



U.P. JAL NIGAM (URBAN) JHANSI  
CHEMICAL ANALYSIS OF WATER

22

3

Report No	C-52	C-53	C-54	C-55	C-56
Reference:	Construction Unit UP Jal Nigam, Lucknow	Pratap St. Madhya E. English Medium School, Mathia Gany Bareilly Dist. Bareilly	Nil Report 15-10-22	PM. Consult Unit UP JNigam, Lucknow	Support - C.H.C. Bareilly / G.O. No. 1010/22
Name of Division:	Self	Medium School, Mathia Gany Bareilly Dist. Bareilly	UP Jal Nigam, Lucknow	Jhansi	UP Jal Nigam, Lucknow
Source of Sampling:	45 BLD Plant (W.P.)	Bore Well	Bore Well	110 MLD Treatment Plant, Lucknow	Bore Well (C.A.S.)
Village	UP Jal Nigam, Lucknow	Jhansi	Bareilly (Hansha)		
Code No.					
Block					
Dist	Jhansi	Jhansi	Lalitpur	Lalitpur	Lalitpur
Name and designation of Sample Collector	Dr. Kameshwar Kumar	Mr. V. Krishna	Dr. Smita Jain	Dr. Kameshwar Kumar	Dr. Kameshwar Kumar
Date & Time of Sampling	1-10-22 at 16:00 hr	6-10-22 at 14:00 hrs	15-10-22	15-10-22	18-10-22 13:35 hrs
Sampled in, Laboratory	1-10-22 To 6/10/22	6-10-22 To 6/10/22	15-10-22	15/10/22	18-10-22
Date of Analysis			15-10-22 To 20-10-22	15/10/22 To 20/10/22	18-10-22 To 21/10/22
<b>(A) CHEMICAL ANALYSIS</b>					
1- Total Dissolved Solids	130	550	800	130	990
2- Chloride (as Cl)	91	20	26	70	95
3- Total Hardness (as CaCO <sub>3</sub> )	115	286	228	115	425
(a) Calcium (as Ca)	296	816	98	30	120
(b) Magnesium (as Mg)	936	192	18	96	324
4- Alkalinity as CaCO <sub>3</sub> to					
(a) Phenolphthene	0.0	0.0	0.0	0.0	0.0
(b) Methyl Orange	130	340	390	130	464
5- Oxygen absorbed from KMnO <sub>4</sub>					
(a) in 3 Mts at RT					
(b) in 3 Hours at 37 °C					
6- Nitrate (as NO <sub>3</sub> )	0.2	16.0	4.0	0.2	24
7- Dissolved Oxygen	7.4	6.8	7.0	7.2	6.5
8- Fluoride (as F)	0.1	0.4	0.2	0.2	0.2
9- Sulphate (as SO <sub>4</sub> )					
10- Residual Chlorine	0.4	14.0	0.0	0.6	0.0
11- Conductivity					
12- Iron (as Fe)	0.05	0.1	0.1	0.1	0.1
13- Nitrite (as N)	0.0	0.0	0.0	0.0	Trace
14					
15					
<b>B PHYSICAL EXAMINATION</b>					
a. Taste					
b. Colour	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Slightly Brownish
c. Odour	Colorless	Colorless	Colorless	Colorless	Colorless
d. Turbidity	0.5	0.1	0.7	0.1	0.2
e. pH	7.4	7.4	7.4	7.6	7.4
f. Appearance of Total Solids	140 Clearing	140 Clearing	140 Clearing	140 Clearing	No clearing
Residue on Ignition					
Remarks	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Trace
Signature	UP Jal Nigam, Lucknow	Satisfactory	Satisfactory	Satisfactory	Satisfactory





