

★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

| | | | |
|----------------------------------|---|----------------------|------------------------------------|
| Report No. | UERL /12/01/026 | Date Of Report | 02/02/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Station Code No. A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 25/01/2012 | Sample Received Date | 25/01/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 25/01/2012 | Test Completion Date | 01/02/2012 |
| UERL Lab Sample ID.No. 12/01/026 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 1(10) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | °C | 29 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B), | -- | mg/L | 7.6 |
| 5. | pH | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H"B) | 6.5 - 8.5 | Unit | 7.34 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | µs | 147.8 |
| 7. | BOD (3 days at 27 °C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | 8 |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO3-B) | 45 mg/l | mg/L | BDL(<0.01) |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | 0.006 |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 mg/l | mg/L | BDL(<0.005) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.01 mg/l | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | 0.04 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | BDL(<0.20) |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | BDL(<0.05) |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 mg/l | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 mg/l | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 mg/l | mg/L | 0.22 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 mg/l | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 5 NTU | NTU | 0.1 |

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TEST REPORT

| | | | |
|----------------------------------|---|----------------------|------------|
| Report No. | UERL /12/01/026 | Date Of Report | 02/02/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | |
| | | A ₃ | |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 25/01/2012 | Sample Received Date | 25/01/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 25/01/2012 | Test Completion Date | 01/02/2012 |
| UERL Lab Sample ID.No. 12/01/026 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|---------|----------------------------------|---|---------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | BDL(<5.0) |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 108 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 mg/l | mg/L | 8 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | 31 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | -- | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 300 mg/l | mg/L | 77 |
| 28. | Calcium | APHA 21 st Ed.2005,3500 Ca.B) | 75 mg/l | mg/L | 19 |
| 29. | Magnesium | APHA 21 st Ed.2005, 3500 Mg.B | 30 mg/l | mg/L | 7 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 mg/l | mg/L | 10 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | 7.0 |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 mg/l | mg/L | 130 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 80 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 10 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 0.07 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 1.0 mg/l | mg/L | BDL |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 3.3 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 mg/l | mg/L | 0.38 |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | 1.94 |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 mg/l | mg/L | 89 |
| 43. | P – Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | BDL |

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TEST REPORT

| | | | |
|----------------------------------|---|----------------------|------------|
| Report No. | UERL /12/01/026 | Date Of Report | 02/02/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | |
| | | A ₃ | |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 25/01/2012 | Sample Received Date | 25/01/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 25/01/2012 | Test Completion Date | 01/02/2012 |
| UERL Lab Sample ID.No. 12/01/026 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|---------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyrifos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carboryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, Colour = 1(10) = 10 Hazen Unit,

***** End of Report *****

Tested By

(N.P. Patel)
(Chemist)

Checked By

(N.B. Tandel)
(Sr. Chemist)

Authorized By

(M.S. Bhandari)
(Technical Manager)

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TEST REPORT
 (MICROBIOLOGY)

| | | | |
|----------------------------|--|----------------------|------------|
| Report No. | UERL/12/01/026 | Date Of Report | 31/01/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee, U.T. of DD & DNH, Daman | | |
| Sample Details | A-3 Water Sample | Sample Qty. | 250 ml |
| Sampling Date | 25/01/2012 | Sample Received Date | 25/01/2012 |
| Sampled By | PCC Handed over to us | Appearance Of Sample | Colourless |
| Test Started Date | 28/01/2012 | Test Completion Date | 31/01/2012 |
| UERL Lab Sample ID. No. | 12/01/026 | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 St Ed.2005,9222-B | Absent | CFU/100 ml | 9 |
| 2 | Faecal Coliform | APHA 21 St Ed.2005,9222-D | Absent | CFU/100 ml | 1 |

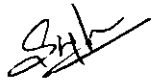
Remarks: The sample portion tested ~~does~~ / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

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***** End of Report *****

Tested By



(Sujitha Anto)
Microbiologist

Authorized By



(Ranjan Maharaj)
Sr. Microbiologist

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TEST REPORT

| | | | |
|----------------------------------|---|----------------------|------------------------------|
| Report No. | UERL/12/01/027 | Date Of Report | 02/02/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Sample Code No. A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 25/01/2012 | Sample Received Date | 25/01/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 25/01/2012 | Test Completion Date | 01/02/2012 |
| UERL Lab Sample ID.No. 12/01/027 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 10(200) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | °C | 30 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B), | -- | mg/L | 6.1 |
| 5. | pH | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H ⁺ B) | 6.5 - 8.5 | Unit | 7.42 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | µs | ADL |
| 7. | BOD (3 days at 27 °C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | 72 |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO ₃ -B) | 45 mg/l | mg/L | 2.7 |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | 0.14 |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 mg/l | mg/L | BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.01 mg/l | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | 0.10 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | BDL(<0.2) |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.26 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 mg/l | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 mg/l | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 mg/l | mg/L | 0.64 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 mg/l | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 5 NTU | NTU | 0.1 |

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TEST REPORT

| | | | |
|----------------------------------|---|----------------------|--------------|
| Report No. | UERL /12/01/027 | Date Of Report | 02/02/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 25/01/2012 | Sample Received Date | 25/01/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 25/01/2012 | Test Completion Date | 01/02/2012 |
| UERL Lab Sample ID.No. 12/01/027 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|---------|----------------------------------|--|---------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | BDL(<5.0) |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 192 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 mg/l | mg/L | ADL |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | 236 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | 8.54 |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | -- | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 300 mg/l | mg/L | 3218 |
| 28. | Calcium | APHA 21 st Ed.2005,3500 Ca.B) | 75 mg/l | mg/L | 298 |
| 29. | Magnesium | APHA 21 st Ed.2005, 3500 Mg.B | 30 mg/l | mg/L | 601 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 mg/l | mg/L | ADL |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | ADL |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540 -C), IS 3025(Part 16)1984 | 500 mg/l | mg/L | 17530 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 16260 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 70 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 2 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 1.0 mg/l | mg/L | 1.58 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 295 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 mg/l | mg/L | 1.30 |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | ADL |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 mg/l | mg/L | 157 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | BDL |

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TEST REPORT

| | | | |
|----------------------------------|---|----------------------|--------------|
| Report No. | UERL /12/01/027 | Date Of Report | 02/02/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 25/01/2012 | Sample Received Date | 25/01/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 25/01/2012 | Test Completion Date | 01/02/2012 |
| UERL Lab Sample ID.No. 12/01/027 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|---------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyriphos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carbaryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, ADL= above detection Limit, Colour = 10(200) = 200 Hazen Unit,

***** End of Report *****

Tested By

(N. P. Patel)
(Chemist)

Checked By

(N. B. Tawar)
(Sr. Chemist)

Authorized By

(M. S. Dastgir)
(Technical Manager)

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TEST REPORT
 (MICROBIOLOGY)

| | | | |
|----------------------------|--|----------------------|---------------|
| Report No. | UERL/12/01/027 | Date Of Report | 31/01/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee, U.T. of DD & DNH, Daman | | |
| Sample Details | A-8 Water Sample | Sample Qty. | 250 ml |
| Sampling Date | 25/01/2012 | Sample Received Date | 25/01/2012 |
| Sampled By | PCC Handed over to us | Appearance Of Sample | Slight Yellow |
| Test Started Date | 28/01/2012 | Test Completion Date | 31/01/2012 |
| UERL Lab Sample ID. No. | 12/01/027 | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 St Ed.2005,9222-B | Absent | CFU/100 ml | 14 |
| 2 | Faecal Coliform | APHA 21 St Ed.2005,9222-D | Absent | CFU/100 ml | 3 |

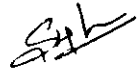
Remarks: The sample portion tested ~~does~~ / [✓] doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)


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***** End of Report *****

Tested By


 (Sujitha Anto)
 Microbiologist

Authorized By


 (Ranjan Maharaj)
 Sr. Microbiologist

★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|----------------------------------|---|----------------------|------------------------------|
| Report No. | UERL /12/02/031 | Date Of Report | 06/03/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Sample Code No. A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/02/2012 | Sample Received Date | 29/02/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 29/02/2012 | Test Completion Date | 05/03/2012 |
| UERL Lab Sample ID.No. 12/02/031 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 10(200) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | °C | 29 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B), | -- | mg/L | 5.8 |
| 5. | pH at 25 °C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H*B) | 6.5 - 8.5 | Unit | 7.65 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | µs | 9197 |
| 7. | BOD (3 days at 27 °C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | 29 |
| 8. | Nitrate as N | (APIIA 21 st Ed.,2005,4500 NO3-B) | 45 mg/l | mg/L | 0.7 |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | 0.40 |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 mg/l | mg/L | BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.01 mg/l | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | 0.07 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | BDL(<0.2) |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.30 |
| 16. | Zinc | IS 3025(Part 49)1994, (APIIA 21 st Ed.,2005,3111-B) | 5 mg/l | mg/L | BDL(<0.1) |
| 17. | Mercury | (APIIA 21 st Ed.,2005,3112-B) | 0.001 mg/l | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 mg/l | mg/L | 1.78 |
| 19. | Cyanide | IS 3025(Part27)1986 | 0.05 mg/l | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 5 NTU | NTU | 0.1 |

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★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|----------------------------------|---|-----------------------|--------------|
| Report No. | UERL /12/02/031 | Date Of Report | 06/03/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. A8 | |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/02/2012 | Sample Received Date | 29/02/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 29/02/2012 | Test Completion Date | 05/03/2012 |
| UERL Lab Sample ID.No. 12/02/031 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|---------|----------------------------------|--|---------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | BDL(<5.0) |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 166 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 mg/l | mg/L | 2851 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | 96 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | 5.42 |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | -- | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 300 mg/l | mg/L | 1089 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 mg/l | mg/L | 159 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 mg/l | mg/L | 168 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 mg/l | mg/L | 340 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | ADL |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 mg/l | mg/L | 6030 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 5510 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 90 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 0.2 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 1.0 mg/l | mg/L | 0.87 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 54.3 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 mg/l | mg/L | 0.73 |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | ADL |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 mg/l | mg/L | 136 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | BDL |

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TEST REPORT

| | | | |
|----------------------------------|---|----------------------|--------------|
| Report No. | UERL /12/02/031 | Date Of Report | 06/03/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/02/2012 | Sample Received Date | 29/02/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 29/02/2012 | Test Completion Date | 05/03/2012 |
| UERL Lab Sample ID.No. 12/02/031 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|---------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyriphos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carbaryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, ADL= above detection Limit, Colour = 10(200) = 200 Hazen Unit,

***** End of Report *****

Tested By
(N. P. Patel)
(Chemist)

Checked By
(N. B. Tandon)
(Sr. Chemist)

