

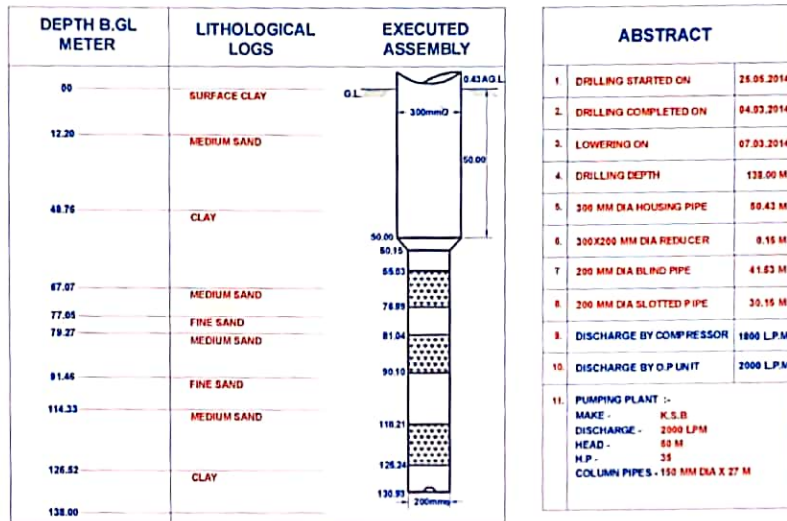
OFFICE OF THE EXECUTIVE ENGINEER JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

COMPLETION PLAN OF TUBEWELL

(YEAR - 2013-2014)

NAME OF SCHEME - ISLAM NAGAR W/S T.W. NO.2. **(SRE)**
 TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 02
 LOCATION OF TUBE WELL - NEAR IDGAH
 NAME OF CONTRACTOR - M/S A.S.L ENTERPRISES MEERUT.

SPRING WATER LEVEL IN. MTRS - 10.67 M
 SIZE OF BORE - 675 X 550 MM.
 DATE OF COMPLETION OF T.W. - 05.10.2014



YIELD TEST OF TW BY COMPRESSOR

DATE OF TEST - 21.09.2014 STATIC W/L - 11.50 M TASTE OF WATER . SWEET

DISCHARGE BY V.NOTCH		SAND CONTENTS IN PPM						REMARKS
Height Of Water In cm.	Discharge In Lpm	starting	After 5 min	After 10 min	After 15 min	After 30 min	After 60min	
8.5"	1800	2470	1480	990	660	420	210	

YIELD TEST OF TW BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 05.10.2014 STATIC W/L - 12.80 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 25 MIN	After 30 MIN	
8.00	1665	12.80	14.11	1.31	10	CL	CL	CL	CL	CL	CL	Recommended discharge 2000LPM at 1.82M depression. Pump should be run in bypass for 5 minutes before supply of water in rising main.
12.00	2044	12.80	14.32	1.52	40	Tr	CL	CL	CL	CL	CL	
18.00	2498	12.80	14.03	1.63	90	20	Tr	CL	CL	CL	CL	
25.00	2952	12.80	14.93	2.13	160	40	10	Tr	CL	CL	CL	
35.00	3482	12.80	15.54	2.74	280	100	30	10	Tr	CL	CL	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 13.10.2014 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	---
2	Turbidity,NTU	5	10	---	10.	Calcium as(Ca) mg/L	75	200	---
3	PH value	6.5 to 8.5	No Relaxation	07.99	11	Magnesium* as (Mn), mg/L	30	100	---
4	Total Hardness as (cacO ₃) mg/L	300	600	100	12.	Copper as (Cu) mg/L	0.05	1.5	---
5	Iron as (Fe).mg/L	0.3	1.00	0.10	13.	Sulphate as (SO ₄) mg/L	200	400	09.60
6	Chlorides as (Cl).mg/L	250	1000	13	14.	Nitrate as(NO ₃) mg/L	45	100	04.87
7	Residual Free Chlorine,mg/L	0.2	---	---	15.	Alkalinity,mg/L	200	600	210
8	Fluoride as (F),mg/L	1.0	1.5	0.141					

Note - All dimensions are in metres.

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