# OFFICE OF THE PROJECT MANAGER, CONSTRUCTION UNIT, U.P. JAL NIGAM (URBAN) JHANSI CHEMICAL ANALYSIS OF WATER

Report No.	C-42	C-43	C-44	C-45	C-46
Reference:	25/7/2022	26/7/2022	28/7/2022	11-8-22	15-8-22
Name of Division:	Water Supply	Water Supply	Water Supply	Water Supply	Water Supply
Source of Sampling:	Hand	Hand	Hand	Hand	Hand
Village	Jhansi	Jhansi	Jhansi	Jhansi	Jhansi
Code No.					
Block					
Dist	Jhansi	Jhansi	Jhansi	Jhansi	Jhansi
Name and designation of Sample Collector	Subodh Kumar	Subodh Kumar	Subodh Kumar	Subodh Kumar	Subodh Kumar
Date & Time of Sampling	25/7/2022	26/7/2022	28/7/2022	11-8-22	15-8-22
Sample recd. in Laboratory	26/7/2022	28/7/2022	31/8/22	15-8-22	15-8-22
Date of Analysis	26/7/2022	28/7/2022	31/8/22	15-8-22	15-8-22
<b>(A) CHEMICAL ANALYSIS</b>					
1- Total Dissolved Solids	Mg/Lit	160	150	700	700
2- Chloride (as Cl)	Mg/Lit	10	10	9	16
3- Total Hardness (as CaCO <sub>3</sub> )	Mg/Lit	94	90	248	284
(a) Calcium (as Ca)	Mg/Lit	60	56.224	40	63.2
(b) Magnesium (as Mg)	Mg/Lit	31.68	8.16	36.5	70.24
4- Alkalinity as CaCO <sub>3</sub> to					
(a) Phenolphthaleine	Mg/Lit	0.0	0.0	0.0	0.0
(b) Methyl Orange	Mg/Lit	124	122	122	122
5- Oxygen absorbed from KMnO <sub>4</sub>					
(a) in 3 Mts at RT	Mg/Lit	-	-	-	-
(b) in 3 Hours at 37 °C	Mg/Lit	-	-	-	-
6- Nitrate (as NO <sub>3</sub> )	Mg/Lit	4.8	4.8	2.4	24.0
7- Dissolved Oxygen	Mg/Lit	-	-	0.2	0.2
8- Fluoride (as F)	Mg/Lit	1.0	0.2	0.6	0.6
9- Sulphate (as SO <sub>4</sub> )	Mg/Lit	-	-	-	-
10- Residual Chlorine	Mg/Lit	0.0	0.0	0.0	0.0
11- Conductivity	micro mhos	-	-	-	-
12- Iron (as Fe)	Mg/Lit	0.1	0.1	0.0	0.0
13- Nitrite (as NO <sub>2</sub> )	Mg/Lit	-	-	-	-
14		Taste	0.0	0.0	0.0
15					
<b>B PHYSICAL EXAMINATION</b>					
<b>a. Taste</b>					
b Colour	Scale	0.0	0.0	0.0	0.0
c Odour	Scale	0.0	0.0	0.0	0.0
d Turbidity	NTU	0.9	0.9	0.5	1.0
e pH		7.6	7.6	7.4	7.4
<b>f Appearance of Total Solids</b>					
Residue on ignition		No Churny	No Churny	No Churny	No Churny
Remarks		Instability (Hard)	Instability (Hard)	Instability (Hard)	Instability (Hard)
Signature					



