

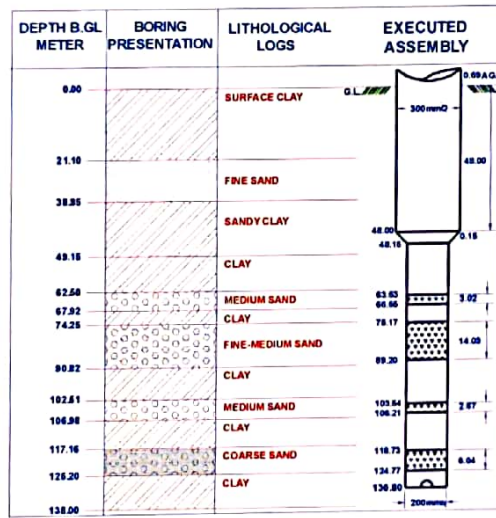


**OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT**

**COMPLETION PLAN OF TUBEWELL
(YEAR - 2014-2015)**

NAME OF SCHEME - KHERA AFGAN W/S SCHEME DISTT. SAHARANPUR.
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO
LOCATION OF TUBE WELL - 1 NO. WATER WORKS CAMPUS.
NAME OF CONTRACTOR - M/S D.L.F. GANGA NAGARI HARIDWAR.

SPRING WATER LEVEL IN. MTRS - 17.00 M
SIZE OF BORE - 675 X 550 MM.
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ABSTRACT		
1	DRILLING STARTED ON	26.12.2014
2	DRILLING COMPLETED ON	03.01.2015
3	LOWERING ON	05.01.2015
4	DRILLING DEPTH	138.00 M
5	300 MM DIA HOUSING PIPE	48.00 M
6	300X200 MM DIA REDUCER	0.15 M
7	200 MM DIA BLIND PIPE	08.89 M
8	200 MM DIA SLOTTED PIPE	25.76 M
9	DISCHARGE BY COMPRESSOR	1128 L.P.M
10	DISCHARGE BY O.P UNIT	1000 L.P.M
11. PUMPING PLANT :- MAKE - W.P.I.L DISCHARGE - 1000 LPM HEAD - 42 M H.P. - 15.00 COLUMN PIPES - 100 MM DIA X 30 M		

YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 02.02.2015 STATIC W/L - 16.95 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
07"	1125	350 150 50 Tr. Tr. CL.					

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 11.02.2015 STATIC WL - 16.77 M TASTE OF WATER - SWEET

ORIFICE TUBE HEIGHT IN INCH	DISCHARGE IN L.P.M	SWL IN Mts.	RWL IN Mts.	DEPRESSION IN LPM	STARTING	SAND CONTENTS IN P.P.M					RECOMMENDATIONS.
						After 5 MN	After 10 MN	After 15 MN	After 20 MN	After 30 MN	
14"	920	16.77	17.67	0.90	Tr.	CL	CL	CL	CL	CL	Recommended discharge 1000LPM at 1.10MT. depression. Pump should be run in byepass for 8 minutes before supply of water in rising main.
18"	1026	16.77	17.87	1.10	Tr.	CL	CL	CL	CL	CL	
30"	1310	16.77	18.46	1.69	10	CL	CL	CL	CL	CL	
45"	1610	16.77	19.07	2.30	50	10	Tr.	CL	CL	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 18.02.2015 AGENCY - EE 1st DIV U.P. Jal Nigam Mr.

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	212
2	Turbidity, NTU	5	10	---	10.	Calcium as (Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	7.64	11	Magnesium* as (Mn) mg/L	30	100	---
4	Total Hardness as (CaCO ₃) mg/L	300	600	110	12	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe), mg/L	0.3	1.00	0.036	13	Sulphate as (SO ₄) mg/L	200	400	07.10
6	Chlorides as (Cl), mg/L	250	1000	15	14	Nitrate as (NO ₃) mg/L	45	100	3.54
7	Residual Free Chlorine, mg/L	0.2	---	---	15.	Alkalinity, mg/L	200	600	190
8	Fluoride as (F), mg/L	1.0	1.5	0.122					

Note - All dimensions are in metres

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