Authorized By
(M. J. Halliker)
(Technical Manager)

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TEST REPORT
 (MICROBIOLOGY)

| | | | |
|----------------------------------|---|----------------------|--------------|
| Report No. | UERL /12/02/031 | Date Of Report | 06/03/2012 |
| Name & Address of Customer | M/S. POLLUTION CONTROL COMMITTEE. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/02/2012 | Sample Received Date | 29/02/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 29/02/2012 | Test Completion Date | 02/03/2012 |
| UERL Lab Sample ID.No. 12/02/031 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed.2005,9222-B | Absent | CFU/100 ml | 24 |
| 2 | Faecal Coliform | APHA 21 st Ed.2005,9222-D | Absent | CFU/100 ml | 4 |

Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

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***** End of Report *****

Tested By



(Sujitha Anto)
 Microbiologist

Authorized By



(Ranjan Maharaj)
 Sr. Microbiologist

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TEST REPORT

| | | | |
|----------------------------------|---|----------------------|------------------------------------|
| Report No. | UERL /12/02/030 | Date Of Report | 06/03/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Station Code No. A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/02/2012 | Sample Received Date | 29/02/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/02/2012 | Test Completion Date | 05/03/2012 |
| UERL Lab Sample ID.No. 12/02/030 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 1(10) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | ^o C | 29 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O.B). | -- | mg/L | 7.8 |
| 5. | pH at 25 ^o C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H'B) | 6.5 - 8.5 | Unit | 8.03 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | μ s | 163 |
| 7. | BOD (3 days at 27 ^o C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | BDL |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO ₃ -B) | 45 mg/l | mg/L | BDL |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | 0.11 |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 mg/l | mg/L | BDL(<0.005) |
| 11. | Cadmium | IS 3025(Part 41)1992. (APHA 21 st Ed.,2005,3111-B) | 0.01 mg/l | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | 0.03 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | BDL(<0.20) |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.14 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 mg/l | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 mg/l | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 mg/l | mg/L | 1.0 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 mg/l | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 5 NTU | NTU | 0.1 |

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TEST REPORT

| | | | |
|----------------------------------|---|----------------------|----------------|
| Report No. | UERL /12/02/030 | Date Of Report | 06/03/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/02/2012 | Sample Received Date | 29/02/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/02/2012 | Test Completion Date | 05/03/2012 |
| UERL Lab Sample ID.No. 12/02/030 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|---------|----------------------------------|---|---------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 6 |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 95 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 mg/l | mg/L | 7 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | 16 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | -- | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 300 mg/l | mg/L | 73 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 mg/l | mg/L | 19 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 mg/l | mg/L | 6 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 mg/l | mg/L | 1 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | 13.3 |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 mg/l | mg/L | 190 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 110 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 50 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 1.0 mg/l | mg/L | 0.25 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 2.2 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 mg/l | mg/L | 0.20 |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | 3.77 |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 mg/l | mg/L | 87 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | 5 |

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TEST REPORT

| | | | |
|----------------------------------|---|----------------------|----------------|
| Report No. | UERL /12/02/030 | Date Of Report | 06/03/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/02/2012 | Sample Received Date | 29/02/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/02/2012 | Test Completion Date | 05/03/2012 |
| UERL Lab Sample ID.No. 12/02/030 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|---------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyrifos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carbaryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, Colour = 1(10) = 10 Hazen Unit,

***** End of Report *****

Tested By

(N. P. Patel)
 (Chemist)

Checked By

(N. B. Tandel)
 (Sr. Chemist)

Authorized By

(M. J. Bhalule)
 (Technical Manager)

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TEST REPORT
 (MICROBIOLOGY)

| | | | |
|----------------------------------|---|----------------------|------------------|
| Report No. | UERL /12/02/030 | Date Of Report | 06/03/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Station Code No. |
| | | | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/02/2012 | Sample Received Date | 29/02/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/02/2012 | Test Completion Date | 02/03/2012 |
| UERL Lab Sample ID.No. 12/02/030 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed.2005,9222-B | Absent | CFU/100 ml | 11 |
| 2 | Faecal Coliform | APHA 21 st Ed.2005,9222-D | Absent | CFU/100 ml | 3 |

Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

--

***** End of Report *****

Tested By



(Sujitha Anto)
Microbiologist

Authorized By



(Ranjan Maharaj)
Sr. Microbiologist

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TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|------------------------------------|
| Report No. | UERL /Chem/12/03/145 | Date Of Report | 04/04/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Station Code No. A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/03/2012 | Sample Received Date | 29/03/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/03/2012 | Test Completion Date | 03/04/2012 |
| UERL Lab Sample ID.No. Chem/12/03/145 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 1(10) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | ^o C | 32 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B) | -- | mg/L | 7.4 |
| 5. | pH at 25 ^o C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H ^o B) | 6.5 - 8.5 | Unit | 8.30 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | μs | 169 |
| 7. | BOD (3 days at 27 ^o C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | BDL |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO ₃ -B) | 45 mg/l | mg/L | BDL |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | BDL |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 mg/l | mg/L | BDL(<0.005) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.01 mg/l | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | 0.04 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | BDL(<0.20) |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.15 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 mg/l | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 mg/l | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 mg/l | mg/L | 0.74 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 mg/l | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 5 NTU | NTU | 0.1 |

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TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/03/145 | Date Of Report | 04/04/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/03/2012 | Sample Received Date | 29/03/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/03/2012 | Test Completion Date | 03/04/2012 |
| UERL Lab Sample ID.No. Chem/12/03/145 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|---------|----------------------------------|--|---------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 12 |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 84 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 mg/l | mg/L | 14 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | BDL |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | -- | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009.Amd.1 | 300 mg/l | mg/L | 86 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 mg/l | mg/L | 19 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 mg/l | mg/L | 9 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 mg/l | mg/L | 2 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | 11.5 |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 mg/l | mg/L | 160 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 130 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 20 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 0.1 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 1.0 mg/l | mg/L | BDL |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 2.0 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 mg/l | mg/L | BDL |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | 3.08 |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 mg/l | mg/L | 88 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | 10 |

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 ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/03/145 | Date Of Report | 04/04/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/03/2012 | Sample Received Date | 29/03/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/03/2012 | Test Completion Date | 03/04/2012 |
| UERL Lab Sample ID.No. Chem/12/03/145 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|---------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyrifos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carbaryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, Colour = 1(10) = 10 Hazen Unit,

***** End of Report *****

Tested By
(N.C. Patel)
 (Chemist)

Checked By
(N.S. Tandel)
 (Sr. Chemist)

Authorized By
(M.S. Patel)
 (Technical Manager)

- ★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
- ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT
 (MICROBIOLOGY)

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | MICRO/12/03/ 145 | Date Of Report | 04/04/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/03/2012 | Sample Received Date | 29/03/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/03/2012 | Test Completion Date | 31/03/2012 |
| UERL Lab Sample ID.No. MIC/12/03/ 145 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed.2005,9222-B | Absent | CFU/100 ml | 26 |
| 2 | Faecal Coliform | APHA 21 st Ed.2005,9222-D | Absent | CFU/100 ml | 4 |

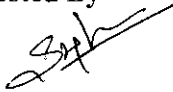
Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

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***** End of Report *****

Tested By



(Sujitha Anto)
 Microbiologist

Authorized By



(Ranjan Maharaj)
 Sr. Microbiologist

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- ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|------------------------------|
| Report No. | UERL /Chem/12/03/146 | Date Of Report | 04/04/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Sample Code No. A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/03/2012 | Sample Received Date | 29/03/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 29/03/2012 | Test Completion Date | 03/04/2012 |
| UERL Lab Sample ID.No. Chem/12/03/146 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 10(200) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | ^o C | 32 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B). | -- | mg/L | 5.2 |
| 5. | pH at 25 ^o C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H ⁺ B) | 6.5 - 8.5 | Unit | 7.45 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | μ s | 10800 |
| 7. | BOD (3 days at 27 ^o C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | 12 |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO ₃ -B) | 45 mg/l | mg/L | 0.8 |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | 0.21 |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 mg/l | mg/L | BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.01 mg/l | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | 0.09 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.42 |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.15 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 mg/l | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 mg/l | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 mg/l | mg/L | 0.48 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 mg/l | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 5 NTU | NTU | 0.1 |

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TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|--------------|
| Report No. | UERL /Chem/12/03/146 | Date Of Report | 04/04/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/03/2012 | Sample Received Date | 29/03/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 29/03/2012 | Test Completion Date | 03/04/2012 |
| UERL Lab Sample ID.No. Chem/12/03/146 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|---------|----------------------------------|--|---------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | BDL(<5.0) |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 168 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 mg/l | mg/L | 2940 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | 47 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | -- | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 300 mg/l | mg/L | 1159 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 mg/l | mg/L | 107 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 mg/l | mg/L | 217 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 mg/l | mg/L | 560. |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | ADL |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 mg/l | mg/L | 7120 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 5770 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 40 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 0.3 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 1.0 mg/l | mg/L | 1.2 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 62.4 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 mg/l | mg/L | 0.27 |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | -- | ADL |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 mg/l | mg/L | 137 |
| 43. | P – Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | BDL |

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TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|--------------|
| Report No. | UERL /Chem/12/03/146 | Date Of Report | 04/04/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/03/2012 | Sample Received Date | 29/03/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 29/03/2012 | Test Completion Date | 03/04/2012 |
| UERL Lab Sample ID.No. Chem/12/03/146 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|---------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyrifos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carbaryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, ADL= above detection Limit, Colour = 10(200) = 200 Hazen Unit,

***** End of Report *****

Tested By

(Signature)
(M.C. Patel)
(Chemist)

Checked By

(Signature)
(H.S. Tandel)
(Sr. Chemist)

Authorized By

(Signature)
(A.S. Jethava)
(Technical Manager)

c/93

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TEST REPORT
 (MICROBIOLOGY)

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | MICRO/12/03/ 146 | Date Of Report | 04/04/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/03/2012 | Sample Received Date | 29/03/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 29/03/2012 | Test Completion Date | 31/03/2012 |
| UERL Lab Sample ID.No. MIC/12/03/ 146 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed.2005,9222-B | Absent | CFU/100 ml | 44 |
| 2 | Faecal Coliform | APHA 21 st Ed.2005,9222-D | Absent | CFU/100 ml | 6 |

Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

--

***** End of Report *****

Tested By



(Sujitha Anto)
 Microbiologist

Authorized By



(Ranjan Maharaj)
 Sr. Microbiologist

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★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|------------------|
| Report No. | UERL /Chem/12/04/108 | Date Of Report | 02/05/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Station Code No. |
| | | | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/04/2012 | Sample Received Date | 26/04/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 26/04/2012 | Test Completion Date | 01/05/2012 |
| UERL Lab Sample ID.No. Chem/12/04/108 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 1(10) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | °C | 31 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B), | -- | mg/L | 6.5 |
| 5. | pH at 25 °C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H'B) | 6.5 - 8.5 | Unit | 8.23 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | µs | 173.7 |
| 7. | BOD (3 days at 27 °C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | BDL(<5.0) |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO ₃ -B) | 45 mg/l | mg/L | BDL |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | BDL |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 mg/l | mg/L | 0.05 |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.01 mg/l | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | BDL |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.24 |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.13 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 mg/l | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 mg/l | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 mg/l | mg/L | 0.14 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 mg/l | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 5 NTU | NTU | 0.1 |

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★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/04/108 | Date Of Report | 02/05/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/04/2012 | Sample Received Date | 26/04/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 26/04/2012 | Test Completion Date | 01/05/2012 |
| UERL Lab Sample ID.No. Chem/12/04/108 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|---------|----------------------------------|--|---------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 18 |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 71 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 mg/l | mg/L | 8 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | 16 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | -- | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 300 mg/l | mg/L | 77 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 mg/l | mg/L | 19 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 mg/l | mg/L | 7 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 mg/l | mg/L | 2 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | 11.5 |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 mg/l | mg/L | 180 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 150 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 10 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 0.1 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 1.0 mg/l | mg/L | 0.1 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 8.9 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 mg/l | mg/L | BDL |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | 4.08 |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 mg/l | mg/L | 88 |
| 43. | P – Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | 15 |

★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/04/108 | Date Of Report | 02/05/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/04/2012 | Sample Received Date | 26/04/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 26/04/2012 | Test Completion Date | 01/05/2012 |
| UERL Lab Sample ID.No. Chem/12/04/108 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|---------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyriphos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carboryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, Colour = 1(10) = 10 Hazen Unit,

***** End of Report *****

Tested By
(N.P. Patel)
(Chemist)

Checked By
(N.B. Tandel)
(Sr. Chemist)

Authorized By
(M.J. Patel)
(Technical Manager)

★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
 ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

(Microbiology)

| | | | |
|---------------------------------------|---|----------------------|------------------------------------|
| Report No. | MICRO/12/04/ 108 | Date Of Report | 02/05/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Station Code No. A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/04/2012 | Sample Received Date | 26/04/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 26/04/2012 | Test Completion Date | 30/04/2012 |
| UERL Lab Sample ID.No. MIC/12/04/ 108 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed.2005,9222-B | Absent | CFU/100 ml | 7 |
| 2 | Faecal Coliform | APHA 21 st Ed.2005,9222-D | Absent | CFU/100 ml | 2 |


Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

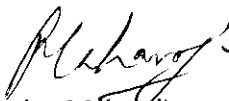
--

***** End of Report *****

Tested By


 (Sujitha Anto)
 Microbiologist

Authorized By


 (Ranjan Maharaj)
 Sr. Microbiologist

★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/04/109 | Date Of Report | 02/05/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Sample Code No. |
| | | | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/04/2012 | Sample Received Date | 26/04/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 26/04/2012 | Test Completion Date | 01/05/2012 |
| UERL Lab Sample ID.No. Chem/12/04/109 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 10(200) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | °C | 32 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B), | -- | mg/L | 5.4 |
| 5. | pH at 25 °C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H ⁷ B) | 6.5 - 8.5 | Unit | 7.63 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | µs | 16200 |
| 7. | BOD (3 days at 27 °C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | 44 |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO3-B) | 45 mg/l | mg/L | 0.6 |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | 0.37 |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 mg/l | mg/L | BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.01 mg/l | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | 0.05 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.75 |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.34 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 mg/l | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 mg/l | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 mg/l | mg/L | 0.23 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 mg/l | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 5 NTU | NTU | 1 |

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★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|--------------|
| Report No. | UERL /Chem/12/04/109 | Date Of Report | 02/05/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/04/2012 | Sample Received Date | 26/04/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 26/04/2012 | Test Completion Date | 01/05/2012 |
| UERL Lab Sample ID.No. Chem/12/04/109 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|---------|----------------------------------|--|---------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 12 |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 125 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 mg/l | mg/L | 5211 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | 150 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | 9.0 |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | -- | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 300 mg/l | mg/L | 1805 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 mg/l | mg/L | 150 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 mg/l | mg/L | 348 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 mg/l | mg/L | 1300 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | ADL |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 mg/l | mg/L | 11960 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 9140 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 20 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 1.25 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 1.0 mg/l | mg/L | 1.5 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 93.1 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 mg/l | mg/L | 0.95 |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | -- | ADL |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 mg/l | mg/L | 122 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | 10 |

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★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|--------------|
| Report No. | UERL /Chem/12/04/109 | Date Of Report | 02/05/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/04/2012 | Sample Received Date | 26/04/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light yellow |
| Test Started Date | 26/04/2012 | Test Completion Date | 01/05/2012 |
| UERL Lab Sample ID.No. Chem/12/04/109 | | | |

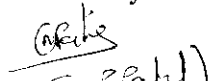
TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|---------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyriphos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carbaryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

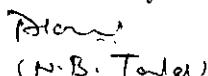
Note: BDL = Below Detection Limit, ADL= above detection Limit, Colour = 10(200) = 200 Hazen Unit,

***** End of Report *****


Tested By


(N. P. Patel)
(Chemist)

Checked By


(N. B. Tandel)
(Sr. Chemist)

Authorized By


(Technical Manager)

- ★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
 ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

(Microbiology)

| | | | |
|---------------------------------------|---|----------------------|------------------------|
| Report No. | MICRO/12/04/ 109 | Date Of Report | 02/05/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Station Code No. A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/04/2012 | Sample Received Date | 26/04/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light Yellow |
| Test Started Date | 26/04/2012 | Test Completion Date | 30/04/2012 |
| UERL Lab Sample ID.No. MIC/12/04/ 109 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed.2005,9222-B | Absent | CFU/100 ml | 12 |
| 2 | Faecal Coliform | APHA 21 st Ed.2005,9222-D | Absent | CFU/100 ml | 4 |


Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

--

***** End of Report *****

Tested By



(Sujitha Anto)
Microbiologist

Authorized By



(Ranjan Maharaj)
Sr. Microbiologist

River Water
May' 2012



precitech

Environmental Consultants

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TEST CERTIFICATE

| Our Ref. No. | PLWS/12052914 | Issue Date | June 21, 2012 | | |
|-----------------------------------|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A1 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 22/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Surat Beverages. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | mmhos/cm | 0.316 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 0.6 | APHA | -- |
| 4 | pH | -- | 8.33 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 36 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 202 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 90 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 102 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 29.5 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 9 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 5.0 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | 3 | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 104 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 37.5 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 11.7 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 0.2 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 1.6 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.3 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | BDL | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | 1 | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

1st Floor, Bhanujot Complex, Plot No.C5/27.
Opp. Oriental Ins. Co. Ltd., Nr. GIDC Char Rasta, Vapi - 396 195
Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



precitech

Environmental Consultants

Environmental Consultants

TEST CERTIFICATE

| | | | |
|-------------------------|--|------------|---------------|
| Our Ref. No. | PLAWS/12052914 | Issue Date | June 21, 2012 |
| Customer Name & Address | Pollution Control Committee, Daman. | | |

Customer Ref. No & Date PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012.

Part A: SAMPLE PARTICULARS

| | | | |
|------------------------|---------------------------------|--------------------------|----------------|
| Sample Description | Daman Ganga River Water RW - A1 | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 22/06/2012 |

Part B: SAMPLING DETAILS

| | |
|-----------------------|------------------------------|
| Sample Collection | Collected by Us. |
| Sampling Procedure | -- |
| Sampling Location | Down Stream Surat Beverages. |
| Any Other Information | -- |

Part C: TEST RESULTS

| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
|---------|----------------------|-----------|---------|--------|-------------------|
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 1.6 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathion | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |

Part D: REMARKS: BDL = Below Detection Limit.

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

1st Floor, Bhanujyot Complex, Plot No.C5/27,
Opp. Oriental Ins. Co. Ltd., Nr. GIDC Char Rasta, Vapi - 396 195
Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



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Central Pollution Control Board
Environmental Consultants

TEST CERTIFICATE

| Our Ref. No. | PLWS/12052915 | Issue Date | June 22, 2012 | | |
|-----------------------------------|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A2 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Lavachha Temple. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | mmhos/cm | 0.322 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 0.7 | APHA | -- |
| 4 | pH | -- | 8.07 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 12 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 206 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 102 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 94 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 36 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 3 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 3.7 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | 3.92 | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 138 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 37.5 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 7.6 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 2.9 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.5 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | BDL | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | 1 | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd./-

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com

TEST CERTIFICATE

| Our Ref. No. | PLWS/12052915 | Issue Date | June 22, 2012 | | |
|--|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A2 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Lavachha Temple. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 2.1 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 2 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf



Authorized Signatory.

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

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precitech

Environmental Consultants

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TEST CERTIFICATE

| Our Ref. No. | PLWS/12052916 | Issue Date | June 22, 2012 | | |
|------------------------------------|---|---------------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A3 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Madhuban Dam. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | mmhos/cm | 0.391 | APHA | -- |
| 2 | Temperature | °C | 29 | APHA | -- |
| 3 | Turbidity | NTU | 0.6 | APHA | -- |
| 4 | pH | -- | 7.27 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 8 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 250 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 122 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 98 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 17 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 8 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 3.7 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | 0.84 | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 135 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 32.5 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 13.6 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 0.9 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 4.1 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | BDL | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd./-

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

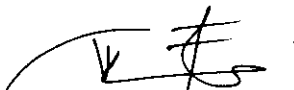
Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com

TEST CERTIFICATE

| Our Ref. No. | PLWS/12052916 | Issue Date | June 22, 2012 | | |
|--|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A3 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Madhuban Dam. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 1.9 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carboryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf



Authorized Signatory.

Recognitions

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e-mail: vapi@precitechlab.com

TEST CERTIFICATE

| Our Ref. No. | PLWS/12062917 | Issue Date | June 22, 2012 | | |
|-----------------------------------|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A4 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream at Naroli Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | mmhos/cm | 0.406 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 0.5 | APHA | -- |
| 4 | pH | -- | 8.40 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 14 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 260 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 54 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 94 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 17 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 3 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 4.8 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | 4.46 | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 139 | APHA | -- |
| 17 | Chloride (as Cl ⁻) | mg/lit. | 17.5 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 4.6 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 0.3 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 1.1 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 13.1 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | 1 | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

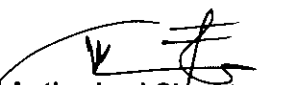
Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com

TEST CERTIFICATE

| Our Ref. No. | PLWS/12062917 | Issue Date | June 22,2012 | | |
|--|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A4 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream at Naroli Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 3.2 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf



Authorized Signatory.