# OFFICE OF THE PROJECT MANAGER, CONSTRUCTION UNIT, U.P. JAL NIGAM (URBAN) JHANSI CHEMICAL ANALYSIS OF WATER

Report No.:	C-33	C-34	C-35
Reference:	C-33	C-34	C-35
Name of Division:	गौरीगढ़ नगर पंचायत-रस्ता-डी खोरा	गौरीगढ़ नगर पंचायत-रस्ता-डी खोरा	गौरीगढ़ नगर पंचायत-रस्ता-डी खोरा
Source of Sampling:	रस्ता-डी खोरा	रस्ता-डी खोरा	रस्ता-डी खोरा
Village:	रस्ता-डी खोरा	रस्ता-डी खोरा	रस्ता-डी खोरा
Code No.:	रस्ता-डी खोरा	रस्ता-डी खोरा	रस्ता-डी खोरा
Block:	रस्ता-डी खोरा	रस्ता-डी खोरा	रस्ता-डी खोरा
Diast:	रस्ता-डी खोरा	रस्ता-डी खोरा	रस्ता-डी खोरा
Name and designation of Sample Collector:	रस्ता-डी खोरा	रस्ता-डी खोरा	रस्ता-डी खोरा
Date & Time of Sampling:	22/05/2022	22/05/2022	22/05/2022
Sampled in Laboratory:	22/05/2022	22/05/2022	22/05/2022
Date of Analysis:	22/05/2022	22/05/2022	22/05/2022
<b>(A) CHEMICAL ANALYSIS</b>			
1- Total Dissolved solids	Mg/Lit	158	1370
2- Chloride (as Cl)	Mg/Lit	22	220
3- Total Hardness (as CaCO <sub>3</sub> )	Mg/Lit	120	410
(a) Calcium (as Ca)	Mg/Lit	28	72 (200)
(b) Magnesium (as Mg)	Mg/Lit	12	8112
4- Alkalinity as CaCO <sub>3</sub> to	Mg/Lit	0.0	0.0
(a) Phenolphthaleine	Mg/Lit	0.0	0.0
(b) Methyl Orange	Mg/Lit	140	680
5- Oxygen absorbed from KMnO <sub>4</sub>	Mg/Lit	-	-
(a) in 3 Mts at RT	Mg/Lit	-	-
(b) in 3 Hours at 37 °C	Mg/Lit	-	-
6- Nitrate (as NO <sub>3</sub> )	Mg/Lit	0.2	10
7- Dissolved Oxygen	Mg/Lit	6.1	5.4
8- Fluoride (as F)	Mg/Lit	0.3	0.5
9- Sulphate (as SO <sub>4</sub> )	Mg/Lit	0.6	N.A.
10- Residual Chlorine	micro mhos	-	-
11- Conductivity	Mg/Lit	0.1	0.1
12- Iron (as Fe)	Mg/Lit	0.0	0.0
13- Manganese (as Mn)	Mg/Lit	0.0	0.0
14			
15			
<b>B PHYSICAL EXAMINATION</b>			
a. Taste		No. Chaining	No. Chaining
b. Colour	Good clarity	Colorless	Colorless
c. Odour	Colorless	Colorless	Colorless
d. Turbidity	0.30	2.38	1.0
e. pH	7.2	7.2	7.2
f. Appearance of Total Solids	No Chaining	No Chaining	No Chaining
Residue on ignition	रस्ता-डी खोरा	रस्ता-डी खोरा	रस्ता-डी खोरा
Remarks	रस्ता-डी खोरा	रस्ता-डी खोरा	रस्ता-डी खोरा
Signature	रस्ता-डी खोरा	रस्ता-डी खोरा	रस्ता-डी खोरा



