

NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY
 Kirtipur.

Report on Chemical Analysis of Water

Name and Address of Sender..... W. T. P. BANSBARI
 Source of Sample..... TREATED WATER
 Location of Sample..... BANSBARI
 Date and Time of Sample Collection..... 2056/11/18
 Date of Receipt..... 79
 Date of Analysis..... 99
 Lab No..... 766

Parameters	Unit	Result	Normal Level
1. Appearance	—	<u>Clear</u>	—
2. Turbidity	NTU	<u>5</u>	(5 — 25)
3. Colour	°Hazen	<u>5</u>	(5 — 50)
4. Temperature	°C	<u>16</u>	—
5. pH	—	<u>7.2</u>	(6.5 — 9.2)
6. Electrical Conductivity	μS/mS/cm	<u>120.0</u>	(400—1250)
7. Total Alkalinity	as CaCO ₃	<u>56.56</u>	—
8. P.P.H. Alkalinity	as CaCO ₃	<u>Nil</u>	—
9. PH 4.5 Alkalinity	as CaCO ₃	<u>56.56</u>	—
10. Total Hardness	as CaCO ₃	<u>48.48</u>	(100 — 500)
11. Calcium Hardness	as CaCO ₃	<u>28.28</u>	—
12. Magnesium Hardness	as CaCO ₃	<u>20.20</u>	—
13. Calcium	as Ca.	<u>11.32</u>	(75 — 200)
14. Magnesium	as Mg.	<u>4.90</u>	(<30—150)
15. Total Iron	as Fe.	<u>0.01</u>	(0.1 — 1)
16. Manganese	as Mn.	<u>/</u>	(0.05—0.5)
17. Silica	as SiO ₂	<u>/</u>	—
18. Total Ammonia	as N.	<u>0.02</u>	(0.05— 1.5)
19. Nitrite	as N.	<u>/</u>	—
20. Nitrate	as N.	<u>/</u>	(up to 10)
21. Orthophosphate	as P	<u>/</u>	—
22. Chloride	as Cl.	<u>7.68</u>	(up to 250)

Comments :

Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/L unless otherwise specified and except PH

Prepared by

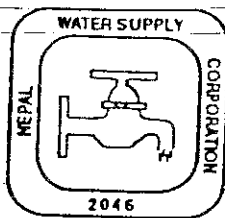
Date:

[Handwritten Signature]

[Handwritten Signature]
 Microbiologist

Chief
 (Central Laboratory)

Date:



NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY
 Kirtipur.

Report on Chemical Analysis of Water

Name and Address of Sender..... N. W. S. C. BHAKTAPUR
 Source of Sample..... MANOHARA DUG WELL (River)
 Location of Sample..... BHAKTAPUR
 Date and Time of Sample Collection..... 2055/8/22
 Date of Receipt..... ??
 Date of Analysis..... ??
 Lab No..... 233

Parameters	Unit	Result	Normal Level
1. Appearance	—	<u>clear</u>	—
2. Turbidity	NTU	<u>10</u>	(5 — 25)
3. Colour	°Hazen	<u>5</u>	(5 — 50)
4. Temperature	°C	<u>12</u>	—
5. pH	—	<u>6.5</u>	(6.5 — 9.2)
6. Electrical Conductivity	µS/mS/cm	<u>144.0</u>	(400—1250)
7. Total Alkalinity	as CaCO ₃	<u>50.50</u>	—
8. P.P.H. Alkalinity	as CaCO ₃	<u>NL</u>	—
9. P ^H 4.5 Alkalinity	as CaCO ₃	<u>50.50</u>	—
10. Total Hardness	as CaCO ₃	<u>66.66</u>	(100 — 500)
11. Calcium Hardness	as CaCO ₃	<u>34.34</u>	—
12. Magnesium Hardness	as CaCO ₃	<u>32.32</u>	—
13. Calcium	as Ca	<u>13.74</u>	(75 — 200)
14. Magnesium	as Mg	<u>7.85</u>	(<30—150)
15. Total Iron	as Fe	<u>0.85</u>	(0.1 — 1)
16. Manganese	as Mn	<u>/</u>	(0.05 — 0.5)
17. Silica	as SiO ₂	<u>/</u>	—
18. Total Ammonia	as N	<u>0.28</u>	(0.05 — 1.5)
19. Nitrite	as N	<u>/</u>	—
20. Nitrate	as N	<u>/</u>	(up to 10)
21. Orthophosphate	as P	<u>/</u>	—
22. Chloride	as Cl	<u>7.68</u>	(up to 250)

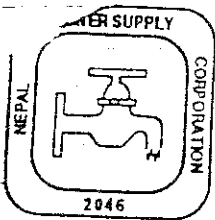
Comments

Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except P^H

Prepared by [Signature]
 Date

[Signature]
 Chief
 (Central Laboratory)



NEP, WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY



Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C
 Source of Sample..... Reservoir water: Bode (Bode Reservoir)
 Location of Sample..... Bode
 Date and Time of Sample Collection..... 05.12.2
 Date of Receipt.....
 Date of Analysis.....
 Lab No..... 795

Parameters	Unit	Result	Normal Level
1. Appearance	—	<u>S. Hazy</u>	—
2. Turbidity	NTU	<u>15</u>	(5 — 25)
3. Colour	°Hazen	<u>5</u>	(5 — 50)
4. Temperature	°C	<u>14</u>	—
5. pH	—	<u>6.3</u>	(6.5 — 9.2)
6. Electrical Conductivity	uS /mS/ cm	<u>171.0</u>	(400—1250)
7. Total Alkalinity	as CaCO ₃	<u>84.84</u>	—
8. P.P.H. Alkalinity	as CaCO ₃	<u>Nil</u>	—
9. pH 4.5 Alkalinity	as CaCO ₃	<u>84.84</u>	—
10. Total Hardness	as CaCO ₃	<u>74.74</u>	(100—500)
11. Calcium Hardness	as CaCO ₃	/	—
12. Magnesium Hardness	as CaCO ₃	/	—
13. Calcium	as Ca.	/	(75 — 200)
14. Magnesium	as Mg.	/	(<30—150)
15. Total Iron	as Fe.	<u>1.7</u>	(0.1 — 1)
16. Manganese	as Mn.	/	(0.05—0.5)
17. Silica	as SiO ₂	/	—
18. Total Ammonia	as N.	<u>1.8</u>	(0.05— 1.5)
19. Nitrite	as N.	/	—
20. Nitrate	as N.	/	(up to 10)
21. Orthophosphate	as P	/	—
22. Chloride	as Cl.	<u>19.2</u>	(up to 250)

Comments :

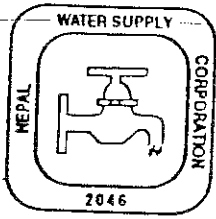
Remarks : : This report is based on the sample submitted to this Laboratory.