TEST CERTIFICATE

| Our Ref. No. | PLWS/12052918 | Issue Date | June 22, 2012 | | |
|-----------------------------------|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A5 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Vapi Weir. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | mmhos/cm | 0.437 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 0.5 | APHA | -- |
| 4 | pH | -- | 8.33 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 8 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 280 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 122 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 98 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 41 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 5 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 4.6 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | 3.60 | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 1.30 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 37.5 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 5.2 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 0.1 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 0.9 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.8 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 12.8 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | 3.9 | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

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precitech

Environmental & Water Testing
Environmental Consultancy

TEST CERTIFICATE

| Our Ref. No. | PLWS/12052918 | Issue Date | June 22, 2012 | | |
|--|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A5 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Vapi Weir. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 4.1 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathion | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

1st Floor, Bhanujyot Complex, Plot No.C5/27,
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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com

TEST CERTIFICATE

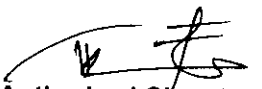
| Our Ref. No. | PLWS/12052919 | Issue Date | June 22,2012 | | |
|-----------------------------------|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A6 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Near Namdha Village. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | mmhos/cm | 8.692 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 0.5 | APHA | -- |
| 4 | pH | -- | 7.50 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 17 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 5556 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 1382 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 178 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 125.5 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 261 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 116 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | 40 | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 3.4 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | 5.32 | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 3551 | APHA | -- |
| 17 | Chloride (as Cl ⁻) | mg/lit. | 4374 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 37.8 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | 1.7 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 6.3 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.7 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 11.8 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | 1 | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

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TEST CERTIFICATE

| Our Ref. No. | PLWS/12052919 | Issue Date | June 22,2012 | | |
|--|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A6 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Near Namdha Village. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 8 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

Recognitions
Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

1st Floor, Bhanujot Complex, Plot No.C5/27,
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Environmental Consultants

Environmental Consultants

TEST CERTIFICATE

| Our Ref. No. | PLWS/12052920 | Issue Date | June 22, 2012 | | |
|-----------------------------------|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A7 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Zari Causeway Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 16000 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 0.6 | APHA | -- |
| 4 | pH | -- | 7.49 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 28 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 10746 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 1902 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 178 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 135 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 380 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 40 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | 16 | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 2.3 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | 8.96 | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 3992 | APHA | -- |
| 17 | Chloride (as Cl ⁻) | mg/lit. | 7923 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 120 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | 1.3 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 2.1 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.9 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 2120 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | 1 | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

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Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

1st Floor, Bhanujyot Complex, Plot No.C5/27,
Opp. Oriental Ins. Co. Ltd., Nr. GIDC Char Rasta, Vapi - 396 195
Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



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TEST CERTIFICATE

| Our Ref. No. | PLAWS/12052920 | Issue Date | June 22, 2012 | | |
|--|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A7 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Zari Causeway Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 2.9 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carboryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 05 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
 Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
 An ISO 9001:2008 Certified Laboratory

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 Telefax: (0260) 2425542, 2420995, 2424901, 3298985
 e-mail: vapi@precitechlab.com

TEST CERTIFICATE

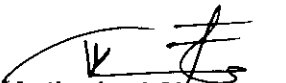
| Our Ref. No. | PLWS/12062921 | Issue Date | June 22, 2012 | | |
|-----------------------------------|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A8 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream At Khemani Diffuser Point. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 21419 | APHA | -- |
| 2 | Temperature | °C | 27 | APHA | -- |
| 3 | Turbidity | NTU | 6.0 | APHA | -- |
| 4 | pH | -- | 7.8 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 23 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 13712 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 2818 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 330 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | 15 | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 208 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 539 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 630 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | 70 | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 4.2 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | 6.60 | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 11730 | APHA | -- |
| 17 | Chloride (as Cl ⁻) | mg/lit. | 9110 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 75 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | 2.0 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | BDL | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.65 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 9.9 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | 3.50 | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | 0.24 | APHA | 0.3 mg/lit. |

Contd./-

TEST CERTIFICATE

| Our Ref. No. | PLWS/12062921 | Issue Date | June 22, 2012 | | |
|--|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A8 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 21/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream At Khemani Diffuser Point. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 2.8 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

1st Floor, Bhanujyot Complex, Plot No.C5/27,
Opp. Oriental Ins. Co. Ltd., Nr. GIDC Char Rasta, Vapi - 396 195
Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



precitech

Environmental Consultants

TEST CERTIFICATE

| | | | |
|-----------------------------------|---|--------------------------|----------------|
| Our Ref. No. | PLWS/12052922 | Issue Date | June 20,2012 |
| Customer Name & Address | Pollution Control Committee, Daman. | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | |
| Part A: SAMPLE PARTICULARS | | | |
| Sample Description | Daman Ganga River Water RW – A9 | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 19/06/2012 |
| Part B: SAMPLING DETAILS | | | |
| Sample Collection | Collected by Us. | | |
| Sampling Procedure | -- | | |
| Sampling Location | Down Stream Moti Daman Jetty. | | |
| Any Other Information | -- | | |

| Part C: TEST RESULTS | | | | | |
|-----------------------------|--|----------|---------|--------|-------------------|
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 44300 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 26 | APHA | -- |
| 4 | pH | -- | 7.93 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 208 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 36740 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | Mg/lit. | 6135 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 138 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 526 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 1176 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 815 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | 281 | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 1.8 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | 17.92 | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 14684 | APHA | -- |
| 17 | Chloride (as Cl ⁻) | mg/lit. | 18344 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 192 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | 0.9 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 9.6 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 1.7 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 1009 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | 3 | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

Recognitions

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Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com

TEST CERTIFICATE

| Our Ref. No. | PLWS/12052922 | Issue Date | June 20,2012 | | |
|--|---|--------------------------|----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DMN/RWQMP/2010-2011/658 Dated : 23/03/2011. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A9 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 29/05/2012 | Sample Receipt Date | 29/05/2012 | | |
| Analysis Start Date | 30/05/2012 | Analysis Completion Date | 19/06/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Moti Daman Jetty. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 2.1 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carboryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 4 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

Recognitions

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★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/06/091 | Date Of Report | 03/07/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 27/06/2012 | Sample Received Date | 27/06/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 27/06/2012 | Test Completion Date | 02/07/2012 |
| UERL Lab Sample ID.No. Chem/12/06/091 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 1(10) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | °C | 30 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B). | -- | mg/L | 5.6 |
| 5. | pH at 25 °C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H ¹ B) | 6.5 - 8.5 | Unit | 8.1 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | µs | 183.7 |
| 7. | BOD (3 days at 27 °C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | BDL(<5.0) |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO ₃ -B) | 45 mg/l | mg/L | BDL(<0.01) |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | BDL BDL(<0.005) |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 mg/l | mg/L | BDL BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.01 mg/l | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | 0.03 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | BDL(<0.1) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | BDL(<0.2) |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.07 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 mg/l | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 mg/l | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 mg/l | mg/L | 0.21 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 mg/l | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 5 NTU | NTU | 0.1 |

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★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/06/091 | Date Of Report | 03/07/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 27/06/2012 | Sample Received Date | 27/06/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 27/06/2012 | Test Completion Date | 02/07/2012 |
| UERL Lab Sample ID.No. Chem/12/06/091 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|---------|----------------------------------|---|---------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 6 |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 106 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 mg/l | mg/L | 14 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | 12 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | -- | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 300 mg/l | mg/L | 103 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca,B) | 75 mg/l | mg/L | 25 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg. B | 30 mg/l | mg/L | 10 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 mg/l | mg/L | 2 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | 14.2 |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 mg/l | mg/L | 190 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 150 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 10 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 0.1 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 1.0 mg/l | mg/L | 0.08 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 7.7 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 mg/l | mg/L | BDL |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | 3.40 |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 mg/l | mg/L | 97 |
| 43. | P – Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | 5 |

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 ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/06/091 | Date Of Report | 03/07/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 27/06/2012 | Sample Received Date | 27/06/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 27/06/2012 | Test Completion Date | 02/07/2012 |
| UERL Lab Sample ID.No. Chem/12/06/091 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|---------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyrifos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carboryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, Colour = 1(10) = 10 Hazen Unit, Turbidity = 0.1 = 4.9 NTU,

***** End of Report *****

Tested By

(Signature)
 (N.P.P.)
 (Chemist)

Checked By

(Signature)
 (N.B.T.)
 (Sr. Chemist)

Authorized By

(Signature)
 (Technical Manager)

★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
 ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

(Microbiology)

| | | | |
|--------------------------------------|---|----------------------|----------------|
| Report No. | MICRO/12/06/091 | Date Of Report | 03/07/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 27/06/2012 | Sample Received Date | 27/06/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 27/06/2012 | Test Completion Date | 02/07/2012 |
| UERL Lab Sample ID.No. MIC/12/06/091 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed.2005,9222-B | Absent | CFU/100 ml | 24 |
| 2 | Faecal Coliform | APIA 21 st Ed.2005,9222-D | Absent | CFU/100 ml | 18 |


Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)


--

***** End of Report *****

Tested By


 (Sujitha Anto)
 Microbiologist

Authorized By


 (Ranjan Maharaj)
 Sr. Microbiologist

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★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/07/062 | Date Of Report | 01/08/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 25/07/2012 | Sample Received Date | 25/07/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 25/07/2012 | Test Completion Date | 31/07/2012 |
| UERL Lab Sample ID.No. Chem/12/07/062 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 10(200) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | °C | 30 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B), | -- | mg/L | 7.0 |
| 5. | pH at 25 °C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H'B) | 6.5 - 8.5 | Unit | 7.54 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | µs | 162.6 |
| 7. | BOD (3 days at 27 °C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | BDL(<5.0) |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO ₃ -B) | 45 mg/l | mg/L | 0.2 |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | 0.05 |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 mg/l | mg/L | BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.01 mg/l | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | 0.03 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.05 mg/l | mg/L | 0.25 |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.26 |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | -- | mg/L | 0.37 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 mg/l | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 mg/l | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 mg/l | mg/L | 0.77 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 mg/l | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 5 NTU | NTU | 1 |

- ★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/07/062 | Date Of Report | 01/08/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 25/07/2012 | Sample Received Date | 25/07/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 25/07/2012 | Test Completion Date | 31/07/2012 |
| UERL Lab Sample ID.No. Chem/12/07/062 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|---------|----------------------------------|--|---------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | BDL |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 100 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 mg/l | mg/L | 9 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | BDL(<5.0) |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | -- | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 300 mg/l | mg/L | 79 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 mg/l | mg/L | 16 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 mg/l | mg/L | 10 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 mg/l | mg/L | 10 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | 12.3 |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 mg/l | mg/L | 170 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984.Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 120 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 10 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 1.0 mg/l | mg/L | 0.3 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 7.0 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 mg/l | mg/L | BDL |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | 3.41 |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 mg/l | mg/L | 82 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | BDL |