# OFFICE OF THE PROJECT MANAGER, CONSTRUCTION UNIT,

## U.P. JAL NIGAM (URBAN) JHANSI CHEMICAL ANALYSIS OF WATER

Report No.	C-28	C-29	C-30	C-31	C-32
Reference:					
Name of Division:	राँगाडर पदरका-रका डी रकांड	सकांडर गाडर पदरका-रका डी रकांड	राँगाडर 110 रका-रका डी रकांड	सकांडर गाडर 110 रका-रका डी रकांड	राँगाडर पदरका-रका डी रकांड
Source of Sampling:					
Village	रकांडर	रकांडर	रकांडर	रकांडर	रकांडर
Code No					
Block	रकांडर	रकांडर	रकांडर	रकांडर	रकांडर
Dist	सकांडर	सकांडर	सकांडर	सकांडर	सकांडर
Name and designation of Sample Collector					
Date & Time of Sampling					
Sample recd. in Laboratory	14/6/2022	14/6/2022	14/6/2022	14/6/2022	20/06/2022
Date of Analysis	14/6/2022	14/6/2022	14/6/2022	14/6/2022	20/06/2022
<b>(A) CHEMICAL ANALYSIS</b>					
1- Total Dissolved solids	Mg/Lit 174	Mg/Lit 160	Mg/Lit 172	Mg/Lit 158	Mg/Lit 174
2- Chloride (as Cl)	Mg/Lit 20	Mg/Lit 22	Mg/Lit 20	Mg/Lit 22	Mg/Lit 20
3- Total Hardness (as CaCo <sub>3</sub> )	Mg/Lit 105	Mg/Lit 120	Mg/Lit 105	Mg/Lit 120	Mg/Lit 105
(a) Calcium (as Ca)	Mg/Lit 20.8	Mg/Lit 28	Mg/Lit 22.72	Mg/Lit 32	Mg/Lit 20.8
(b) Magnesium (as Mg)	Mg/Lit 12.72	Mg/Lit 12	Mg/Lit 12.72	Mg/Lit 12	Mg/Lit 12.72
4- Alkalinity as CaCO <sub>3</sub> to					
(a) Phenolphthelene	Mg/Lit 0.0	Mg/Lit 0.0	Mg/Lit 0.0	Mg/Lit 0.0	Mg/Lit 0.0
(b) Methyl Orange	Mg/Lit 16.5	Mg/Lit 14.0	Mg/Lit 16.5	Mg/Lit 14.0	Mg/Lit 16.5
5- Oxygen absorbed from KMnO <sub>4</sub>					
(a) In 3 Mts at RT	Mg/Lit				
(b) In 3 Hours at 37 °C	Mg/Lit				
6- Nitrate (as NO <sub>3</sub> )	Mg/Lit 0.2	Mg/Lit 0.0	Mg/Lit 0.4	Mg/Lit 0.0	Mg/Lit 3.6
7- Dissolved Oxygen	Mg/Lit 0.2	Mg/Lit 6.6	Mg/Lit 0.2	Mg/Lit 3.6	Mg/Lit 0.0
8- Fluoride (as F)	Mg/Lit 0.0	Mg/Lit 0.0	Mg/Lit 0.0	Mg/Lit 0.0	Mg/Lit 0.0
9- Sulphate (as SO <sub>4</sub> )	Mg/Lit				Mg/Lit N.M.P
10- Residual Chlorine	Mg/Lit	Mg/Lit 0.8	Mg/Lit N.M.P	Mg/Lit 0.6	Mg/Lit
11- Conductivity	micro mhos				
12- Iron (as Fe)	Mg/Lit				
13-					
14-					
15-					
<b>B PHYSICAL EXAMINATION</b>					
<b>a. Taste</b>					
b. Colour					
c. Odour					
d. Turbidity	NTU 1.52	0.45	1.32	1.53	2.74
e. pH	7.6	7.2	7.6	7.2	7.6
f. Appearance of Total Solids					
Residue on ignition					
Remarks	सकांडर गाडर	सकांडर गाडर	सकांडर गाडर	सकांडर गाडर	सकांडर गाडर
Signature					



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Report No.	C-23	C-24	C-25	C-26	C-27
Reference:	01 नवम्बर-आरक्षी 101	6/6/2022	01 नवम्बर-आरक्षी 01/7/6/2022		
Name of Division:	आरक्षी-आरक्षी	आरक्षी-आरक्षी	आरक्षी-आरक्षी		
Name of Source of Sampling:	आरक्षी-आरक्षी	आरक्षी-आरक्षी	आरक्षी-आरक्षी		
Village:	आरक्षी	आरक्षी	आरक्षी		
Code No.:					
Block:					
Distt:					
Name and designation of Sample Collector:	आरक्षी-आरक्षी	आरक्षी-आरक्षी	आरक्षी-आरक्षी		
Date & Time of Sampling:	6/6/2022	6/6/2022	6/6/2022		
Sampled in Laboratory:	6/6/2022	6/6/2022	6/6/2022		
Date of Analysis:	6/6/2022	6/6/2022	6/6/2022		
<b>(A) CHEMICAL ANALYSIS</b>					
1- Total Dissolved solids	683	2099	751	174	158
2- Chloride (as Cl)	43	33	63	21	22
3- Total Hardness (as CaCo <sub>3</sub> )	250	368	248	105	120
(a) Calcium (as Ca)	32.8	54.8	27.6	20.8	28
(b) Magnesium (as Mg)	40.32	55.44	42.96	12.72	12
4- Alkalinity as CaCO <sub>3</sub> to					
(a) Phenolphthaleine	0.0	0.0	0.0	0.0	0.0
(b) Methyl Orange	670	740	637	165	140
5- Oxygen absorbed from KMnO <sub>4</sub>					
(a) in 3 Mts. at RT					
(b) in 3 Hours at 37 °C					
6- Nitrate (as NO <sub>3</sub> )	6.4	0.2	2.8	0.4	6.3
7- Dissolved Oxygen	6.8	5.8	6.8	0.6	6.3
8- Fluoride (as F)	0.45	1.0	0.6	0.1	0.0
9- Sulphate (as SO <sub>4</sub> )					
10- Residual Chlorine	Nil	Nil	Nil	Nil	1.2
11- Conductivity micro mhos					
12- Iron (as Fe)					
13- Nitrate (as NO <sub>3</sub> )	0.0	0.0	0.0		
14-					
15-					
<b>B PHYSICAL EXAMINATION</b>					
a. Taste	Not tested	Not tested (Ferroch)	Not tested		
b. Colour	Colorless	Colorless	Colorless		
c. Odour	Colorless	Colorless	Colorless		
d. Turbidity	7.6	7.4	7.4	1.33	7.2
e. pH	No Chlorine	No Chlorine	No Chlorine		
f. Appearance of Total Solids					
Residue on ignition					
Remarks	Residue on ignition not available	Residue on ignition not available	Residue on ignition not available		
Signature					