Notes : : The above values are expressed as mg/l. unless otherwise specified and except pH.

Prepared by

Date

Chief
 Central Laboratory
 Date 13/12/17
CHIEF
 Central Laboratory



WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY
 Kirtipur.

Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C. CENTRAL LABORATORY
 Source of Sample..... BALKHU KHOLA
 Location of Sample..... SALYANISTHAN
 Date and Time of Sample Collection..... 2056/11/12
 Date of Receipt..... ??
 Date of Analysis..... ??
 Lab No..... 749

Parameters	Unit	Result	Normal Level
1. Appearance	—	<u>Hazy</u>	—
2. Turbidity	NTU	<u>20</u>	(5 — 25)
3. Colour	°Hazen	<u>10</u>	(5 — 50)
4. Temperature	°C	<u>16</u>	—
5. pH	—	<u>7.2</u>	(6.5 — 9.2)
6. Electrical Conductivity	μS/mS/cm	<u>329.0</u>	(400—1250)
7. Total Alkalinity	as CaCO ₃	<u>121.20</u>	—
8. P.P.H. Alkalinity	as CaCO ₃	<u>Nil</u>	—
9. P ^H 4.5 Alkalinity	as CaCO ₃	<u>121.20</u>	—
10. Total Hardness	as CaCO ₃	<u>141.40</u>	(100 — 500)
11. Calcium Hardness	as CaCO ₃	<u>101.0</u>	—
12. Magnesium Hardness	as CaCO ₃	<u>40.40</u>	—
13. Calcium	as Ca.	<u>40.44</u>	(75 — 200)
14. Magnesium	as Mg.	<u>9.81</u>	(<30—150)
15. Total Iron	as Fe.	<u>1.4</u>	(0.1 — 1)
16. Manganese	as Mn.	<u>/</u>	(0.05—0.5)
17. Silica	as SiO ₂	<u>/</u>	—
18. Total Ammonia	as N.	<u>0.36</u>	(0.05— 1.5)
19. Nitrite	as N.	<u>/</u>	—
20. Nitrate	as N.	<u>/</u>	(up to 10)
21. Orthophosphate	as P	<u>/</u>	—
22. Chloride	as Cl.	<u>28.8</u>	(up to 250)

Comments :

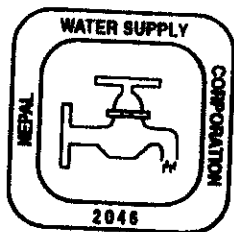
Remarks : *This report is based on the sample submitted to this laboratory.*

Notes : *The above values are expressed as mg/l, unless otherwise specified and except*

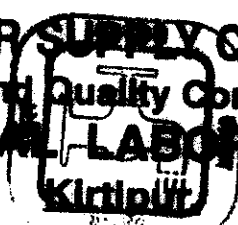
Prepared by
Date

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 (Central Laboratory)
 Kirtipur



NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY



Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C
 Source of Sample..... Balkhu Khola
 Location of Sample..... Balkhu Khola (beneath of the bridge)
 Date and Time of Sample Collection..... 056-12-2 (2000年 3月 24日)
 Date of Receipt..... "
 Date of Analysis..... "
 Lab No..... 791

Parameters	Unit	Result	Normal Level
1. Appearance	—	<u>S. Hazy</u>	—
2. Turbidity	NTU	<u>16</u>	(5 — 25)
3. Colour	°Hazen	<u>5</u>	(5 — 50)
4. Temperature	°C	<u>14</u>	—
5. pH	—	<u>7.1 ✓</u>	(6.5 — 9.2)
6. Electrical Conductivity	uS /mS/ cm	<u>250</u>	(400 — 1250)
7. Total Alkalinity	as CaCO ₃	<u>123.22</u>	—
8. P.P.H. Alkalinity	as CaCO ₃	<u>NIL</u>	—
9. PH 4.5 Alkalinity	as CaCO ₃	<u>123.22</u>	—
10. Total Hardness	as CaCO ₃	<u>141.40</u>	(100 — 500)
11. Calcium Hardness	as CaCO ₃	<u>111.10</u>	—
12. Magnesium Hardness	as CaCO ₃	<u>30.30</u>	—
13. Calcium	as Ca.	<u>44.48</u>	(75 — 200)
14. Magnesium	as Mg.	<u>7.36</u>	(<30 — 150)
15. Total Iron	as Fe.	<u>0.70 ✓</u>	(0.1 — 1)
16. Manganese	as Mn.	<u>0.015</u>	(0.05 — 0.5)
17. Silica	as SiO ₂	<u>/</u>	—
18. Total Ammonia	as N.	<u>0.64 ✓</u>	(0.05 — 1.5)
19. Nitrite	as N.	<u>/</u>	—
20. Nitrate	as N.	<u>/</u>	(up to 10)
21. Orthophosphate	as P	<u>/</u>	—
22. Chloride	as Cl.	<u>19.2</u>	(up to 250)

Comments :

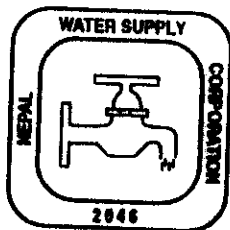
Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except pH

S. M. Shrestha
 Prepared by

Date : 056-12-11

[Signature]
 Chief
 (Central Laboratory)
 Date :



NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY



Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C
 Source of Sample..... Balkhukhola
 Location of Sample..... Near Bishan Devi Mandir
 Date and Time of Sample Collection..... 05.12.2 (2000 3 24 2)
 Date of Receipt..... "
 Date of Analysis..... "
 Lab No..... 792

