

JAL NIGAM YANTRIK KHAND U.P. JAL NIGAM MEERUT

Completion Plan of Tube Well

Name of scheme Gangpur w/s. scheme Dist. Shauli Spring water level in Mtrs. 18.30 M

Total No. of tube well provided in the scheme.....5..... Size of Bore in M.M. 675 X 600

Number & Location of tube-well executed. NE. 6 X O.H.T. T.W. N. 1 Date of Completion of T.W. 14.02.2014

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

Depth B.G.L. in Meter	Boring Chart with representation	Stratum	Executed Assembly	ABSTRACT
GL. — 13.72 M		clay		1. Drilling Started... <u>05-12-2013</u>
13.72 — 19.82		F. Sand		2. Drilling Completed... <u>13-12-2013</u>
19.82 — 28.96		clay		3. Lowering on... <u>16-12-2013</u>
28.96 — 35.06		M. Sand		4. Drilling Depth... <u>147.86</u>M
35.06 — 47.25		clay		5. <u>300</u> ...mm dia Housing Pipe... <u>57.07</u> ...M <u>300 mm</u> \varnothing Slotted pipe <u>11.50</u> M
47.25 — 56.40		M. Sand		6. <u>300 X 200</u> mm dia Reducer Pipe... <u>0.0</u>M
56.40 — 59.45		clay		7. <u>200</u> ...mm dia Blind Pipe... <u>2.2.40</u>M
59.45 — 65.55		M. Sand		8. <u>200</u> ...mm dia Slotted Pipe... <u>15.19</u>M
65.55 — 71.64		clay		9. Discharge by Compressor... <u>15.77</u>LPM
71.64 — 80.79		F. Sand		10. Discharge by O.P. Unit... <u>2050</u>LPM
80.79 — 89.94		clay		11. Remark if any:- <u>Detail of Pumping plant</u>
89.94 — 92.99		F. Sand		<u>Make - VARUNA</u>
92.99 — 100.00		M. Sand		<u>Discharge - 2000 LPM</u>
100.00 — 106.71		clay		<u>Head - 54 M</u>
106.71 — 108.23		F. Sand		<u>H.P. - 40</u>
108.23 — 123.47		clay		<u>Glumon Pipes - 150mm \varnothing X 30 M.</u>
123.47 — 129.57		F. Sand + clay		
129.57 — 138.72		clay		
138.72 — 144.82		clay		
144.82 — 147.86		Sandy clay		

Countersigned

M/s Pioneer Drilling Co. P. LTD. (Rohit Patel) J. E.
GZB.

(D.K. Goel) A. E.

(Jagdeo Singh) E. E.

YIELD TEST OF TW BY COMPRESSOR

Date of Test 30-01-2014 Static W/L 18.30M 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	
8"	1577	150	50	Tr	cl	cl	cl	

M/s Pioneer Drilling Co. Contractor (Rohit Patel) J. E. (D.K. Goel) A. E. (Jagdeo Singh) E. E.

YIELD TEST REPORT BY O.P. UNIT

Size of orifice 150x125 mm Taste of water Sweet Date of Test 12-02-2014

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.		
50	3300	18.30	23.30	5.00	400	200	150	100	Tr	cl.	cl.	Recommended discharge 2000 LPM at 4.50mt depression. Recommended Pumping plant discharge.....Lpm.	
35	2748	18.30	23.05	4.75	300	200	100	50	cl	cl	cl		
25	2301	18.30	22.90	4.60	200	150	100	Tr	cl	cl	cl		
20	2074	18.30	22.80	4.50	Tr	cl	cl	cl	cl	cl	cl.		

M/s Pioneer Drilling Co. Contractor (Rohit Patel) J. E. (D.K. Goel) A. E. (Jagdeo Singh) E. E.

CHEMICAL TEST REPORT

DATE OF TEST 20-02-2014 AGENCY EE Ist. U.P. Jal Nigam, Meerut

Mg/Lit	mg/Lit	mg/Lit	mg/Lit	Remarks
Colour Turbidity 10.3	Hardness Temp.	Chlorides 24.50		
Nitrates 7.53	Copper	Nitride NIL		
PH 7.83	Iron 0.1	Florides 0.155		
Total Solids	Total Alkany 260	Amonia		
Dissolved Solids 341	Sulphates 32.64	Res. Chlorine - NIL		
Fixed Solids	Calcium			
Total Hardness (CaCo3) 160	Megnecium			
Permanent Hardness	Turbidity			

(Rohit Patel) J. E. (D.K. Goel) A. E. (Jagdeo Singh) E. E.