★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/07/062 | Date Of Report | 01/08/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 25/07/2012 | Sample Received Date | 25/07/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 25/07/2012 | Test Completion Date | 31/07/2012 |
| UERL Lab Sample ID.No. Chem/12/07/062 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | IS:10500-1991 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|---------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyrifos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carboryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, Colour = 10(200) = 200 Hazen Unit, Turbidity = 1= 30.2 NTU,

***** End of Report *****

Tested By
(Signature)
(N.P.P.)
(Chemist)

Checked By
(Signature)
(N.B.T.)
(Sr. Chemist)

Authorized By
(Signature)
(M. J. Bhattaraj)
(Technical Manager)

★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
 ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

(Microbiology)

| | | | |
|--------------------------------------|---|----------------------|-----------------|
| Report No. | MICRO/12/07/062 | Date Of Report | 01/08/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 25/07/2012 | Sample Received Date | 25/07/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 25/07/2012 | Test Completion Date | 28/07/2012 |
| UERL Lab Sample ID.No. MIC/12/07/062 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed.2005,9222-B | Absent | CFU/100 ml | 28 |
| 2 | Faecal Coliform | APHA Ed.2005,9222-D | Absent | CFU/100 ml | 20 |

Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

--

***** End of Report *****

Tested By



(Sujitha Anto)
 Microbiologist

Authorized By



(Ranjan Maharaj)
 Sr. Microbiologist

August 1 2012



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Laboratories
Environmental Consultants

1/56

TEST CERTIFICATE

| Our Ref. No. | PLWS/12083016 | Issue Date | October 18, 2012 | | |
|-----------------------------------|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A1 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Surat Beverages. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 528 | APHA | -- |
| 2 | Temperature | °C | 27 | APHA | -- |
| 3 | Turbidity | NTU | 0.6 | APHA | -- |
| 4 | pH | -- | 7.36 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 26 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 336 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 206 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 125 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 61 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 37 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 2.97 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 232 | APHA | -- |
| 17 | Chloride (as Cl ⁻) | mg/lit. | 41 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 44.3 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | 0.7 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 2 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 36 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

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Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083016 | Issue Date | October 18, 2012 | | |
|--|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A1 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Surat Beverages. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 2.4 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathion | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyrifos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083017 | Issue Date | October 18, 2012 | | |
|------------------------------------|---|---------------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A2 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Lavachha Temple. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 238 | APHA | -- |
| 2 | Temperature | °C | 26 | APHA | -- |
| 3 | Turbidity | NTU | 33 | APHA | -- |
| 4 | pH | -- | 7.28 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 15 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 138 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 76 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 77 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 22 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 5 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 6.33 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 84 | APHA | -- |
| 17 | Chloride (as Cl ⁻) | mg/lit. | 35 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 17 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 1 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 30 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact


1st Floor, Bhanujyot Complex, Plot No.C5/27,
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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083017 | Issue Date | October 18, 2012 | | |
|--|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A2 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Lavachha Temple. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 11.5 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 3 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083018 | Issue Date | October 18, 2012 | | |
|-----------------------------------|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A3 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Madhuban Dam. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 239 | APHA | -- |
| 2 | Temperature | °C | 27 | APHA | -- |
| 3 | Turbidity | NTU | 20.7 | APHA | -- |
| 4 | pH | -- | 7.56 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 13 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 156 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 80 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 106 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 22 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 6 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 6.24 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 120 | APHA | -- |
| 17 | Chloride (as Cl ⁻) | mg/lit. | 30 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 15.1 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | BDL | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 35 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

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Contact

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e-mail: vapi@precitechlab.com



Precitech
Laboratories
Environmental Consultants

TEST CERTIFICATE

| Our Ref. No. | PLWS/12083018 | Issue Date | October 18,2012 | | |
|--|---|--------------------------|-----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A3 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Madhuban Dam. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 2.9 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 02 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
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Contact

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e-mail: vapi@precitechlab.com



c/s/c

TEST CERTIFICATE

| Our Ref. No. | PLWS/12083019 | Issue Date | October 18,2012 | | |
|-----------------------------------|---|--------------------------|-----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A4 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream at Naroli Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 285 | APHA | -- |
| 2 | Temperature | °C | 27 | APHA | -- |
| 3 | Turbidity | NTU | 28.1 | APHA | -- |
| 4 | pH | -- | 7.37 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 15 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 180 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 80 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 92 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 17 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 9 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 5.85 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 60 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 21 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 17.1 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | BDL | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 42 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd..!-

Recognitions

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Contact

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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083019 | Issue Date | October 18, 2012 | | |
|--|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A4 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream at Naroli Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 2.7 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathion | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 01 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf

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TEST CERTIFICATE

| Our Ref. No. | PLWS/12083020 | Issue Date | October 20, 2012 | | |
|------------------------------------|---|---------------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A5 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Vapi Weir. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 245 | APHA | -- |
| 2 | Temperature | °C | 27 | APHA | -- |
| 3 | Turbidity | NTU | 36.4 | APHA | -- |
| 4 | pH | -- | 7.86 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 25 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 156 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 123 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 92 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 22 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 16 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 6.33 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 110 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 30 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 22.2 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 0.2 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 1 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.1 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 32 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

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TEST CERTIFICATE

| Our Ref. No. | PLWS/12083020 | Issue Date | October 20, 2012 | | |
|--|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A5 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Vapi Weir. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 11.5 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carboryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083021 | Issue Date | October 18,2012 | | |
|-----------------------------------|---|--------------------------|-----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A6 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Near Namdha Village. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 278 | APHA | -- |
| 2 | Temperature | °C | 26 | APHA | -- |
| 3 | Turbidity | NTU | 21.1 | APHA | -- |
| 4 | pH | -- | 7.19 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 18 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 180 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 80 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 92 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 12 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 5 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 6.04 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 72 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 44 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 21.5 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 6 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.1 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 32 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083021 | Issue Date | October 18, 2012 | | |
|--|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A6 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Near Namdha Village. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 7.4 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathion | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


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TEST CERTIFICATE

| Our Ref. No. | PLWS/12083022 | Issue Date | October 18,2012 | | |
|-----------------------------------|---|--------------------------|-----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A7 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Zari Causeway Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 258 | APHA | -- |
| 2 | Temperature | °C | 26 | APHA | -- |
| 3 | Turbidity | NTU | 35.3 | APHA | -- |
| 4 | pH | -- | 7.43 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 20 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 170 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 89 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 106 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 24 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 7 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 6.14 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 56 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 39 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 23.9 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | BDL | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.3 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 25.5 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

Recognitions

Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



cl/63

TEST CERTIFICATE

| Our Ref. No. | PLWS/12083022 | Issue Date | October 18,2012 | | |
|--|---|--------------------------|-----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A7 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Zari Causeway Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 6.0 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathion | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyrifos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf

Authorized Signatory.

Recognitions

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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083023 | Issue Date | October 18,2012 | | |
|-----------------------------------|---|--------------------------|-----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A8 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream At Khemani Diffuser Point. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 842 | APHA | -- |
| 2 | Temperature | °C | 28 | APHA | -- |
| 3 | Turbidity | NTU | 8.32 | APHA | -- |
| 4 | pH | -- | 7.33 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 55 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 1562 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 156 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 122 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | 30 | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 125 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 93 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 91 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | 11 | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 3.8 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 8945 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 1543 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 88 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 1.9 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | BDL | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.63 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 5.9 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | 3.54 | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

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Contact

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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083023 | Issue Date | October 18,2012 | | |
|--|---|--------------------------|-----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A8 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream At Khemani Diffuser Point. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 3.3 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carboryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083024 | Issue Date | October 18,2012 | | |
|-----------------------------------|---|--------------------------|-----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A9 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Moti Daman Jetty. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 5240 | APHA | -- |
| 2 | Temperature | °C | 27 | APHA | -- |
| 3 | Turbidity | NTU | 25.3 | APHA | -- |
| 4 | pH | -- | 7.63 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 53 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 3642 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | Mg/lit. | 699 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 106 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 169 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 67 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 30 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | 10 | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 5.8 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 1132 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 1852 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 155 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 0.4 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 2 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDI | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 96 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/12083024 | Issue Date | October 18,2012 | | |
|--|---|--------------------------|-----------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A9 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 30/08/2012 | Sample Receipt Date | 30/08/2012 | | |
| Analysis Start Date | 01/09/2012 | Analysis Completion Date | 17/10/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Moti Daman Jetty. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 5.6 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carboryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 4 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


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- ★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/09/102 | Date Of Report | 03/10/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/09/2012 | Sample Received Date | 26/09/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 26/09/2012 | Test Completion Date | 02/10/2012 |
| UERL Lab Sample ID.No. Chem/12/09/102 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|---------|--------------------------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 5(80) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | ^o C | 30 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B) | -- | mg/L | 6.7 |
| 5. | pH at 25 ^o C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H ⁺ B) | 6.5 - 8.5 | Unit | 7.30 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | μs | 138.0 |
| 7. | BOD (3 days at 27 ^o C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | BDL(<5.0) |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO ₃ -B) | 45 | mg/L | BDL(<0.01) |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | 0.06 |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 | mg/L | BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.003 | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 | mg/L | 0.07 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.01 | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | 0.05 | mg/L | 0.32 |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | 0.02 | mg/L | 0.24 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 | mg/L | 1.33 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 1 | NTU | 1 |

- ★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act: 1986. (22.7.2009 to 21.7.2014)
★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/09/102 | Date Of Report | 03/10/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/09/2012 | Sample Received Date | 26/09/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 26/09/2012 | Test Completion Date | 02/10/2012 |
| UERL Lab Sample ID.No. Chem/12/09/102 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|---------|----------------------------------|---|----------------------------|---------------------|------------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | BDL |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 94 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 | mg/L | 21 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | BDL(<5.0) |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | 0.5 | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 200 | mg/L | 70 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 | mg/L | 20 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 | mg/L | 5 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 | mg/L | 7 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | 3.9 |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 | mg/L | 116 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 40 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 14 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 0.1 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 0.5 | mg/L | 0.4 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 1.1 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 | mg/L | BDL(<0.15) |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | 1.10 |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 | mg/L | 77 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | BDL |

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TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/09/102 | Date Of Report | 03/10/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/09/2012 | Sample Received Date | 26/09/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 26/09/2012 | Test Completion Date | 02/10/2012 |
| UERL Lab Sample ID.No. Chem/12/09/102 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|----------------------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyrifos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carboryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | Anilophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, Colour = 5(80) = 80 Hazen Unit, Turbidity = 1= 37.3 NTU,