Parameters	Unit	Result	Normal Level
1. Appearance	—	<u>5. Hazy</u>	—
2. Turbidity	NTU	<u>1.8</u>	(5 — 25)
3. Colour	°Hazen	<u>5</u>	(5 — 50)
4. Temperature	°C	<u>14</u>	—
5. pH	—	<u>7.2</u>	(6.5 — 9.2)
6. Electrical Conductivity	uS /mS/ cm	<u>320</u>	(400—1250)
7. Total Alkalinity	as CaCO ₃	<u>129.28</u>	—
8. P.P.H. Alkalinity	as CaCO ₃	<u>NIL</u>	—
9. PH 4.5 Alkalinity	as CaCO ₃	<u>129.28</u>	—
10. Total Hardness	as CaCO ₃	<u>151.50</u>	(100 — 500)
11. Calcium Hardness	as CaCO ₃	<u>121.20</u>	—
12. Magnesium Hardness	as CaCO ₃	<u>30.30</u>	—
13. Calcium	as Ca.	<u>48.53</u>	(75 — 200)
14. Magnesium	as Mg.	<u>7.36</u>	(<30—150)
15. Total Iron	as Fe.	<u>1.30</u>	(0.1 — 1)
16. Manganese	as Mn.	<u>0.025</u>	(0.05—0.5)
17. Silica	as SiO ₂	<u>/</u>	—
18. Total Ammonia	as N.	<u>2.4</u>	(0.05— 1.5)
19. Nitrite	as N.	<u>/</u>	—
20. Nitrate	as N.	<u>/</u>	(up to 10)
21. Orthophosphate	as P	<u>/</u>	—
22. Chloride	as Cl.	<u>28.80</u>	(up to 250)

Comments :

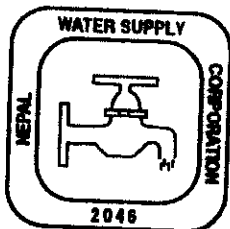
Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/L, unless otherwise specified and except PH

S. M. Alluri
Prepared by

Date : 05.12.11

[Signature]
Chief
(Central Laboratory)
Date :



NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY
 Kirtipur.
Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C
 Source of Sample..... Manohara khola
 Location of Sample.....
 Date and Time of Sample Collection..... 056.12.2 (2007 3A24B)
 Date of Receipt.....
 Date of Analysis.....
 Lab No..... 793

Parameters	Unit	Result	Normal Level
1. Appearance	—	clear	—
2. Turbidity	NTU	10	(5 — 25)
3. Colour	°Hazen	<5	(5 — 50)
4. Temperature	°C	14	—
5. pH	—	6.9	(6.5 — 9.2)
6. Electrical Conductivity	uS /mS/ cm	72.0	(400—1250)
7. Total Alkalinity	as CaCO ₃	26.26	—
8. P.P.H. Alkalinity	as CaCO ₃	Nil	—
9. PH 4.5 Alkalinity	as CaCO ₃	26.26	—
10. Total Hardness	as CaCO ₃	40.40	(100—500)
11. Calcium Hardness	as CaCO ₃	30.30	—
12. Magnesium Hardness	as CaCO ₃	10.10	—
13. Calcium	as Ca.	12.13	(75 — 200)
14. Magnesium	as Mg.	2.45	(<30—150)
15. Total Iron	as Fe.	0.50	(0.1 — 1)
16. Manganese	as Mn.	0.01	(0.05—0.5)
17. Silica	as SiO ₂	/	—
18. Total Ammonia	as N.	0.02	(0.05— 1.5)
19. Nitrite	as N.	/	—
20. Nitrate	as N.	/	(up to 10)
21. Orthophosphate	as P	/	—
22. Chloride	as Cl.	9.6	(up to 250)

Comments :

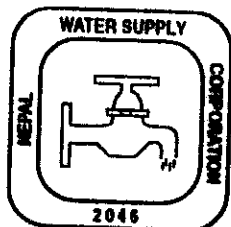
Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l. unless otherwise specified and except PH

[Signature]
 Prepared by

Date : 056.12.11

[Signature]
 Chief
 (Central Laboratory)
 Date :



नेपाल पानी
NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY
 काठमाडौं

Report on Chemical Analysis of Water

Name and Address of Sender..... *N. W. S. C. Bhaktapur*
 Source of Sample..... *Infiltration Well*
 Location of Sample..... *Manohara*
 Date and Time of Sample Collection..... *2056/12/2 (2000/3/24)*
 Date of Receipt..... *"*
 Date of Analysis..... *"*
 Lab No..... *794*

Parameters	Unit	Result	Normal Level
1. Appearance	—	<i>Clear</i>	—
2. Turbidity	NTU	<i>5</i>	(5 — 25)
3. Colour	°Hazen	<i>5</i>	(5 — 50)
4. Temperature	°C	<i>13</i>	—
5. pH	—	<i>6.4</i>	(6.5 — 9.2)
6. Electrical Conductivity	$\mu S / mS / cm$	<i>103.0</i>	(400 — 1250)
7. Total Alkalinity	as $CaCO_3$	<i>36.36</i>	—
8. P.P.H. Alkalinity	as $CaCO_3$	<i>Nil</i>	—
9. pH 4.5 Alkalinity	as $CaCO_3$	<i>36.36</i>	—
10. Total Hardness	as $CaCO_3$	<i>44.44</i>	(100 — 500)
11. Calcium Hardness	as $CaCO_3$	<i>32.32</i>	—
12. Magnesium Hardness	as $CaCO_3$	<i>12.12</i>	—
13. Calcium	as Ca.	<i>12.94</i>	(75 — 200)
14. Magnesium	as Mg.	<i>2.94</i>	(<30 — 150)
15. Total Iron	as Fe.	<i>0.10</i>	(0.1 — 1)
16. Manganese	as Mn.	<i>0.005</i>	(0.05 — 0.5)
17. Silica	as SiO_2	<i>/</i>	—
18. Total Ammonia	as N.	<i>0.02</i>	(0.05 — 1.5)
19. Nitrite	as N.	<i>/</i>	—
20. Nitrate	as N.	<i>/</i>	(up to 10)
21. Orthophosphate	as P	<i>/</i>	—
22. Chloride	as Cl.	<i>13.44</i>	(up to 250)

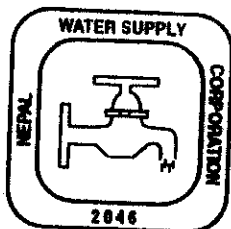
Comments :

Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except pH

Prepared by *[Signature]*
Date :

[Signature]
 Chief
 (Central Laboratory)
 Date :
Central Laboratory



NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY



Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C
 Source of Sample..... Bode Rest
 Location of Sample..... Bode
 Date and Time of Sample Collection..... 05.6.12.2 (2007 3A24D)
 Date of Receipt..... ..
 Date of Analysis..... ..
 Lab No..... 795

Parameters	Unit	Result	Normal Level
1. Appearance	—	<u>S. Hazy</u>	—
2. Turbidity	NTU	<u>15</u>	(5 — 25)
3. Colour	°Hazen	<u>5</u>	(5 — 50)
4. Temperature	°C	<u>14</u>	—
5. PH	—	<u>6.3</u>	(6.5 — 9.2)
6. Electrical Conductivity	uS /mS/ cm	<u>171.0</u>	(400—1250)
7. Total Alkalinity	as CaCO ₃	<u>84.84</u>	—
8. P.P.H. Alkalinity	as CaCO ₃	<u>NIL</u>	—
9. PH 4.5 Alkalinity	as CaCO ₃	<u>84.84</u>	—
10. Total Hardness	as CaCO ₃	<u>74.74</u>	(100—500)
11. Calcium Hardness	as CaCO ₃	<u>52.2</u>	—
12. Magnesium Hardness	as CaCO ₃	<u>22.22</u>	—
13. Calcium	as Ca.	<u>21.03</u>	(75 — 200)
14. Magnesium	as Mg.	<u>5.4</u>	(<30—150)
15. Total Iron	as Fe.	<u>1.7</u>	(0.1 — 1)
16. Manganese	as Mn.	(0.05—0.5)
17. Silica	as SiO ₂	—
18. Total Ammonia	as N.	<u>1.8</u>	(0.05— 1.5)
19. Nitrite	as N.	—
20. Nitrate	as N.	(up to 10)
21. Orthophosphate	as P	—
22. Chloride	as Cl.	<u>19.2</u>	(up to 250)

Comments :

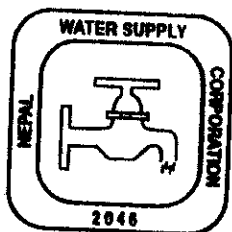
Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except PH

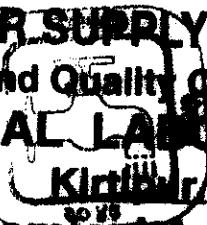
Pradip
 Prepared by

Date : 05.6.12.11

[Signature]
 Chief
 (Central Laboratory)
 Date :



NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY



Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C
 Source of Sample..... Well NO-2
 Location of Sample..... Bode
 Date and Time of Sample Collection..... 056.12.2 (2000 3A24A)
 Date of Receipt..... "
 Date of Analysis..... "
 Lab No..... 796

Parameters	Unit	Result	Normal Level
1. Appearance	—	<u>Hazy & yellowish</u>	—
2. Turbidity	NTU	<u>50</u>	(5 — 25)
3. Colour	°Hazen	<u>30</u>	(5 — 50)
4. Temperature	°C	<u>14</u>	—
5. pH	—	<u>6.1</u>	(6.5 — 9.2)
6. Electrical Conductivity	uS /mS/ cm	<u>171.0</u>	(400—1250)
7. Total Alkalinity	as CaCO ₃	<u>40.40</u>	—
8. P.P.H. Alkalinity	as CaCO ₃	<u>NIL</u>	—
9. PH 4.5 Alkalinity	as CaCO ₃	<u>40.40</u>	—
10. Total Hardness	as CaCO ₃	<u>20.80</u>	(100—500)
11. Calcium Hardness	as CaCO ₃	<u>60.60</u>	—
12. Magnesium Hardness	as CaCO ₃	<u>20.20</u>	—
13. Calcium	as Ca.	<u>24.26</u>	(75 — 200)
14. Magnesium	as Mg.	<u>4.91</u>	(<30—150)
15. Total Iron	as Fe.	<u>8.0</u>	(0.1 — 1)
16. Manganese	as Mn.	<u>/</u>	(0.05—0.5)
17. Silica	as SiO ₂	<u>/</u>	—
18. Total Ammonia	as N.	<u>2.6</u>	(0.05— 1.5)
19. Nitrite	as N.	<u>/</u>	—
20. Nitrate	as N.	<u>/</u>	(up to 10)
21. Orthophosphate	as P	<u>/</u>	—
22. Chloride	as Cl.	<u>19.2</u>	(up to 250)

Comments :

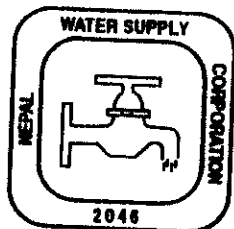
Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except PH

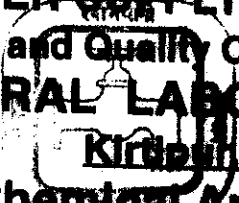
S. M. Ali
Prepared by

Date : 056.12.11

[Signature]
Chief
(Central Laboratory)
Date :



NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY



Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C
 Source of Sample..... Raw water
 Location of Sample..... Lokanigale
 Date and Time of Sample Collection..... 056.12.2 (2000 3 24 B)
 Date of Receipt.....
 Date of Analysis.....
 Lab No..... 797

Parameters	Unit	Result	Normal Level
1. Appearance	—	<u>Hazy</u>	—
2. Turbidity	NTU	<u>100</u>	(5 — 25)
3. Colour	°Hazen	<u>30</u>	(5 — 50)
4. Temperature	°C	<u>14</u>	—
5. pH	—	<u>6.8</u>	(6.5 — 9.2)
6. Electrical Conductivity	uS /mS/ cm	<u>878.0</u>	(400—1250)
7. Total Alkalinity	as CaCO ₃	<u>569.64</u>	—
8. P.P.H. Alkalinity	as CaCO ₃	<u>NL</u>	—
9. P ^H 4.5 Alkalinity	as CaCO ₃	<u>569.64</u>	—
10. Total Hardness	as CaCO ₃	<u>282.80</u>	(100 — 500)
11. Calcium Hardness	as CaCO ₃	<u>171.70</u>	—
12. Magnesium Hardness	as CaCO ₃	<u>111.10</u>	—
13. Calcium	as Ca.	<u>68.75</u>	(75 — 200)
14. Magnesium	as Mg.	<u>26.99</u>	(<30—150)
15. Total Iron	as Fe.	<u>7.0</u>	(0.1 — 1)
16. Manganese	as Mn.	<u>0.065</u>	(0.05—0.5)
17. Silica	as SiO ₂	<u>/</u>	—
18. Total Ammonia	as N.	<u>12.0</u>	(0.05— 1.5)
19. Nitrite	as N.	<u>/</u>	—
20. Nitrate	as N.	<u>/</u>	(up to 10)
21. Orthophosphate	as P	<u>/</u>	—
22. Chloride	as Cl.	<u>23.04</u>	(up to 250)

Comments :

Remarks : This report is based on the sample submitted to this Laboratory.

