

# JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

## Completion Plan of Tube Well

Name of Scheme LAKHNAU 4/3/14 Spring water level In. Mtrs 25.30  
 Total No. of Tube well Provided in the Scheme 2 Nos Size of Bore in M.M. 67.5 X 55.0 mm  
 Number & Location of tube-well Executed 1st Near Brewery Girls School Date of Completion of T.W. 21-09-14  
 Name of Contractor Praveer Drilling Co (PVT) LTD GZB.

Depth B. GL Meter	Boring Chart with representation	Stratum	Executed Assembly		ABSTRACT
0-12.30m		Clay			1. Drilling Started <u>04/05/14</u>
21.34m		Med. Sand			2. Drilling Completed <u>17/05/14</u>
30.28m		F. Sand	42.98		3. Lowering on <u>19/05/14</u>
32.64m		Sand & Boulder			4. Drilling Depth <u>32.56</u> M
42.85m		F. Sand			5. <u>300mm</u> Dia Housing Pipe <u>47.48</u> M
47.83		Sandy Clay			6. <u>300 X 200mm</u> Dia Reducer <u>0.10</u> M
51.85m		Clay	47.98	47.98	7. <u>200mm</u> Dia Blind Pipe <u>21.98</u> M
60.28m		M. Sand	5.20	41.58	8. <u>200mm</u> Dia Slotted Pipe <u>70.08</u> M
64.02m		M to F. Sand	8.02	52.78	9. Discharge by Compressor <u>15.12</u> LPM
70.28m		F. Sand	9.90	60.80	10. Discharge by O.P. Unit <u>1800</u> LPM
76.28m		M. Sand		70.70	11. Remark if any:-
88.47		M. Sand	22.06	47.98	1. Make - WPIL
94.52m		Coarse Sand		92.76	2. Discharge - 1800 LPM
100.60m		Sandy Clay	5.98	98.74	3. Head - 55 Mt.
108.76m		Clay			4. Stage - 3
122.86m		Sandy Clay			5. Column pipe - 150mm x 30mt. length
					6. HP - 35

As Executed

*[Signature]*  
Contractor

*[Signature]*  
J. E.

*[Signature]*  
A. E.

Countersigned  
*[Signature]*  
E. E.

### YIELD TEST OF TW BY COMPRESSOR

Date of Test 16-06-14 Static W/L 25.30 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	60 Min	
20	1512	0	800	700	600	500	250	

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**YIELD TEST REPORT**

Static W/L 25.30

Taste of water SWEET

Date of Test 21-08-14

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.	25 M.	30M.	
	3300	25.30	30.30	5.00	350	300	200	150	Tr	Tr	Cl	Recommended discharge <u>1800</u> LPM at <u>45</u> mt depression.  Recommended Pumping plant discharge <u>1800</u> Lpm.
	3028	25.30	30.22	4.92	300	250	150	100	Tr	Cl	Cl	
	2074	25.30	30.00	4.70	150	100	50	Cl	Cl	Cl	Cl	
	1816	25.30	29.80	4.50	Tr	Cl	Cl	Cl	Cl	Cl	Cl	

*[Signature]*  
Contractor

*[Signature]*  
J. E.

*[Signature]*  
A. E.

*[Signature]*  
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			
	E	W	N	S	E	W	N	S
BGL In MTC.								

Circle Diagram

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

**CHEMICAL TEST REPORT**

DATE OF TEST

AGENCY EE Ist Khand U.P.J.N. Meerut

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour	Hardness Temp.	Chlorides	<u>20</u>	
Nitrates	Copper	Nitrate	<u>13.73</u>	
PH <u>7.95</u>	Iron <u>0.1</u>	Flouridus	<u>0.142</u>	
Total Solids	Total Alkanity <u>320</u>	Amonia		
Dissolved Solids <u>336</u>	Sulphates <u>7.68</u>			
Fixed Solids	Calcium			
Total Hardness (Ca.Co.) <u>168</u>	Megnecium			
Permanent Hardness	Turbidity <u>2.92</u>			