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## U.P. JAL NIGAM (URBAN) JHANSI CHEMICAL ANALYSIS OF WATER

Report No.	C-19	C-20	C-21	C-22
Reference:				
Name of Division:				
Source of Sampling:	Raw water of Treatment Plant 110 M.L.D. Babina	Supply water of 110 M.L.D. Treatment Plant Babina	Raw water of Terao 45 M.L.D. Treatment Plant Babina	Supply water of 45 M.L.D. Treatment Plant Babina
Village	Babina	Babina	Babina	Babina
Code No.				
Block	Babina	Babina	Babina	Babina
Distt	Jhansi	Jhansi	Jhansi	Jhansi
Name and designation of Sample Collector	Dr. Praveen Kumar	Dr. Praveen Kumar	Dr. Praveen Kumar	Dr. Praveen Kumar
Date & Time of Sampling				
Sample recd. in Laboratory				
Date of Analysis	1/6/2022	1/6/2022	4/6/2022	4/6/2022
<b>(A) CHEMICAL ANALYSIS</b>				
1- Total Dissolved solids	Mg/Lit	158	168	160
2- Chloride (as Cl)	Mg/Lit	20	16	18
3- Total Hardness (as CaCO <sub>3</sub> )	Mg/Lit	132	132	128
(a) Calcium (as Ca)	Mg/Lit	32	32	28
(b) Magnesium (as Mg)	Mg/Lit	12	12	12
4- Alkalinity as CaCO <sub>3</sub> to				
(a) Phenolphthaleine	Mg/Lit	0.0	0.0	0.0
(b) Methyl Orange	Mg/Lit	140	142	140
5- Oxygen absorbed from KMnO <sub>4</sub>				
(a) In 3 Mts. at RT	Mg/Lit			
(b) In 3 Hours at 37 °C	Mg/Lit			
6- Nitrate (as NO <sub>3</sub> )	Mg/Lit			
7- Dissolved Oxygen	Mg/Lit	0.3	0.2	6.3
8- Fluoride (as F)	Mg/Lit	0.0	0.0	0.0
9- Sulphate (as SO <sub>4</sub> )	Mg/Lit			
10- Residual Chlorine	Mg/Lit	0.2		
11- Conductivity	micro mhos		220	1.0
12- Iron (as Fe)	Mg/Lit	0.2	0.2	0.2
13-				
14-				
15-				
<b>B PHYSICAL EXAMINATION</b>				
<b>a. Taste</b>				
<b>b. Colour</b>				
<b>c. Odour</b>				
<b>d. Turbidity</b>	NTU			
<b>e pH</b>		7.2	7.4	7.2
<b>f Appearance of Total Solids</b>				
Residue on ignition				
Remarks	Suitable for treatment	Satisfactory	Suitable for Treatment	Satisfactory
Signature				

