

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme Dunda. Khera. Banger

21.0
Spring water level in Mtrs.

Total No. of tube well provided in the scheme One

Size of Bore in M.M. 675 x 550.9

Number & Location of tube-well executed One

Date of Completion of T.W. 25-5-16

Name of contractor M/s. Pioneer Drilling Co. GZB.

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
			0.68	
0-7.62		Surface clay	6.06 5.98 5.89	1. Drilling Started <u>10.04.2014</u>
7.62-21.7		F. Med. sand	6.07	2. Drilling Completed <u>24-4-2016</u>
21.7-32		Med. sand	6.05	3. Lowering on <u>26-4-2016</u>
32-39		clay	6.07	
39-49		Coarse Sand + Boulden	6.06	4. Drilling Depth <u>122.0</u> M
			42-18	5. 300 mm dia Housing Pipe <u>63.28</u> M
			6.04	6. 300 x 200 mm dia Reducer Pipe <u>0.10</u> M
49-52		Sandy clay	6.06	7. 50 mm dia Blind Pipe <u>22.43</u> M
52-58		Med. Coarse sand	3.03	8. 200 mm dia Slotted Pipe <u>14.17</u> M
			5.97	9. Discharge by Compressor <u>1500</u> LPM
58-67		Sandy clay	6.12	10. Discharge by O.P. Unit <u>1600</u> LPM
			5.96	11. Remark if any:-
67-76		F. F. Sand + Kam Kay	6.12	1. Make - VARUNA
76-80		V.F. Sand	2.00	2. Discharge - 1600 LPM
80-83		F.F. Sand + Kam Kay	4.96	3. Head. - 45 mt.
83-86		Yellow F. Sand	6.21	4. H.P. - 25
86-96		F.F. Sand	94.07	5. Stuge. - 3
96-105		very fine sand	5.23	6. Column Pipe - 150 mm ϕ 36 mt. length.
105-122		Sandy clay	99.30	

Countersigned

YIELD TEST OF TW BY COMPRESSOR

Date of Test 12-03-2016 Static W/L 21.05 mt Taste of Water. Sweet

Discharge by V. Notch		Stand Contents In PPM						Remarks
In cm	In Lcm	Start	5 Min	10 Min	15 Min	30 Min	60 Min	
1500	770	400	200	50	Tr	cl	cl.	

Contractor J. E. A. E. E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice 1.5 x 125 mm Taste of water Sweet Date of Test 25-03-2016

Height of water column in orifice tube (cm)	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.	
10	1487	21.0	23.5	2.50	Tr	cl	cl	cl	cl	cl	cl	Recommended discharge <u>1600 LPM</u> at <u>2.60 mt</u> depression. Recommended Pumping plant discharge <u>1600 lpm.</u>
12	1628	21.0	23.6	2.60	50	Tr	cl	cl	cl	cl	cl	
19	2029	21.0	23.9	2.90	100	50	Tr	cl	cl	cl	cl	
25	2310	21.0	24.1	3.10	150	100	50	Tr	cl	cl	cl	

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CHEMICAL TEST REPORT

DATE OF TEST _____ AGENCY EE 1st DN Meerut
Letter no 307/dt 08.08.2016,

Mg/Lit	mg/Lit	mg/Lit	mg/Lit
Colour <u>Colourless</u>	Hardness Temp.	Chlorides <u>27</u>	Remarks
Nitrates <u>7.97</u>	Copper	Nitride <u>-</u>	
PH <u>7.45</u>	Iron <u>0.050</u>	Florides <u>0.102</u>	
Total Solids	Total Alkanity	Amonia	
Dissolved Solids	Sulphates <u>17.08</u>		
Fixed Solids	Calcium		
Total Hardness (CaCO ₃) <u>108</u>	Megnecium		
Permanent Hardness	Turbidity <u>1.36</u>		

J. E. A. E. E. E.