***** End of Report *****

Tested By

N.R.P.
(N.R.P.)
(Chemist)

Checked By

N.B.T.
(N.B.T.)
(Sr. Chemist)

Authorized By

M. S. Datt
(M. S. Datt)
(Technical Manager)

- ★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act: 1986. (22.7.2009 to 21.7.2014)
- ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

(Microbiology)

| | | | |
|---------------------------------------|---|----------------------|------------------------------------|
| Report No. | MICRO/12/09/102 | Date Of Report | 02/10/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Station Code No. A ₃ |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/09/2012 | Sample Received Date | 26/09/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slight Yellow |
| Test Started Date | 26/09/2012 | Test Completion Date | 01/10/2012 |
| UERL Lab Sample ID.No.: MIC/12/09/102 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-2012 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed.2005,9222-B | Absent | CFU/100 ml | 15 |
| 2 | Faecal Coliform | APHA Ed.2005,9222-D | Absent | CFU/100 ml | 8 |

Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

***** End of Report *****

Tested By



(Sujitha Anto)
Microbiologist

Authorized By



(Ranjan Maharaj)
Sr. Microbiologist

Oct 1 2012

White House, 2nd Floor,
Near G.I.D.C. Office, Char Rasta,
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Website: www.uerl.in

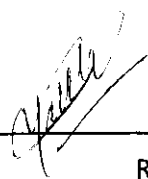
- ★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
- ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/10/088 | Date Of Report | 07/11/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/10/2012 | Sample Received Date | 29/10/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/10/2012 | Test Completion Date | 06/11/2012 |
| UERL Lab Sample ID.No. Chem/12/10/088 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|---------|-----------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 1(10) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | °C | 32 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B) | -- | mg/L | 7.0 |
| 5. | pH at 25 °C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H ⁺ B) | 6.5 - 8.5 | Unit | 7.21 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | µs | 113.1 |
| 7. | BOD (3 days at 27 °C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | BDL(<5.0) |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO3-B) | 45 | mg/L | 0.3 |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | 0.012 |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 | mg/L | BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.003 | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 | mg/L | BDL(<0.02) |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.01 | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | 0.05 | mg/L | 0.66 |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | 0.02 | mg/L | 0.10 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 | mg/L | 0.10 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 1 | NTU | 0.1 |



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TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/10/088 | Date Of Report | 07/11/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/10/2012 | Sample Received Date | 29/10/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/10/2012 | Test Completion Date | 06/11/2012 |
| UERL Lab Sample ID.No. Chem/12/10/088 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|---------|----------------------------------|--|----------------------------|---------------------|------------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | BDL |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 95 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 | mg/L | 14 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B), | -- | mg/L | BDL(<5.0) |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | 0.5 | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 200 | mg/L | 72 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 | mg/L | 14 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 | mg/L | 9 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 | mg/L | 8 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na.B | --- | mg/L | 14.2 |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 | mg/L | 102 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 24 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 12 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 0.5 | mg/L | BDL |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 2.0 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 | mg/L | BDL(<0.15) |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | 4.18 |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 | mg/L | 78 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | BDL |

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TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/10/088 | Date Of Report | 07/11/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH, Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/10/2012 | Sample Received Date | 29/10/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/10/2012 | Test Completion Date | 06/11/2012 |
| UERL Lab Sample ID.No. Chem/12/10/088 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|----------------------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyriphos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carboryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | Anilophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, Colour = 1(10) = 10 Hazen Unit, Turbidity = 0.1 = 2.64 NTU,

***** End of Report *****

Tested By
(Signature)
(M.C.P.)
(Chemist)

Checked By
(Signature)
(M.B.T.)
(Sr. Chemist)

Authorized By
(Signature)
(M.S. Salate)
(Technical Manager)

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TEST REPORT

(Microbiology)

| | | | |
|---------------------------------------|---|----------------------|------------------------------------|
| Report No. | MICRO/12/10/088 | Date Of Report | 07/11/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Station Code No. A ₃ |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/10/2012 | Sample Received Date | 29/10/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 29/10/2012 | Test Completion Date | 03/11/2012 |
| UERL Lab Sample ID.No.: MIC/12/10/088 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-2012 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 22 nd Ed.2012,9222-B | Absent | CFU/100 ml | 17 |
| 2 | Faecal Coliform | APHA 22 nd Ed.2012,9222-D | Absent | CFU/100 ml | 6 |

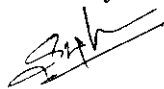
Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

--

***** End of Report *****

Tested By



(Sujitha Anto)
Microbiologist

Authorized By



(Ranjan Maharaj)
Sr. Microbiologist


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- ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------------|
| Report No. | UERL /Chem/12/10/089 | Date Of Report | 07/11/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Sample Code No. A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/10/2012 | Sample Received Date | 29/10/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 29/10/2012 | Test Completion Date | 06/11/2012 |
| UERL Lab Sample ID.No. Chem/12/10/089 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|---------|--------------------------|--|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 5(80) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | °C | 32 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B), | -- | mg/L | 5.5 |
| 5. | pH at 25 °C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H*B) | 6.5 - 8.5 | Unit | 7.47 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | µs | ADL |
| 7. | BOD (3 days at 27 °C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | 138 |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO3-B) | 45 | mg/L | 0.8 |
| 9. | Nitrite- N | APHA21 st Ed.2005,4500NO ₂ B | -- | mg/L | 0.38 |
| 10. | Arsenic | APHA21 st Ed.2005,3114-C | 0.01 | mg/L | BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.003 | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 | mg/L | BDL(<0.02) |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.01 | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | 0.05 | mg/L | 0.84 |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | 0.02 | mg/L | 0.40 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 | mg/L | 0.40 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 1 | NTU | 0.1 |



★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/10/089 | Date Of Report | 07/11/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/10/2012 | Sample Received Date | 29/10/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 29/10/2012 | Test Completion Date | 06/11/2012 |
| UERL Lab Sample ID.No. Chem/12/10/089 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|---------|----------------------------------|--|----------------------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | BDL |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 166 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 | mg/L | ADL |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B). | -- | mg/L | 461 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | 0.5 | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 200 | mg/L | 2430 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 | mg/L | 180 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 | mg/L | 481 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 | mg/L | 1150 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | --- | mg/L | ADL |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 | mg/L | 16408 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 13132 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 28 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 1.0 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 0.5 | mg/L | 1.8 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 110.0 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 | mg/L | 1.2 |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | -- | ADL |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 | mg/L | 136 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | BDL |

★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/10/089 | Date Of Report | 07/11/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/10/2012 | Sample Received Date | 29/10/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 29/10/2012 | Test Completion Date | 06/11/2012 |
| UERL Lab Sample ID.No. Chem/12/10/089 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|----------------------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gama BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyriphos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carbaryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, ADL= above detection Limit, Colour = 5(80) = 80 Hazen Unit,
Turbidity = 0.1 = 3.91 NTU.

Remark: Detection Limit of Conductivity = 0.001 to 20 mS/cm, Chloride = 0.15 to 5000 mg/L,
Sodium = 1 to 1000 mg/L, SAR = 0.3 to 30.

***** End of Report *****

Tested By

(Signature)
(P.C.C.)
(Chemist)

Page 3 of 3

Checked By

(Signature)
(H.B.F.)
(Sr. Chemist)

Authorized By

(Signature)
(Technical Manager)

UERL/CHM/F-2/01

- ★ MoEF (Govt. of India) Recognized Environmental Laboratory under The Environment (Protection) Act-1986. (22.7.2009 to 21.7.2014)
 ★ Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II).

TEST REPORT

(Microbiology)

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | MICRO/12/10/089 | Date Of Report | 07/11/2012 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₈ |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 29/10/2012 | Sample Received Date | 29/10/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slight Yellow |
| Test Started Date | 29/10/2012 | Test Completion Date | 03/11/2012 |
| UERL Lab Sample ID.No.: MIC/12/10/089 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-2012 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 22 nd Ed.2012,9222-B | Absent | CFU/100 ml | 28 |
| 2 | Faecal Coliform | APHA 22 nd Ed.2012,9222-D | Absent | CFU/100 ml | 16 |

Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

--

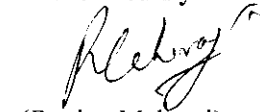
***** End of Report *****

Tested By



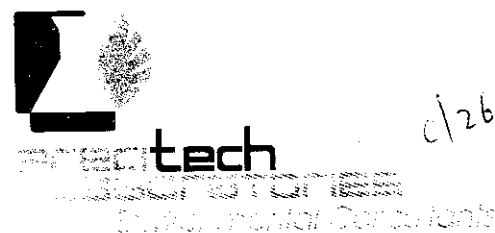
(Sujitha Anto)
Microbiologist

Authorized By



(Ranjan Maharaj)
Sr. Microbiologist

River Monitoring
Nov 1 2012



TEST CERTIFICATE

| Our Ref. No. | PLAWS/20121123020 | Issue Date | December 22, 2012 | | |
|-----------------------------------|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A9 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Moti Daman Jetty. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | ms/cm | 15.46 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 0.5 | APHA | -- |
| 4 | pH | -- | 7.38 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 104 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 9895 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | Mg/lit. | 2765 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 108 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 1023 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 50.06 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 268 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | 75 | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 5.7 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 9102 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 7778 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 163 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 0.2 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 9.2 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 53.2 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

Recognitions

Recognized Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123020 | Issue Date | December 22, 2012 | | |
|--|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A9 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Moti Daman Jetty. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 6.1 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 04 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf

Authorized Signatory

Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Recognitions

Contact

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e-mail: vapi@precitechlab.com

TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123019 | Issue Date | December 22, 2012 | | |
|-----------------------------------|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A8 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream At Khemani Diffuser Point. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 775 | APHA | -- |
| 2 | Temperature | °C | 28 | APHA | -- |
| 3 | Turbidity | NTU | 7.11 | APHA | -- |
| 4 | pH | -- | 7.85 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 88 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 1751 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 162 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 118 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | 34 | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 133 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 85 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 80 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | 12 | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 4.2 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 9145 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 1862 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 81 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 1.8 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | BDL | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | 0.51 | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 6.2 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | 4.34 | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd..-

Recognitions

 Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
 Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
 An ISO 9001:2008 Certified Laboratory

Contact

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 e-mail: vapi@precitechlab.com

TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123019 | Issue Date | December 22, 2012 | | |
|--|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A8 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream At Khemani Diffuser Point. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 2.8 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathion | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf



Authorized Signatory.