Satisfactory  
Colourless  
odourless  
pH 7.2

Satisfactory  
Colourless  
odourless  
pH 7.4

Satisfactory  
Colourless  
odourless  
pH 7.2

Suitable for Treatment



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CHEMICAL ANALYSIS OF WATER

03

Report No.	C-11	C-12	C-13	C-14	C-15
Reference:					
Name of Division:					
Source of Sampling:	रा. वाटर पद रस सल डी जॉट	खीरल वाटर पद रस सल डी जॉट	फिटर वाटर पद रस सल डी जॉट	सल्लाई वाटर पद रस सल डी जॉट	रा. वाटर 110 रस सल डी जॉट
Village	वकीना	वकीना	वकीना	वकीना	वकीना
Code No.					
Block	वकीना	वकीना	वकीना	वकीना	वकीना
Distt	झांसी	झांसी	झांसी	झांसी	झांसी
Name and designation of Sample Collector					
Date & Time of Sampling	18/05/2022	18/05/2022	18/05/2022	18/05/2022	18/05/2022
Sample recd. in Laboratory					
Date of Analysis	18/05/2022	18/05/2022	18/05/2022	18/05/2022	18/05/2022
<b>(A) CHEMICAL ANALYSIS</b>					
1- Total Dissolved solids	Mg/Lit	164	160	158	168
2- Chloride (as Cl)	Mg/Lit	15	20	20	16
3- Total Hardness (as CaCO <sub>3</sub> )	Mg/Lit	132	128	128	132
(a) Calcium (as Ca)	Mg/Lit	32	30	30	32
(b) Magnesium (as Mg)	Mg/Lit	12	12	12	12
4- Alkalinity as CaCO <sub>3</sub> to					
(a) Phenolphthelene	Mg/Lit	0.0	0.0	0.0	0.0
(b) Methyl Orange	Mg/Lit	144	142	142	142
5- Oxygen absorbed from KMnO <sub>4</sub>					
(a) in 3 Mts. at RT	Mg/Lit				
(b) in 3 Hours at 37 °C	Mg/Lit				
6- Nitrate (as NO <sub>3</sub> )	Mg/Lit				
7- Dissolved Oxygen	Mg/Lit	4.5	6.9	6.9	4.7
8- Fluoride (as F)	Mg/Lit	0.0	0.0	0.0	0.0
9- Sulphate (as SO <sub>4</sub> )	Mg/Lit				
10- Residual Chlorine	Mg/Lit	Nil	Nil	Nil	Nil
11- Conductivity micro mhos					
12- Iron (as Fe)	Mg/Lit	0.2	0.2	0.2	0.2
13-					
14-					
15-					
<b>B PHYSICAL EXAMINATION</b>					
a. Taste		Satisfactory		Satisfactory	
b. Colour				Colorless	
c. Odour				odorless	
d. Turbidity NTU		2.5	1.2	0.97	2.7
e pH		7.6	7.4	7.4	7.6
f Appearance of Total Solids Residue on ignition		No cleaning	No cleaning	No cleaning	
Remarks	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory For Treatment
Signature					





# OFFICE OF THE PROJECT MANAGER, CONSTRUCTION UNIT,

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CHEMICAL ANALYSIS OF WATER

0.

Report No.	C-6	C-7	C-8	C-9	C-10
Reference:					
Name of Division:					
Source of Sampling:	सालाहि बाटर 110 रुम सल ही लॉट	रा वाटर पड रुम सल ही लॉट	सालाहि बाटर पड रुम सल ही लॉट	रा वाटर 110 रुम सल ही लॉट	सालाहि बाटर 110 रुम सल ही लॉट
Village	वकीना	वकीना	वकीना	वकीना	वकीना
Code No.					
Block	वकीना	वकीना	वकीना	वकीना	वकीना
Dist	झांसी	झांसी	झांसी	झांसी	झांसी
Name and designation of Sample Collector					
Date & Time of Sampling	04/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022
Sample recd. in Laboratory					
Date of Analysis	04/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022
<b>(A) CHEMICAL ANALYSIS</b>					
1- Total Dissolved solids	Mg/Lit				
2- Chloride (as Cl)	Mg/Lit	160	158	164	158
3- Total Hardness (as CaCo <sub>3</sub> )	Mg/Lit	20	18	18	18
(a) Calcium (as Ca)	Mg/Lit	120	128	128	128
(b) Magnesium (as Mg)	Mg/Lit	32	32.8	32	32.8
4- Alkalinity as CaCO <sub>3</sub> to					
(a) Phenolphthelene	Mg/Lit	0.0	0.0	0.0	0.0
(b) Methyl Orange	Mg/Lit	140	142	146	142
5- Oxygen absorbed from KMnO <sub>4</sub>					
(a) in 3 Mts at RT	Mg/Lit				
(b) in 3 Hours at 37 °C	Mg/Lit				
6- Nitrate (as NO <sub>3</sub> )	Mg/Lit	0.2		4.5	7.0
7- Dissolved Oxygen	Mg/Lit	6.3	7.3	4.5	7.0
8- Fluoride (as F)	Mg/Lit	0.0	0.0	0.0	0.0
9- Sulphate (as SO <sub>4</sub> )	Mg/Lit				
10- Residual Chlorine	Mg/Lit	1.2	1.2	0.4	1.8
11- Conductivity	micro mhos				
12- Iron (as Fe)	Mg/Lit	0.2	0.2		
13-					
14-					
15-					
<b>B PHYSICAL EXAMINATION</b>					
a. Taste					
b. Colour					
c. Odour					
d. Turbidity	NTU	1.0	1.5	3.60	1.6
e. pH		7.2	7.2	7.5	7.2
f. Appearance of Total Solids					
Residue on ignition					
Remarks		110 choring	110 choring	110 choring	110 choring
Signature		Satish Kumar	Satish Kumar	Satish Kumar	Satish Kumar