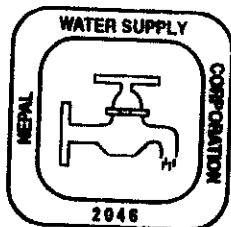
Notes : The above values are expressed as mg/l, unless otherwise specified and except pH

SmeAceri
 Prepared by

Date : 056.12.11

[Signature]
 Chief
 (Central Laboratory)
 Date :

CHIEF
Central Laboratory



NEPAL WATER SUPPLY CORPORATION

(Research and Quality Control Section)
CENTRAL LABORATORY

Kirtipur

Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C
 Source of Sample..... Treated water
 Location of Sample..... Lokanikali
 Date and Time of Sample Collection..... 2056-12-2 (2000 3A 24B)
 Date of Receipt..... "
 Date of Analysis..... "
 Lab No..... 798

Parameters	Unit	Result	Normal Level
1. Appearance	—	clear	—
2. Turbidity	NTU	5	(5 — 25)
3. Colour	°Hazen	5	(5 — 50)
4. Temperature	°C	14	—
5. pH	—	7.2	(6.5 — 9.2)
6. Electrical Conductivity	uS /mS/ cm	869.0	(400—1250)
7. Total Alkalinity	as CaCO ₃	551.46	—
8. P.P.H. Alkalinity	as CaCO ₃	NIL	—
9. PH 4.5 Alkalinity	as CaCO ₃	551.46	—
10. Total Hardness	as CaCO ₃	242.40	(100 — 500)
11. Calcium Hardness	as CaCO ₃	151.50	—
12. Magnesium Hardness	as CaCO ₃	90.90	—
13. Calcium	as Ca.	60.66	(75 — 200)
14. Magnesium	as Mg.	22.08	(<30—150)
15. Total Iron	as Fe.	1.0	(0.1 — 1)
16. Manganese	as Mn.	0.04	(0.05—0.5)
17. Silica	as SiO ₂	/	—
18. Total Ammonia	as N.	120.0	(0.05— 1.5)
19. Nitrite	as N.	/	—
20. Nitrate	as N.	/	(up to 10)
21. Orthophosphate	as P	/	—
22. Chloride	as Cl.	7.68	(up to 250)

Comments :

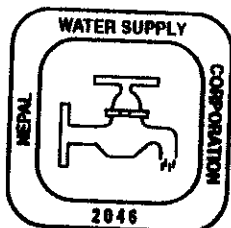
Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/L, unless otherwise specified and except pH

Smadhee
Prepared by

Date : 056 12-11

[Signature]
Chief
(Central Laboratory)
Date :



NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY

Kirtipur.

Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C
 Source of Sample..... Raw water (before filter + chlorination)
 Location of Sample..... Saenby
 Date and Time of Sample Collection..... 056.12.2 (2007 3 24 B)
 Date of Receipt.....
 Date of Analysis.....
 Lab No..... 799

Parameters	Unit	Result	Normal Level
1. Appearance	—	clear	—
2. Turbidity	NTU	<5	(5 — 25)
3. Colour	°Hazen	<5	(5 — 50)
4. Temperature	°C	13	—
5. pH	—	7.4	(6.5 — 9.2)
6. Electrical Conductivity	uS /mS/ cm	210.0	(400—1250)
7. Total Alkalinity	as CaCO ₃	121.20	—
8. P.P.H. Alkalinity	as CaCO ₃	NIL	—
9. PH 4.5 Alkalinity	as CaCO ₃	121.20	—
10. Total Hardness	as CaCO ₃	121.20	(100—500)
11. Calcium Hardness	as CaCO ₃	101.0	—
12. Magnesium Hardness	as CaCO ₃	20.20	—
13. Calcium	as Ca.	40.44	(75 — 200)
14. Magnesium	as Mg.	4.91	(<30—150)
15. Total Iron	as Fe.	0.01	(0.1 — 1)
16. Manganese	as Mn.	0.005	(0.05—0.5)
17. Silica	as SiO ₂	—	—
18. Total Ammonia	as N.	0.02	(0.05— 1.5)
19. Nitrite	as N.	—	—
20. Nitrate	as N.	—	(up to 10)
21. Orthophosphate	as P	—	—
22. Chloride	as Cl.	9.6	(up to 250)

Comments :

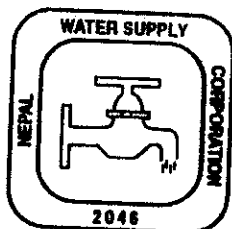
Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except PH

S. A. S.
 Prepared by

Date : 056.12.11

[Signature]
 Chief
 (Central Laboratory)
 Date : 24th March 2008
CHIEF
Central Laboratory



NEPAL WATER SUPPLY CORPORATION
 (Research and Quality Control Section)
CENTRAL LABORATORY



Report on Chemical Analysis of Water

Name and Address of Sender..... N.W.S.C
 Source of Sample..... Reservoir water
 Location of Sample..... Saenbu
 Date and Time of Sample Collection..... 056.12.2 (2000 3 24 B)
 Date of Receipt.....
 Date of Analysis.....
 Lab No..... 800