Recognitions
 Recognised Env. Lab under EPA-1986 by Ministry of Environment & Forests
 Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
 An ISO 9001:2008 Certified Laboratory

Contact
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 e-mail: vapi@precitechlab.com

TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123018 | Issue Date | December 22,2012 | | |
|-----------------------------------|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A7 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Zari Causeway Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 1203 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 0.5 | APHA | -- |
| 4 | pH | -- | 7.61 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 20 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 770 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 303 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 220 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 111 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 6 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 41 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | 15 | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 5.4 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 695 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 369 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 31.6 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 0.2 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 3 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 20.3 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

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TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123018 | Issue Date | December 22,2012 | | |
|--|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A7 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Zari Causeway Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 4.1 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | 04 | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

Recognitions

Recognized Env. Lab under EPA-1986 by Ministry of Environment & Forests
Recognized Environmental Auditors with Gujarat Pollution Control Board (GPCB)
An ISO 9001:2008 Certified Laboratory

Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123017 | Issue Date | December 22, 2012 | | |
|-----------------------------------|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A6 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Near Namdha Village. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 906 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 0.8 | APHA | -- |
| 4 | pH | -- | 7.64 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 18 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 812 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 278 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 109 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 91 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 12.01 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 35 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | 12 | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 5.6 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 455 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 278 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 30.2 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 0.1 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 7 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 40.2 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

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Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123017 | Issue Date | December 22, 2012 | | |
|--|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A6 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Near Namdha Village. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 8.2 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123016 | Issue Date | December 22, 2012 | | |
|-----------------------------------|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A5 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Vapi Weir. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 340 | APHA | -- |
| 2 | Temperature | °C | 28 | APHA | -- |
| 3 | Turbidity | NTU | 0.6 | APHA | -- |
| 4 | pH | -- | 8.39 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 21 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 228 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 109 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 97 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 27 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 10.01 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 15 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 7.0 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 192 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 16 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 25.1 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | BDL | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 28.5 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

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Recognitions

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e-mail: vapi@precitechlab.com



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TEST CERTIFICATE

| Our Ref. No. | PLAWS/20121123016 | Issue Date | December 22,2012 | | |
|--|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A5 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Vapi Weir. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 9.2 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathion | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 06 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


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TEST CERTIFICATE

| Our Ref. No. | PLWS/2012112315 | Issue Date | December 22, 2012 | | |
|-----------------------------------|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A4 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream at Naroli Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 289 | APHA | -- |
| 2 | Temperature | °C | 29 | APHA | -- |
| 3 | Turbidity | NTU | 0.5 | APHA | -- |
| 4 | pH | -- | 8.23 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 13 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 185 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 93 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 76 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 25.5 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 7 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 7.6 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 85.5 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 12 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 20.5 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 0.2 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | BDL | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 32.5 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/2012112315 | Issue Date | December 22, 2012 | | |
|--|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A4 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream at Naroli Bridge. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 3.1 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


Authorized Signatory.

Recognitions

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Contact

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Telefax: (0260) 2425542, 2420995, 2424901, 3298985
e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123014 | Issue Date | December 22,2012 | | |
|-----------------------------------|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A3 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Madhuban Dam. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 248 | APHA | -- |
| 2 | Temperature | °C | 28 | APHA | -- |
| 3 | Turbidity | NTU | 0.3 | APHA | -- |
| 4 | pH | -- | 7.92 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 15 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 158 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 72 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 68 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 19 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 6 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 7.5 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 93 | APHA | -- |
| 17 | Chloride (as Cl ⁻) | mg/lit. | 10 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 17.6 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | 0.1 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 0.3 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 29.3 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

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TEST CERTIFICATE

| Our Ref. No. | PLWS/2012123014 | Issue Date | December 22, 2012 | | |
|-----------------------------------|--|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/IDDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A3 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Madhuban Dam. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 2.6 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathian | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Aniophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 02 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |

Note: This report is subjected to the terms and conditions mentioned overleaf

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e-mail: vapi@precitechlab.com



TEST CERTIFICATE

| Our Ref. No. | PLWS/2012121123013 | Issue Date | December 22,2012 | | |
|-----------------------------------|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A2 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Lavachha Temple. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 296 | APHA | -- |
| 2 | Temperature | °C | 30 | APHA | -- |
| 3 | Turbidity | NTU | 0.7 | APHA | -- |
| 4 | pH | -- | 8.15 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 17 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 198 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 117 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 80 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 29 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 11.01 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | 12 | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 7.4 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 90 | APHA | -- |
| 17 | Chloride (as Cl ⁻) | mg/lit. | 18 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 14.3 | APHA | -- |
| 19 | Fluoride (as F ⁻) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 1.2 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 22 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

Contd../-

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TEST CERTIFICATE

| Our Ref. No. | PLWS/2012121123013 | Issue Date | December 22, 2012 | | |
|--|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW – A2 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Lavachha Temple. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 10.9 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathion | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyriphos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 02 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf


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c/10

TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123012 | Issue Date | December 22,2012 | | |
|-----------------------------------|---|--------------------------|------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A1 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Surat Beverages. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 1 | Conductivity | µmhos/cm | 355 | APHA | -- |
| 2 | Temperature | °C | 28 | APHA | -- |
| 3 | Turbidity | NTU | 0.5 | APHA | -- |
| 4 | pH | -- | 8.02 | APHA | 5.5-9.0 |
| 5 | Total Suspended Solids | mg/lit. | 12 | APHA | NMT 100 mg/lit |
| 6 | Total Dissolved Solids | mg/lit. | 225 | APHA | -- |
| 7 | Total Hardness (as CaCO ₃) | mg/lit. | 97 | APHA | -- |
| 8 | Total Alkalinity (as CaCO ₃) | mg/lit. | 84 | APHA | -- |
| 9 | Phenolphthalein Alkalinity | mg/lit. | BDL | APHA | -- |
| 10 | Calcium (as Ca) | mg/lit. | 24 | APHA | -- |
| 11 | Magnesium (as Mg) | mg/lit. | 9.01 | APHA | -- |
| 12 | Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 250 mg/lit |
| 13 | Bio Chemical Oxygen Demand | mg/lit. | BDL | APHA | NMT 30 mg/lit |
| 14 | Dissolved Oxygen | mg/lit. | 7.4 | APHA | -- |
| 15 | Total Kjeldahl Nitrogen | mg/lit. | BDL | APHA | NMT 100 mg/lit |
| 16 | Total Fixed Solids | mg/lit. | 190 | APHA | -- |
| 17 | Chloride (as Cl) | mg/lit. | 21 | APHA | -- |
| 18 | Sulphate (as SO ₄) | mg/lit. | 40.1 | APHA | -- |
| 19 | Fluoride (as F) | mg/lit. | 0.8 | APHA | NMT 2.0 mg/lit |
| 20 | Nitrate (as NO ₃) | mg/lit. | 3 | APHA | NMT 10 mg/lit |
| 21 | Chromium (as Cr) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 22 | Total Phosphate (as PO ₄) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 23 | Sodium (as Na) | mg/lit. | 25 | APHA | -- |
| 24 | Ammonia (as NH ₃) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 25 | Zinc (as Zn) | mg/lit. | BDL | APHA | NMT 5.0 mg/lit |
| 26 | Iron (as Fe) | mg/lit. | BDL | APHA | 0.3 mg/lit. |

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c/a

TEST CERTIFICATE

| Our Ref. No. | PLWS/20121123012 | Issue Date | December 22, 2012 | | |
|--|---|--------------------------|-------------------|--------|-------------------|
| Customer Name & Address | Pollution Control Committee, Daman. | | | | |
| Customer Ref. No & Date | PCC/DDD projects/RW/2012-2013/127 Dated : 23/05/2012. | | | | |
| Part A: SAMPLE PARTICULARS | | | | | |
| Sample Description | Daman Ganga River Water RW - A1 | | | | |
| Sample Quantity | 5 Lit. | Packing | Plastic Carboy | | |
| Sample Collection Date | 23/11/2012 | Sample Receipt Date | 27/11/2012 | | |
| Analysis Start Date | 27/11/2012 | Analysis Completion Date | 21/12/2012 | | |
| Part B: SAMPLING DETAILS | | | | | |
| Sample Collection | Collected by Us. | | | | |
| Sampling Procedure | -- | | | | |
| Sampling Location | Down Stream Surat Beverages. | | | | |
| Any Other Information | -- | | | | |
| Part C: TEST RESULTS | | | | | |
| Sr. No. | Test Parameters | Unit | Results | Method | General Standards |
| 27 | Lead (as Pb) | mg/lit. | BDL | APHA | NMT 0.1 mg/lit |
| 28 | Nickel (as Ni) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 29 | Arsenic (as As) | mg/lit. | BDL | APHA | NMT 0.2 mg/lit |
| 30 | Mercury (as Hg) | mg/lit. | BDL | APHA | NMT 0.01 mg/lit |
| 31 | Cadmium (as Cd) | mg/lit. | BDL | APHA | NMT 2.0 mg/lit |
| 32 | Boron (as B) | mg/lit. | BDL | APHA | NMT 5 mg/lit. |
| 33 | Copper (as Cu) | mg/lit. | BDL | APHA | NMT 3.0 mg/lit |
| 34 | Potassium (as K) | mg/lit. | 2.8 | APHA | -- |
| 35 | Alpha BHC | mg/lit. | BDL | APHA | Absent |
| 36 | Beta BHC | mg/lit. | BDL | APHA | Absent |
| 37 | Gamma BHC | mg/lit. | BDL | APHA | Absent |
| 38 | OP-DDT | mg/lit. | BDL | APHA | Absent |
| 39 | PP-DDT | mg/lit. | BDL | APHA | Absent |
| 40 | A-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 41 | B-Endosulphan | mg/lit. | BDL | APHA | Absent |
| 42 | Dieldrin | mg/lit. | BDL | APHA | Absent |
| 43 | Carbaryl (Carbamate) | mg/lit. | BDL | APHA | Absent |
| 44 | 2,4-D | mg/lit. | BDL | APHA | Absent |
| 45 | Aldrin | mg/lit. | BDL | APHA | Absent |
| 46 | Malathion | mg/lit. | BDL | APHA | Absent |
| 47 | Methyl parathion | mg/lit. | BDL | APHA | Absent |
| 48 | Anilophos | mg/lit. | BDL | APHA | Absent |
| 49 | Chloropyrifos | mg/lit. | BDL | APHA | Absent |
| 50 | Microbiological Test | | | | |
| | Total Coliform | cfu/100ml | 04 | IS | 0/100 ml |
| | Fecal Coliform | cfu/100ml | Nil | IS | 0/100 ml |
| Part D: REMARKS: BDL = Below Detection Limit. | | | | | |

