

Office of The Executive Engineer IIIrd Const. Division (E/M) U.P. Jal Nigam, Faizabad

Completion plan of BARAUSA T.W. 1 T.W. at BARAUSA Distt. SULTANPUR.
 Name of Yozana/T.W. No. & Location N.R.W.S.P.

(Not to Scale)

Detail of Strata

Detail of Lowring

G		L
	6.00	0.50 M
0.0 - 3.00 Surface clay	4.10	5.50 M BGL
3.0 - 23.00 clay	4.74	9.60
23.0 - 33.00 Fine Sand	5.00	14.34
33.0 - 68.00 clay Kanwar	5.68	19.34
68.0 - 78.00 Fine Sand	6.00	25.02
78.0 - 91.00 clay Kanwar	5.66	31.02
91.0 - 94.00 Fine Sand	0.20	36.68
94.0 - 99.00 clay Kanwar	6.00	36.88
99.0 - 109.00 Fine Sand	6.00	42.88
109.0 - 120.00 clay Kanwar	6.01	48.88
	4.80	54.89
	5.87	59.69
	5.99	65.56
	5.99	71.55
	6.01	77.54
	1.20	83.55
	6.00	84.75
	3.00	90.75
	5.98	93.75
	6.01	99.73
	3.00	105.74
	3.00	108.74
	3.00	111.74

- Size of drilling depth - 675 mm - 45.0 M
- Drilling by ^{Pvt} depth Rig - 550 mm - 75.0 M
- Drilling started on - M/s Hanish Chandra G.K.P.
- Drilling completed on - 31.7.12
- Date of Logging - 09.08.12
- Date of lowring - 09.08.12
- Total housing pipe 12" ϕ - 13.08.12
- Total plain pipe 6" ϕ - 37.18 M
- Total slotted pipe 6" ϕ - 50.87 M
- Size of assembly lowered - 23.99 M
- Size of drilling - 300 x 150 mm
- Static water level - 675 x 550 mm
- Size of reducer 12" x 6" - 0.20 M
- Sounding after lowring - 112.34

LOGGING REPORT.

- 65.0 - 78.0 - 13.0 M
- 90.0 - 94.00 - 4.0 M
- 97.0 - 110.0 - 13.0 M

120.00 M

M/s Hanish Chandra & Son
 Manager

(P. K. SRIVASTAVA)
 Junior Engineer
 III Conts. Divi (E/M)
 U.P. Jal Nigam Faizabad

(SANTOSH KUMAR)
 Assistant Engineer
 III Conts. Divi (E/M)
 U.P. Jal Nigam Faizabad

(A.K. Saxena)
 Executive Engineer
 III Conts. Divi (E/M)
 U.P. Jal Nigam Faizabad

OFFICE EXECUTIVE ENGINEER CONSTRUCTION DIVISION-1 U.P. JAL NIGAM RAI
Physical and Chemical Analysis of Water Sample
DISTRICT LAB (RAHI) RAE BARELI

TEST REPORT

Reference Letter No. 219/12 District अजमेर
Source of Sample (Hand Pump or Tube Well) T/W Tahsil सुन्तानपुर
Source Condition Block
Date of Sampling 21/9/12 Gram Panchayat
Date of Testing 19/10/12 Revenue Village (Sensus Code)
Name of Sample Collector श्री रघुवर शर्मा Habitation
Name of Junior Engineer श्री राम ललित Year of Installation of Source
Name of Place करोसा माल झुप

Sl. No.	Characteristics	Result	Physical and Chemical		Remarks
			Acceptable	Cause for Rejection	
	<u>PHYSICAL TEST</u>				
1.	Colour	Colourless	IONTU Unobjectionable 7.0 to 8.5	25 NTU Unobjectionable <6.5 to 9.2>	
2.	Odour	Odourless			
3.	Ph	7.7.....			
	<u>CHEMICAL TEST</u>				
4.	Total Dissolved Solid	645.....	500	1500	
5.	Total Hardness as "CaCO3"	210.....	200	600	
6.	Chloride as "Cl"	40.....	200	1000	
7.	Fluoride as "F"	1.2.....	1.00	1.50	
8.	Nitrates as "NO3"	—.....	45	>45	
9.	Nitrites as "NO2"	Nil.....	Nil		
10.	Iron as "Fe"	0.1.....	0.10	0.10	
11.	Alkalinity	360.....			
12.	Residual Chlorine (P.P.M.)	Nil.....			
13.					