Parameters	Unit	Result	Normal Level
1. Appearance	—	clear	—
2. Turbidity	NTU	2.5	(5 — 25)
3. Colour	°Hazen	2.5	(5 — 50)
4. Temperature	°C	13	—
5. pH	—	7.3	(6.5 — 9.2)
6. Electrical Conductivity	uS /mS/ cm	214	(400—1250)
7. Total Alkalinity	as CaCO ₃	115.14	—
8. P.P.H. Alkalinity	as CaCO ₃	N/L	—
9. PH 4.5 Alkalinity	as CaCO ₃	115.14	—
10. Total Hardness	as CaCO ₃	131.30	(100—500)
11. Calcium Hardness	as CaCO ₃	103.02	—
12. Magnesium Hardness	as CaCO ₃	28.28	—
13. Calcium	as Ca.	41.25	(75 — 200)
14. Magnesium	as Mg.	6.87	(<30—150)
15. Total Iron	as Fe.	0.01	(0.1 — 1)
16. Manganese	as Mn.	0.005	(0.05—0.5)
17. Silica	as SiO ₂	—	—
18. Total Ammonia	as N.	0.02	(0.05— 1.5)
19. Nitrite	as N.	—	—
20. Nitrate	as N.	—	(up to 10)
21. Orthophosphate	as P	—	—
22. Chloride	as Cl.	9.6	(up to 250)

Comments :

Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except PH

Prepared by [Signature]

Date : 056.12.11

[Signature]
 Chief
 (Central Laboratory)
 Date : 24 March 2001
CHIEF
 Central Laboratory

NEPAL WATER SUPPLY CORPORATION

(Research and Quality Control Section)

CENTRAL LABORATORY

Kirtipur



Report On Bacteriological Analysis of Water

Name and Address of Sender..... N.W.S.C

Source of Sample..... Balkhu khola (under the bridge)

Location of Sample..... Balkhu khola

Date and Time of Sample Collection..... 056.12.2 (2000 3A 24 0)

Date of Sample Receipt..... "

Date of Analysis..... "

Lab. No..... 344

1. Coliforms..... 180..... MPN/100ml.

2. Faecal Coliforms..... NFL..... MPN/100ml.

3. Any other Bacteria..... —

Comments :-

[Signature]
Microbiologist

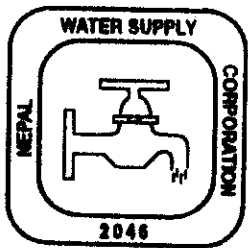
Date : 24th March 2000

Microbiologist

[Signature]
Chief
Central Laboratory

CRIF

Central Laboratory



NEPAL WATER SUPPLY CORPORATION

(Research and Quality Control Section)

CENTRAL LABORATORY



Report On Bacteriological Analysis of Water

Name and Address of Sender..... N.W.S.C

Source of Sample..... Balkhu khola

Location of Sample..... Near Bishan Devi Temple

Date and Time of Sample Collection..... 056. 12. 2 (2000 3 A. 24 A)

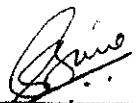
Date of Sample Receipt..... "

Date of Analysis..... "


Lab. No..... 345

- 1. Coliforms..... 180⁺..... MPN/100ml.
- 2. Faecal Coliforms..... Nil..... MPN/100ml.
- 3. Any other Bacteria..... /.....

Comments :-


Microbiologist

Date : 24th March, 2000.
Microbiologist


Chief
Central Laboratory
CNLP
Central Laboratory

NEPAL WATER SUPPLY CORPORATION

(Research and Quality Control Section)

CENTRAL LABORATORY



Report On Bacteriological Analysis of Water

Name and Address of Sender..... N.W.S.C

Source of Sample..... River water Manohara

Location of Sample..... Manohara

Date and Time of Sample Collection..... 05.12.2 (2000 ५ ३ A 24 B)

Date of Sample Receipt..... "

Date of Analysis..... "

Lab. No..... 346

1. Coliforms..... 180+ MPN/100ml.

2. Faecal Coliforms..... Nil MPN/100ml.

3. Any other Bacteria..... /

Comments :-

Microbiologist

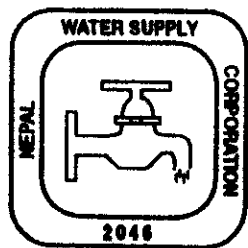
Chief
Central Laboratory

CHIEF

Central Laboratory

Date : 24th March 2000.

Microbiologist



NEPAL WATER SUPPLY CORPORATION

(Research and Quality Control Section)
CENTRAL LABORATORY
Kirtipur

Report On Bacteriological Analysis of Water

Name and Address of Sender..... N. W. S. C. BHAKTAPUR

Source of Sample..... IN-FILTRATION WELL

Location of Sample..... MANOHARA

Date and Time of Sample Collection..... 2056/12/2 (2000 7 7A 24B)

Date of Sample Receipt..... 99

Date of Analysis..... 99

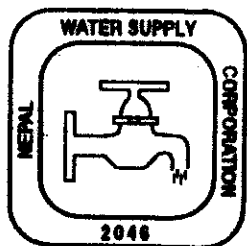
Lab. No..... 347

1. Coliforms..... Nil..... MPN/100ml.
2. Faecal Coliforms..... Nil..... MPN/100ml.
3. Any other Bacteria..... —

Comments :-

[Signature]
Microbiologist
Date : 24th March, 2000
Microbiologist

[Signature]
Chief
Central Laboratory
Central Laboratory



NEPAL WATER SUPPLY CORPORATION

(Research and Quality Control Section)
CENTRAL LABORATORY
 Kirtipur

Report On Bacteriological Analysis of Water

Name and Address of Sender..... N.W.S.C

Source of Sample..... Filtered water

Location of Sample..... Lokanihal

Date and Time of Sample Collection..... 056.12.2 (2000 3A 24B)

Date of Sample Receipt..... "

Date of Analysis..... "

Lab. No..... 348

1. Coliforms..... 160..... MPN/100ml.

2. Faecal Coliforms..... Nil..... MPN/100ml.

3. Any other Bacteria..... /

Comments :-

Microbiologist

Date: 21st March, 2000.

