

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme ...DOORHA..HRDI..G.N.S.

Spring water level in Mtrs.....

Total No. of tube well provided in the scheme.....ONE

Size of Bore in M.M.675 X 550 mm.

Number & Location of tube-well executed..Near College

Date of Completion of T.W. 26/04/15

Name of contractor.....M/S


M/s Pioneer Drilling CO G28D

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly AGL 089	ABSTRACT
0.00 - 7.62		surface clay	300 mm φ	1. Drilling Started..... <u>8-03-15</u>
7.62 - 16.76		yellow fine sand		2. Drilling Completed..... <u>26-03-15</u>
16.76 - 22.86		Hard clay		3. Lowering on..... <u>28-03-15</u>
				4. Drilling Depth..... <u>178.72</u> M
22.86 - 44.20		Fine sand	200 mm φ	5. <u>300</u> mm dia Housing Pipe..... <u>36.42</u> M
<u>53.34</u>		Fine (6 Med sand)		6. <u>300</u> mm dia Reducer Pipe..... <u>10</u> M
				7. <u>200</u> mm dia Blind Pipe..... <u>60.11</u> M
71.63		YELLOW F. M. sand		8. <u>200</u> mm dia Slotted Pipe..... <u>37.17</u> M
80.77		Hard clay		9. Discharge by Compressor..... <u>1065</u> LPM
86.87		F. Med. Sand.		10. Discharge by O.P. Unit..... <u>1100</u> LPM
				11. Remark if any:-
105.15		Good Med. Sand		<u>PUMP</u>
106.98		Hard clay		<u>MAKE</u> <u>VARUNA</u>
				<u>DISCHARGE</u> <u>1100 LPM</u>
128.02		coarse sand	<u>Head</u> <u>45. W mt.</u>	
			<u>H.P</u> <u>20</u>	
141.73		Fine sand	<u>Col^d Pipe</u> <u>150 mm x 33 mt.</u>	


Contractor


J. E.


A. E.

Countersigned

E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test 11.04.2015

Static W/L

Taste of Water. *sweet*

Discharge by V. Notch		Stand Contents In PPM						Remarks
In cm.	In Lpm	Start	5 Min	10 Min	15 Min	30 Min	60 Min	
17.5	1065	500	300	50	Tr	cl	cl.	

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Contractor

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YIELD TEST REPORT BY O.P. UNIT

Size of orifice *6" x 5"*

Taste of water *sweet..*

Date of Test 26.04.2015

Height of water column in orifice tube (c.m.)	Discharge in L.P.M.	SWL in Mts	RWL in Mts	Depression in Mts	SAND CONTENTS IN P. P. M.								Recommendations.
					Starting	5 Min.	10 Min.	15 M.	20 M.	25 M.	30 M.		
6"	1200	14.50	17.20	2.70	Tr	cl	cl	cl	cl	cl	cl	cl	Recommended discharge ...1100...LPM atmt depression. Recommended Pumping plant discharge. 1100 Lpm.
8"	1324	14.50	17.40	2.90	50	cl	cl	cl	cl	cl	cl	cl	
10"	1487	14.50	17.60	3.10	100	Tr	cl	cl	cl	cl	cl	cl	
12"	1627	14.50	17.75	3.25	200	Tr	cl	cl	cl	cl	cl	cl	
16"	1872	14.50	17.95	3.45	250	50	Tr	cl	cl	cl	cl	cl	

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Contractor

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A. E.

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CHEMICAL TEST REPORT

DATE OF TEST

AGENCY 1577 dt 28.04.2015
 & CE. Istc.D. Meerut

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour <i>colourless</i>	Hardness Temp.	Chlorides 12		
Nitrates 4.87	Copper	Nitride NIL		
PH 7.85	Iron .033	Florides .135		
Total Solids	Total Alkanity 200	Amonia		
Dissolved Solids 240	Sulphates 11.71			
Fixed Solids	Calcium			
Total Hardness (CaCO ₃) 140	Megnecium			
Permanent Hardness	Turbidity 7.26			

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E. E.