

**JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT
Completion Plan of Tube Well**

Name of Scheme Jhal Puri Ismailpur 45 Scheme Spring water level inc. Mtrs 6.20
 Total No. of Tube well Provided in the Scheme Two Size of Bore in M.M. 600/500
 Number & Location of tube-well Executed No. 2 Bihari garh Dabit comlund of two.....
 Name of Contractor M/s. Pioneer Drilling Co. (P) Ltd. GZB. Date of Completion of T.W. 29-1-15

Depth B. GL Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
0-3	Surface soil		0.49	1. Drilling Started..... 21-10-14
3-13	Sandy clay		21.78	2. Drilling Completed..... 19-11-14
13-20	Fine sand		34.87	3. Lowering on..... 27-11-14
20-28	Clay with kankar		46.50	4. Drilling Depth..... 141.25 M
28-37	Medium sand boulder		46.65	5. 300mm Dia Housing Pipe. Plain 41.58 M
37-43	Clay		61.11	" " " " Slotted 5.97
43-47	Fine sand		64.04	6. 300mm Dia Reducer..... 0.15 M
47-59	Clay		75.98	7. 200mm Dia Blind Pipe..... 60.02 M
59-64	Boulder with med. sand		81.92	8. 200mm Dia Slotted Pipe..... 27.10 M
64-76	Clay with kankar		91.22	9. Discharge by Compressor..... 1134 LPM
76-82	Boulder with med. sand		100.17	10. Discharge by O.P. Unit..... 1500
82-90	Clay with boulder		116.27	11. Remark if any:-
90-102	Boulder with med. sand		118.23	MAKE OF SUB. PUMP - KSB
102-104	Clay with boulder		124.04	DISCHARGE - 1500 LPM
104-110	Boulder with fine sand		129.96	HEAD - 46 mt.
110-115	Clay		135.77	H.P - 25 HP
115-120	Boulder with med. sand			LENGTH + SIG OF
120-123	Boulder with clay			COLUMN PIPE - 150 mm φ
123-130	Med. Sand with boulder			30 mt.
130-141.25	Clay with boulder			

As Executed Countersigned

[Signature] *[Signature]*
 Contractor A. E. E. E.
 J. E.

YIELD TEST OF BY COMPRESSOR

Date of Test 7-1-15 Static W/L 6.20 Taste of Water. SWEET

Discharge by V. Notch	Sand Contents In PPM							Remarks
	In cm.	In Lpm	Start	5 Min	10 Min	15 Min	30 Min	
7"	1134	3500	1200	700	300	150	50	

As Executed Countersigned

[Signature] *[Signature]*
 Contractor A. E. E. E.
 J. E.

YIELD TEST REPORT

Site of office - 200150212

Static W/L.....6.10.....mt

Taste of water.....SWEET.....

Date of Test.....29-1-15.....

Time	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	20M.	30M.	
7"	1552	6.10	11.90	5.80	140	40	10	Tr	Tr	cl	Recommended discharge <u>1500</u> LPM at <u>5.80</u> mt depression. Recommended Pumping plant discharge.....Lpm.
9"	1760	6.10	12.05	5.95	190	100	40	10	Tr	cl	
12"	2044	6.10	12.10	6.50	260	160	80	40	10	cl	
16"	2347	6.10	13.72	7.62	360	200	120	80	30	Tr	

~~Contractor~~

J. E.
J. E.

A. E.

E. E.

VERTICALITY TEST REPORT

DIA of Disc..... Dia of HOUSING..... DATE OF TEST.....

Height of Suspension.....

Clear

DEPTH OF Disc	Observed Deviation				Actual Deviation				
	BGL in MTC	E	W	N	S	E	W	N	S

Circle Diagram

CLEAR SPACE.....At.....

.....At.....

CHEMICAL TEST REPORT

DATE OF TEST 4-2-15

AGENCY EE, FIRST DIV, UPJN, MEERUT

	Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour	<u>Colourless</u>	Hardness Temp.		Chlorides	<u>10</u>
Nitrides	<u>Nil</u>	Copper		Nitrate	<u>5.31</u>
PH	<u>7.56</u>	Iron	<u>0.030</u>	Flouridus	<u>0.125</u>
Total Solids		Total Alkanity	<u>270</u>	Amonia	
Dissolved Solids	<u>281</u>	Sulphates	<u>4.60</u>	<u>Residual Chlorine - Nil</u>	
Fixed Solids		Calcium			
Total Hardness (C.Co.)	<u>160</u>	Megnecium			
Permanent Hardness		Turbidity			

Draughts Man

J. E.
J. E.

A. E.

E. E.