Microbiologist

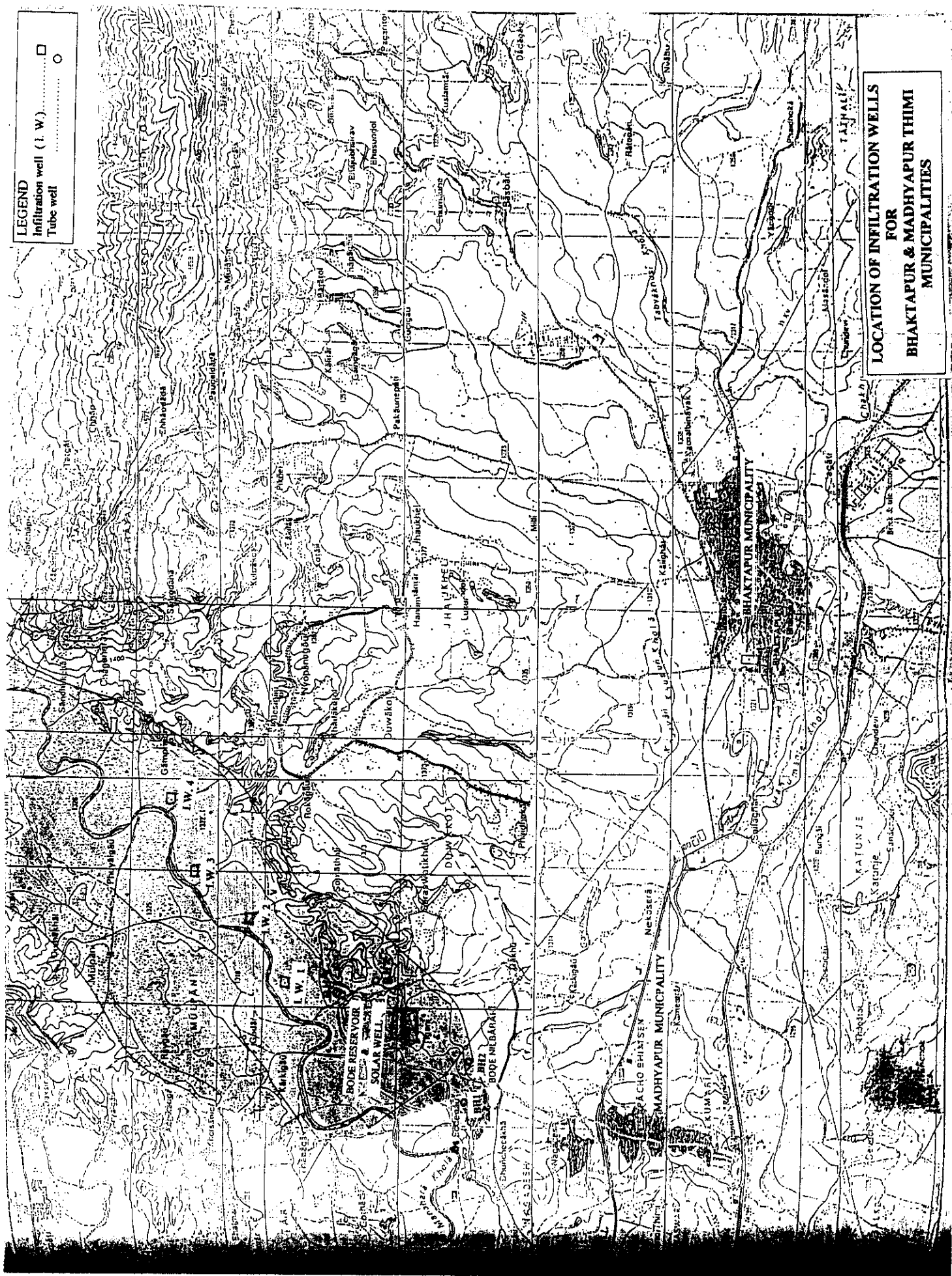
Chief

Central Laboratory

CMIP

Central Laboratory

LEGEND
 Infiltration well (I. W.) □
 Tube well ○



**LOCATION OF INFILTRATION WELLS
 FOR
 BHAKTAPUR & MADHYAPUR THIMI
 MUNICIPALITIES**

ANNEX

Report on Chemical Analysis of Water of Dug Well & Deep tube well

S.No.	Date of collection	Unit	Normal Level	Dugwell water				Well water
				25 oct. 98	24 Nov.98	055/8/12	055/8/14	
1	Appearance			Result Hazy	Result Hazy	Result Hazy	Result Clear	Result Clear
2	Turbidity	NTU	(5-25)	30	30	15	10	10
3	Colour	°Hazen	(5-50)	10	10	10	5	5
4	Temperature	°C		16	16	15	15	12
5	PH		(6.5-9.2)	6.8	6.9	7.1	6.9	6.5
6	Electrical Conductivity	uS/mS/ cm	(400-1250)	522	183	140	143	144
7	Total Alkalinity	as CaCO3		199.98	62.62	40.4	48.48	50.5
8	P.P.H. Alkalinity	as CaCO3		Nil	Nil	Nil	Nil	Nil
9	PH 4.5 Alkalinity	as CaCO3		199.98	62.62	40.4	48.48	50.5
10	Total Hardness	as CaCO3	(100-500)	212.10	70.7	72.72	72.72	60.66
11	Calcium Hardness	as CaCO3		161.60	42.42	36.36	34.34	34.34
12	Magnesium Hardness	as CaCO3		50.5	28.28	36.36	38.38	32.32
13	Calcium	as Ca.	(75-200)	64.7	16.98	14.55	13.79	13.74
14	Magnesium	as Mg.	(<30-150)	12.26	6.86	8.83	9.32	7.85
15	Total Iron	as Fe.	(0.1-1)	1.2	0.65	1.8	1	0.85
16	Manganese	as Mn.	(0.05-0.5)					
17	Silica	as SiO2						
18	Total Ammonia	as N.	(0.05-1.5)	2	1.4	0.8	0.8	0.28
19	Nitrite	as N.						
20	Nitrate	as N.	(up to 10)					
21	Orthophosphate	as P						
22	Chloride	as Cl.	(up to 250)	21.21	7.68	7.68	7.68	7.68

Ab 2.

