SERIAL.NO-: S/28

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

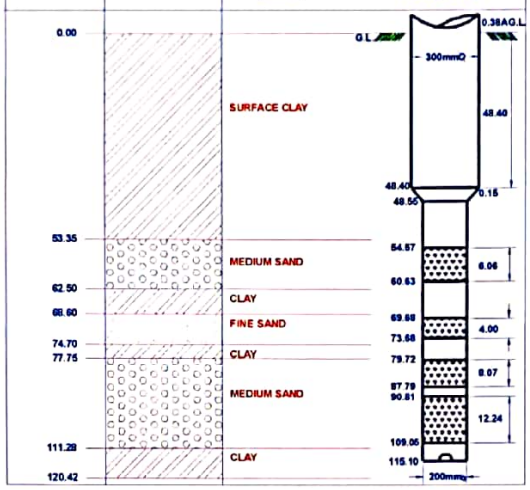
COMPLETION PLAN OF TUBEWELL

(YEAR - 2014-2015)

NAME OF SCHEME - BASI NAYA KUNDA W/S SCHEME DISTT. SAHARANPUR.
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO.
LOCATION OF TUBE WELL - NEAR OHT.
NAME OF CONTRACTOR - M/S A.S.L. ENTERPRISES MEERUT.

SPRING WATER LEVEL IN. MTRS - 21.00 M
SIZE OF BORE - 675 X 550 MM.
DATE OF COMPLETION OF T.W.- 19.07.2015

DEPTH B.GL METER	BORING PRESENTATION	LITHOLOGICAL LOGS	EXECUTED ASSEMBLY



ABSTRACT

1.	DRILLING STARTED ON	29.05.2015
2.	DRILLING COMPLETED ON	05.06.2015
3.	LOWERING ON	07.06.2015
4.	DRILLING DEPTH	120.42 M
5.	300 MM DIA HOUSING PIPE	48.78 M
6.	300X200 MM DIA REDUCER	0.15 M
7.	200 MM DIA BLIND PIPE	30.18 M
8.	200 MM DIA SLOTTED PIPE	36.37 M
9.	DISCHARGE BY COMPRESSOR	1140 L.P.M
10.	DISCHARGE BY O.P UNIT	1400 L.P.M
11.	PUMPING PLANT :- MAKE - W.P.I.L DISCHARGE - 1400 LPM HEAD - 48 M H.P - 25 COLUMN PIPES - 150 MM DIA X 33 M	

YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 26.06.2015 STATIC W/L - 20.00 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	
07"	1140	1025	725	450	210	55	Tr.	

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 19.07.2015 STATIC W/L - 19.50 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 After 5 MIN	After 10 MIN	After 15 MIN	After 20 MIN	After 30 MIN	RECOMMENDATIONS.
07"	1230	19.50	20.50	1.00	20	Tr	CL.	CL.	CL.	CL.	Recommended discharge 1400LPM at 1.05Mt. depression. Pump should be run in byepass for 5 minutes before supply of water in rising main.
09"	1401	19.50	20.55	1.05	35	Tr.	CL.	CL.	CL.	CL.	
14"	1742	19.50	20.60	1.10	40	34	Tr	Tr	CL.	CL.	
20"	2083	19.50	20.67	1.17	45	30	20	Tr	CL.	CL.	
30"	2538	19.50	20.80	1.30	55	40	25	Tr	CL.	CL.	

CHEMICAL TEST REPORT

(As Per IS - 10500)

DATE OF TEST - 27.06.2011 AGENCY - EE Ist DIV U.P Jal Nigam Mrt.

S. NO	SUBSTANCE OR CHARACTERISTIC	LIMIT DESIRABLE	MAX.	ACTUAL
1	Colour,Hazen,Unit	5	25	——
2	Turbidity,NTU	5	10	——
3	PH value	6.5 to 8.5	No Relaxation	7.40
4	Total Hardness as ($CaCO_3$) mg/L	300	600	70
5.	Iron as (Fe),mg/ L	0.3	1.00	0.031
6	Chlorides as (Cl),mg/L	250	1000	10
7	Residual Free Chlorine,mg/L	0.2	——	——
8	Fluoride as (F),mg/L	1.0	1.5	0.117

S. NO	SUBSTANCE OR CHARACTERISTIC	LIMIT DESIRABLE	MAX.	ACTUAL
9.	Dissolved solids mg/L	500	2000	174
10	Calcium as(Ca) mg/L	75	200	——
11.	Magnesium* as (Mn), mg/L	30	100	——
12.	Copper as (Cu) mg/L	0.05	1.5	——
13.	Sulphate as (SO_4) mg/L	200	400	34.56
14	Nitrate as(NO_3) mg/L	45	100	4.87
15.	Alkalinity,mg/L	200	600	120

Note -: All dimensions are in metres.

J.E A.E E.E

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