**OFFICE OF THE PROJECT MANAGER, CONSTRUCTION UNIT,**  
**U.P. JAL NIPAM (URBAN) JHANSI**  
**C-2 CHEMICAL ANALYSIS OF WATER**

0.

Report No	C.1	C.2	C.3	C.4	C.5
Reference					
Name of Division:	रा. वाटर पड सम. सल. डी. खोटे	खिखर वाटर पड सम. सल. डी. खोटे	सलवाहि वाटर पड सम. सल. डी. खोटे	रा. वाटर 110 सम. सल. डी. खोटे	सिंहल वाटर 110 सम. सल. डी. खोटे
Source of Sampling					
Village	वकीना	वकीना	वकीना	वकीना	वकीना
Code No					
Block	वकीना	वकीना	वकीना	वकीना	वकीना
Dist	खोशी	खोशी	खोशी	खोशी	खोशी
Name and designation of Sample Collector					
Date & Time of Sampling	04/05/2022	04/05/2022	04/05/2022	04/05/2022	04/05/2022
Sample recd. in Laboratory					
Date of Analysis	04/05/2022	04/05/2022	04/05/2022	04/05/2022	04/05/2022
<b>(A) CHEMICAL ANALYSIS</b>					
1- Total Dissolved solids	Mg/Lit	164	160	164	162
2- Chloride (as Cl)	Mg/Lit	20	22	16	20
3- Total Hardness (as CaCo <sub>3</sub> )	Mg/Lit	122	120	124	122
(a) Calcium (as Ca)	Mg/Lit	32	30	32	30
(b) Magnesium (as Mg)	Mg/Lit				
4- Alkalinity as CaCO <sub>3</sub> to					
(a) Phenolphthelene	Mg/Lit	0.0	0.0	0.0	0.0
(b) Methyl Orange	Mg/Lit	144	140	144	142
5- Oxygen absorbed from KMnO <sub>4</sub>					
(a) in 3 Mts. at RT	Mg/Lit				
(b) in 3 Hours at 37 °C	Mg/Lit				
6- Nitrate (as NO <sub>3</sub> )	Mg/Lit	0.2	0.2	0.2	0.2
7- Dissolved Oxygen	Mg/Lit	2.6	3.5	2.3	2.0
8- Fluoride (as F)	Mg/Lit	0.0	0.0	0.0	0.0
9- Sulphate (as SO <sub>4</sub> )	Mg/Lit				
10- Residual Chlorine	Mg/Lit	Nil	1.0	Nil	Nil
11- Conductivity micro mhos					
12- Iron (as Fe)	Mg/Lit	0.2	0.2	0.2	0.2
13-					
14-					
15-					
<b>B PHYSICAL EXAMINATION</b>					
a. Taste					
b. Colour					
c. Odour					
d. Turbidity	NTU	3.04	1.01	4.01	2.24
e. pH		7.4	7.2	7.5	7.4
f. Appearance of Total Solids					
Residue on ignition					
Remarks	सामान्य जल	सामान्य जल	सामान्य जल	सामान्य जल	सामान्य जल
Signature					