カトマンズ盆地内NWS C水道システムの給水栓での水質

1999年3月

MONTH: CHAITRA (2055)
L1. ACTIVITIES OF LABORATORY

S.N.	Date	Sourc	App.	C	PH	Alkaliit	Iron	Amonia	Chlori	Residual Cl.	Free	Total	E.coli	Colifor	Remarks
1	055-12-1	Kapooradhara	Clear/<5	<5	6.3	70.70	0.10	0.02	19.20				22		Unsatisfactory
2	055-12-1	Dhobighat Pvt,tap	Clear/<5	<5	7.2	113.1	0.01	0.02	5.76	0.2	0.20		Nil	Nil	Excellent
3	055-12-2	Agnisala	Clear/<5	<5	7.4	115.1	0.01	0.02	7.68	0.3	0.30		Nil	Nil	Excellent
4	055-12-2	Mahapal	Clear/<5	<5	7.1	113.1	0.01	0.02	7.68	0.05	0.1		Nil	Nil	Excellent
5	055-12-2	Patangate	Clear/<5	<5	7.3	111	0.01	0.02	7.68	0.2	0.2		Nil	Nil	Excellent
6	055-12-2	Elitole L.P.	Clear/<5	<5	7.3	121.2	0.01	0.02	7.68	0.20	0.20		Nil	Nil	Excellent
7	055-12-5	Sundarighat W.T.	Clear/<5	<5	7.1	127.3	0.2	0.02	9.6	0.5	0.7		Nil	Nil	Excellent
8	055-12-5	W.T.P.Reser.Pvt.t	Clear/<5	<5	7.3	389.9	0.1	40.0	13.44	Nil	Nil		20	Nil	Unsatisfactory
9	055-12-7	Stone Sp.Dhobigh	Clear/<5	<5	6.2	86.86	0.01	0.20	28.8				0.92	Nil	Unsatisfactory
10	055-12-7	Mangalbazar	Clear/<5	<5	6.20	96.96	0.01	0.02	44.16				180+	Nil	Unsatisfactory
11	055-12-9	Marunithi	Clear/<5	10	6.40	169.7	0.1	8.00	76.8				180+	Nil	Unsatisfactory
12	055-12-9	S.S.Phasikeva	Clear/<5	10	6.90	311.1	0.2	0.02	80.6				180+	Nil	Unsatisfactory
13	055-12-9	Ranjanagalli	Clear/<5	<5	6.7	20.2	0.2	0.2	88.3	Nil	Nil		180+	Nil	Unsatisfactory
14	055-12-9	Maru Elachhen	Clear/<5	5	7.3	121.2	0.01	0.02	5.76	0.15	0.15		3	Nil	Satisfactory
15	055-12-9	Buba L.P.	Clear/<5	5	7.3	96.96	0.01	0.02	5.76	0.15	15		5	Nil	Satisfactory
16	055-12-9	Elitole	Clear/<5	5	7	90.90	0.01	0.02	5.76	0.05	0.1		18		Unsatisfactory
17	055-12-1	Lagankhel	Clear/<5	5	6.8	121.2	0.1	0.02	5.76	Nil	Trace		22		Unsatisfactory
18	055-12-1	Sundarighat	Clear/<5	5	7.1	107.1	0.01	0.02	5.76	C	0.1		14		Unsatisfactory
19	055-12-1	Bhajangal	Clear/<5	<5	7.2	107.1	0.01	0.02	5.76	Nil	0.2		5	Nil	Suspicious
20	055-12-1	Choval	Clear/<5	<5	7.2	60.6	0.01	0.02	7.68	Nil	0.2		5	Nil	Suspicious
21	055-12-1	Bhotebahal	Clear/<5	<5	7.3	127.3	0.2	0.32	5.76	0.15	0.2		18	Nil	Excellent
22	055-12-1	Kuleswor	Clear/<5	<5	7.2	115.1	0.01	0.02	5.76	0.2	0.15		0.03	Nil	Excellent
23	055-12-1	Bubahal	Clear/<5	<5	7.2	125.2	0.01	0.02	5.76	0.1	0.2		nil	Nil	Satisfactory
24	055-12-1	Jhamsikhel	Clear/<5	<5	7.4	121.2	0.01	0.02	7.68	0.05	0.1		0.03	Nil	Suspicious
25	055-12-1	Sanepa	Clear/<5	<5	7.2	109.1	0.01	0.02	7.68	0.05	0.05		0.07		Unsatisfactory
26	055-12-1	Sanepa	Clear/<5	<5	7.6	101	0.01	0.02	90	0.05	0.05		92		Unsatisfactory
27	055-12-1	Lalimbazar	Clear/<5	<5	7.4	346	0.6	0.02	7.68	Nil	0.05		54	Nil	Unsatisfactory
28	055-12-1	Ganabahal	Clear/<5	<5	10.2	131.3	0.1	12		0.4	Nil		180+	Nil	Excellent
29	055-12-1	Kirtipur	Clear/<5	<5	7.2	117.2	0.01	0.02	5.76	0.8	0.5		Nil	Nil	Excellent
30	055-12-1	Sundarighat	Clear/<5	10	7.2	105	0.8	0.02	9.6	0.15	Nil		5	Nil	Suspicious
31	055-12-1	Balkh	Clear/<5	<5	6.9	127.3	0.1	0.44	5.76	0.1	0.8		Nil	Nil	Excellent
32	055-12-19	Kuleswor	Clear/<5	<5	7.2	121.2	0.1	0.02	5.76	0.1	0.15		Nil	Nil	Excellent
33	055-12-19	Nayabasti	Clear/<5	<5	7.1	121.2	0.1	0.02	7.68	0.1	0.15		Nil	Nil	Excellent
34	055-12-22	Dhobighat	Clear/<5	<5	7.2	105	0.1	0.02	5.76	0.2	0.15		Nil	Nil	Excellent
35	055-12-22	Jawlakhel	Clear/<5	<5	6.7	125.2	0.01	0.02	5.76	0.2	0.15		Nil	Nil	Excellent
36	055-12-23	Pulchowk	Clear/<5	<5	7.5	121.2	0.01	0.02	7.68	0.15	0.2		Nil	Nil	Excellent
37	055-12-23	Kupondole	Clear/<5	<5	7.1	119.2	0.01	0.02	7.68	0.1	0.2		Nil	Nil	Excellent
38	055-12-30	Elitole	Clear/<5	<5	7.2	109.1	0.01	0.02	5.76	0.4	10.1		Nil	Nil	Excellent
39	055-12-30	Ekantakuna	Clear/<5	<5	7.2	107.1	0.01	0.02	5.76	0.1	0.4		Nil	Nil	Excellent
40	055-12-30	Ganabahal	Clear/<5	<5	7.1	111.2	0.01	0.02	5.76	0.1	0.2		Nil	Nil	Excellent

Excellent - 20

Satisfactory - 3

Unsatisfactory - 13

Suspicious - 4

Source : NWS C