

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme Mahelki N/S.....

Spring water level in Mtrs 10.60.....

Total No. of tube well provided in the scheme 1 No.....

Size of Bore in M.M. 6.75 X 5.50.....

Number & Location of tube-well executed P. Mrs. Primary Health Centre

Date of Completion of T.W. 17.07.17.....

Name of contractor Mr. P. Prasad Drilling Co. G2B

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
0 - 10.67		S. Clay	48.59	1. Drilling Started..... <u>5.07.17</u>
10.67 - 19.81		Fine Sand		2. Drilling Completed..... <u>17.07.17</u>
19.81 - 22.86		Fine to medium sand		3. Lowering on..... <u>18.07.17</u>
22.86 - 28.96		medium sand		4. Drilling Depth..... <u>124.60</u> M
28.96 - 38.10		medium to coarse sand		5. <u>700</u> mm dia Housing Pipe..... <u>48.59</u> M
38.10 - 41.15		Yellow medium sand		6. <u>300 X 200</u> mm dia Reducer Pipe..... <u>0.10</u> M
41.15 - 44.20		Coarse sand		7. <u>200</u> mm dia Blind Pipe..... <u>33.21</u> M
44.20 - 47.25		Clay		8. <u>200</u> mm dia Slotted Pipe..... <u>38.95</u> M
47.25 - 50.30		very fine sand	47.50	9. Discharge by Compressor..... <u>1930</u> LPM
50.30 - 53.35		medium to fine sand		10. Discharge by O.P. Unit..... <u>1800</u> LPM
53.35 - 56.40		Fine to medium sand		11. Remark if any:-
56.40 - 62.50		Coarse sand and gravel		
62.50 - 74.69		medium to fine sand		
74.69 - 86.89		medium to coarse sand		
86.89 - 96.03		Coarse sand		
96.03 - 98.17		Coarse to medium sand		
98.17 - 99.28		clay		
99.28 - 102.13		knaked clay		
102.13 - 105.10		medium sand		
105.10 - 106.25		medium to coarse sand		
106.25 - 111.28		medium sand		
111.28 - 118.90		medium sand		
118.90 - 124.60		Clay		

Contractor

J. E.

A. E.

Countersigned

E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test **28.07.17**

Static W/L

Taste of Water.

Discharge by V. Notch	Stand Contents In PPM							Remarks
In inch In cm	In Lpm	Start	5 Min	10 Min	15 Min	30 Min	60 Min	
34"	1930	900	400	350	200	150	cl	

Contractor

Rohit
J. E.

J.E.
A. E.

E.E.
E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice **150x125**

Taste of water **Sweet**

Date of Test **14-08-17**

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.	
10	1487	10.60	12.40	1.80	Tr	cl	cl	cl	cl	cl	cl	Recommended discharge 1800 LPM at 2.05 mt depression. Recommended Pumping plant discharge 1800 Lpm.
15	1816	10.60	12.65	2.05	Tr	cl	cl	cl	cl	cl	cl	
25	2300	10.60	12.90	2.30	50	Tr	cl	cl	cl	cl	cl	
30	2526	10.60	13.00	2.40	200	50	Tr	cl	cl	cl	cl	
40	2953	10.60	13.40	2.80	250	150	50	Tr	cl	cl	cl	

Contractor

Rohit
J. E.

J.E.
A. E.

E.E.
E. E.

CHEMICAL TEST REPORT

DATE OF TEST **746/Testing/235, 24.8.17** AGENCY **EE 1st Division, UPVN Meerut**

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour - Colourless	Hardness Temp.	Chlorides - 19		
Nitrates - 3.98	Copper	Nitride - Nil		
PH - 7.37	Iron - 0.091	Florides - 0.245		
Total Solids	Total Alkanity - 130	Amonia		
Total Dissolved Solids - 162	Sulphates - 8.79			
Fixed Solids	Calcium			
Total Hardness (CaCo ₃) - 86	Megnecium			
Permanent Hardness	Turbidity - 6.71			

Rohit
J. E.

J.E.
A. E.

E.E.
E. E.