Test Conducted by [Signature]

Assistant Engineer
Construction Division-1
U.P. Jal Nigam Rae Bareli



UTTAR PRADESH JAL NIGAM

6, Rana Pratap Marg, Lucknow

Telephone 0522- 2230712

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39

Geophysical Borehole Logging Report

Name of the site:

Barausa T/w-1

District

Sultanpur

Date

09.08.2012

Depth logged

118.0

Depth drilled

120.0 / mbgl

Logger used

AXWS

Presence

Er. P. K. Srivastava, J.E.

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1.	65.0 - 78.0	13.0	} → Good
2.	90.0 - 94.0	4.0	
3.	97.0 - 110.0	13.0	
	/	/	/

Note.

(Dr. R. A. Yadav)
Manager (Ground Water)

Copy

1. C.E. (E/M), U.P. Jal Nigam, Lucknow
 2. E.E., III rd. C.D. (E/M), U.P. Jal Nigam, Faizabad
- for information and necessary action

Manager (Ground Water)

OFFICE OF THE EXECUTIVE ENGINEER, III CONSTRUCTION DIVISION (E/M), U.P. JAL NIGAM, FAIZABAD
TEST REPORT OF T.W. DEVELOPMENT BY 250 P.S.I. COMPRESSOR

1. Name of T.W. :- **BARAUSA T.W. No 1.**
2. Name of Scheme :- **N. R. W. S. P.**
3. Distt. :- **SULTANPUR.**
4. Date of test :- **23.08.12.**
5. Discharge measured by :- **90° V Notch Tank**
13.70 M
6. Static water level :- **105.00 M**
7. Sounding before development :- **112.50 M**
8. Sounding After Development :-

Date of test :- 23.08.12.				Sand contents in P.P.M.				Remark							
S.I. No.	Air line Lowerd in mtr.	Pressure in kg/cm ²		Depression		Discharge through 90° V-notch		Starting	AFTER						
		Starting	Running	In kg/ cm ²	In mtr.	In cm. /Inches	In L.P.M.		5 Min	10 Min	15 Min	20 Min	25 Min	30 Min	
1-	102.10 M	7.70 kg/cm ²	7.00 kg/cm ²	0.70 kg/cm ²	7.00 M	22.86/9" cm/inch	2107 LPM	8500	1800	1500	1200	700	400	250	

Note- Recommended for development by A.P. Unit

Seen

Test Conducted by

Mr. Harish Chandra Singh

(Signature)
Manager

(P. K. S. KIVASTANA)
Junior Engineer

(Signature)
(SANTOSH KUMAR)
Assistant Engineer

(Signature)
(A.K. Saxena)
Executive Engineer

40

OFFICE OF THE EXECUTIVE ENGINEER, THIRD CONSTRUCTION KHANDUWAL, U.P. JAL NIGAM FAIZABAD
YIELD TEST REPORT OF T.A. BY 3 CUSEC OF PPM

1. Name of T.W. Scheme- वर्द्धन अभियान - 1
2. Name of Dist- अलीगढ़
3. Size of Tube-well- 300mm x 150mm
4. Column Assembly Lowered- 21 m
5. Static water level- 13.20 m
6. Taste of water- Sweet
7. Air line loss recd- 21 m
8. Sounding of Tubewell 110.35m
9. Date of Testing- 5.9.12

S.NO	Discharge through 90° "V" Notch tank		S.W.L in meters	R.W.L in meters	Depression in meters	Sand contents in P.P.M								Remark
	Inches	L.P.M.				Starting	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.	30 Min.		
1.	7½	1346	13.20	17.05	3.85	200	100	50	Tr	Tr	U	U		
2.	7"	1142	13.20	16.55	3.35	50	Tr	Tr	U	U	U	U		
3.	6¾	1035	13.20	16.05	2.85	Tr	U	U	U	U	U	U		

Note- Recommended Discharge 1000 LPM at 3.85 mtr. Depression.

Test Conducted by

Ram Lalit
(Ram Lalit)
Junior Engineer
3rd const. division
(E/M) Faizabad

(Aavind Singh)
Asst. Const. Div.
UP Jal Nigam
Sultanpur

(Suresh Kumar)
Asst. Engineer
3rd const division
(E/M) Faizabad

Seen
(A.K. Saxena)
Executive Engineer