub> ) mg/L	300	600	160	12.	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe),mg/ L	0.3	1.00	0.06	13.	Sulphate as (SO <sub>4</sub> ) mg/L	200	400	32
6	Chlorides as (Cl),mg/L	250	1000	13	14.	Nitrate as(NO <sub>3</sub> ) mg/L	45	100	4.00
7	Residual Free Chlorine,mg/L	0.2	---	---	15.	Alkalinity,mg/L	200	600	285
8	Fluoride as (F),mg/L	1.0	1.5	---					

Note - All dimensions are in metres

J.E

A.E

E.E