Note: This report is subjected to the terms and conditions mentioned overleaf

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River water

Dec' 2012

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 MoEF (Govt. of India) Recognized
 Environmental Laboratory under the Environment
 (Protection) Act-1986 (22.7.2009 to 21.7.2014)

 NABL (ISO/IEC:17025)
 Accredited Laboratory
 Certificate Nos.: Chemical Testing: I-2239
 Biological Testing: T-2240 (07.06.2012 to 06.06.2014)

 OHSA: 18001:2007
 Registered
 M4340509/D
TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/12/114 | Date Of Report | 04/01/2013 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River Water | Sample Qty. | 5 Lt. |
| Sampling Date | 26/12/2012 | Sample Received Date | 27/12/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 27/12/2012 | Test Completion Date | 03/01/2013 |
| UERL Lab Sample ID.No. Chem/12/12/114 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|---------|--------------------------------------|---|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 1(10) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | ^o C | 32 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O ₂ B) | -- | mg/L | 7.2 |
| 5. | pH at 25 ^o C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H ⁺ B) | 6.5 - 8.5 | Unit | 7.65 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | μ s | 165.2 |
| 7. | BOD (3 days at 27 ^o C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | BDL(<5.0) |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO ₃ -B) | 45 | mg/L | BDL(<0.01) |
| 9. | Nitrite- N | APHA 21 st Ed.2005,4500NO ₂ B | -- | mg/L | BDL(<0.005) |
| 10. | Arsenic | APHA 21 st Ed.2005,3114-C | 0.01 | mg/L | BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.003 | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 | mg/L | 0.03 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.01 | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | 0.05 | mg/L | BDL(<0.2) |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | 0.02 | mg/L | 0.16 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 | mg/L | 0.21 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 1 | NTU | 0.1 |



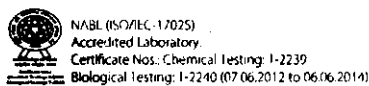
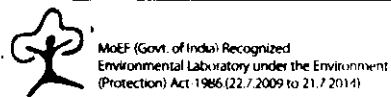
TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/12/114 | Date Of Report | 04/01/2013 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/12/2012 | Sample Received Date | 27/12/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 27/12/2012 | Test Completion Date | 03/01/2013 |
| UERL Lab Sample ID.No. Chem/12/12/114 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|---------|----------------------------------|--|----------------------------|---------------------|------------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | BDL |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 98 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 | mg/L | 7 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,5220-B). | -- | mg/L | 16 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988. (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | 0.5 | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009, Amd.1 | 200 | mg/L | 79 |
| 28. | Calcium | APHA21 st Ed.2005,3500 Ca.B) | 75 | mg/L | 12 |
| 29. | Magnesium | APHA21 st Ed.2005, 3500 Mg.B | 30 | mg/L | 12 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 | mg/L | 4 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na.B | --- | mg/L | 11.9 |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540 -C), IS 3025(Part 16)1984 | 500 | mg/L | 108 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984, Amd.1 (APHA 21 st Ed.2005,2540 -E). | -- | mg/L | 26 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984, Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 24 |
| 35. | Phosphate | (APHA 21 st Ed.,2005.4500-P,D) | -- | mg/L | 0.1 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 0.5 | mg/L | BDL |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 6.7 |
| 39. | Fluoride | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 | mg/L | BDL(<0.15) |
| | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | mg/L | 3.44 |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 | mg/L | 80 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | BDL |





TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|----------------|
| Report No. | UERL /Chem/12/12/114 | Date Of Report | 04/01/2013 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A ₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/12/2012 | Sample Received Date | 27/12/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 27/12/2012 | Test Completion Date | 03/01/2013 |
| UERL Lab Sample ID.No. Chem/12/12/114 | | | |

TEST RESULTS

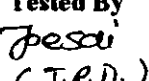
| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|----------------------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gamma BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyrifos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carboryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | Anilophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

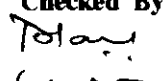
Note: BDL = Below Detection Limit, Colour = 1(10) = 10 Hazen Unit, Turbidity = 0.1 = 2.8 NTU,

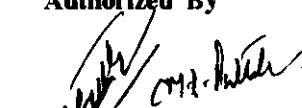
***** End of Report *****

Note:

- 1) The results listed refer only to the Tested Sample and applicable parameters at the time of testing.
- 2) This Test Report shall not be reproduced except in full without approval by LABORATORY DIVISION M/S UNISTAR ENVIRONMENT & RESEARCH LABS PVT.LTD.
- 3) This analyst opinions or interpretations contained in the report are based upon material and information supplied by customer.
- 4) Perishable samples will not be retained for more than 15 days from the date of issue of test report and for others, retention period of tested samples one month only unless otherwise agreed with the customer or as required by the applicable regulation.

Tested By

 (J.P.D.)
 (Chemist)

Checked By

 (H.B.T.)
 (Sr. Chemist)

Authorized By

 (Technical Manager)
 UERL/CHM/F-2/01

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NABL (ISO/IEC-17025)
Accredited Laboratory
Certificate Nos.: Chemical Testing: I-2239
Biological Testing: I-2240 (07.06.2012 to 06.06.2014)



OHSAS 18001:2007
Registered
M43409094D

TEST REPORT

(Microbiology)

| | | | |
|--|--|----------------------|--|
| Report No. | MICRO/12/12/ 114 | Date Of Report | 04/01/2013 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Station Code No. A₃ |
| Sample Details | River water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/12/2012 | Sample Received Date | 27/12/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Colourless |
| Test Started Date | 27/12/2012 | Test Completion Date | 29/12/2012 |
| UERL Lab Sample ID.No. MIC/12/12/ 114 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|---------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed. 2005.9222-B | Absent | CFU/100 ml | 0 |
| 2 | Faecal Coliform | APHA 21 st Ed. 2005.9222-D | Absent | CFU/100 ml | 3 |

Remarks: The sample portion tested ~~does~~ / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

***** End of Report *****

Tested By

S.A. Rana
(Sachin A. Rana)
Microbiologist

Authorized By

R. Chary
(Ranjan Maharaj)
Sr. Microbiologist

TEST REPORT

| | | | |
|--|--|----------------------|------------------------------|
| Report No. | UERL /Chem/12/12/115 | Date Of Report | 04/01/2013 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | | Sample Code No. A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/12/2012 | Sample Received Date | 27/12/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 27/12/2012 | Test Completion Date | 03/01/2013 |
| UERL Lab Sample ID.No. Chem/12/12/115 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|---------|--------------------------------------|---|----------------------------|---------------------|-----------------|
| 1. | Colour | IS 3025(Part 4)1983 | 5 Hazen unit | Hazen unit | 5(80) |
| 2. | Odour | IS 3025(Part 5)1983 | Unobjectionable | -- | Unobjectionable |
| 3. | Temperature | IS 3025(Part 9)1984 | -- | ^o C | 32 |
| 4. | Dissolve Oxygen | IS 3025(Part 38)1989, (APHA 21 st Ed.,2005,4500-O,B), | -- | mg/L | 6.2 |
| 5. | pH at 25 ^o C | IS 3025(Part 11)1983, (APHA 21 st Ed.,2005,4500-H ^o B) | 6.5 - 8.5 | Unit | 6.24 |
| 6. | Conductivity | IS 3025(Part 14)1984 | -- | µs | 13600 |
| 7. | BOD (3 days at 27 ^o C) | IS 3025(Part 44)1993Amd.01 | -- | mg/L | 38 |
| 8. | Nitrate as N | (APHA 21 st Ed.,2005,4500 NO3-B) | 45 | mg/L | 0.6 |
| 9. | Nitrite- N | APHA21 st Ed.2005.4500NO ₂ B | -- | mg/L | 0.22 |
| 10. | Arsenic | APHA21 st Ed.2005.3114-C | 0.01 | mg/L | BDL(<0.01) |
| 11. | Cadmium | IS 3025(Part 41)1992, (APHA 21 st Ed.,2005,3111-B) | 0.003 | mg/L | BDL(<0.1) |
| 12. | Copper | IS 3025(Part 42)1992amd.01, (APHA 21 st Ed.,2005,3111-B) | 0.05 | mg/L | 0.04 |
| 13. | Lead | IS 3025(Part 47)1994Amd.02, (APHA 21 st Ed.,2005,3111-B) | 0.01 | mg/L | BDL(<1.0) |
| 14. | Chromium | IS 3025(Part 52)2003, (APHA 21 st Ed.,2005,3111-B) | 0.05 | mg/L | 0.49 |
| 15. | Nickel | IS 3025(Part 54)2003, (APHA 21 st Ed.,2005,3111-B) | 0.02 | mg/L | 0.34 |
| 16. | Zinc | IS 3025(Part 49)1994, (APHA 21 st Ed.,2005,3111-B) | 5 | mg/L | BDL(<0.1) |
| 17. | Mercury | (APHA 21 st Ed.,2005,3112-B) | 0.001 | mg/L | BDL(<0.1) |
| 18. | Iron | IS 3025(Part 53)2003, (APHA 21 st Ed.,2005,3111-B) | 0.3 | mg/L | 0.39 |
| 19. | Cyanide | IS 3025(Part 27)1986 | 0.05 | mg/L | BDL |
| 20. | Turbidity | IS 3025(Part 10)1984 | 1 | NTU | 0.1 |



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NABL (ISO/IEC-17025)
Accredited Laboratory.
Certificate Nos.: Chemical Testing: I-2239
Biological Testing: I-2240 (07.06.2012 to 06.06.2014)



ISO 9001:2008
Registered
M4340909ID

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/12/115 | Date Of Report | 04/01/2013 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/12/2012 | Sample Received Date | 27/12/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 27/12/2012 | Test Completion Date | 03/01/2013 |
| UERL Lab Sample ID.No. Chem/12/12/115 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|---------|----------------------------------|--|----------------------------|---------------------|-----------|
| 21. | Carbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | BDL |
| 22. | Bicarbonate as CaCO ₃ | IS 3025(Part 51)2001 | -- | mg/L | 153 |
| 23. | Chloride | IS 3025(Part 32)1988 (APHA 21 st Ed.,2005,4500-Cl) | 250 | mg/L | 3613 |
| 24. | COD | IS 3025(Part 58)2006, (APHA 21 st Ed.,2005,3220-B), | -- | mg/L | 135 |
| 25. | TKN | APHA 21 st Ed.,2005,4500 NH ₃ - B | -- | mg/L | BDL(<5.0) |
| 26. | Ammonia as N | IS 3025(Part 34)1988, (APHA 21 st Ed.,2005,4500 NH ₃ -B&C), | 0.5 | mg/L | BDL(<5.0) |
| 27. | Hardness | IS 3025(Part 21)2009,Amd.1 | 200 | mg/L | 1376 |
| 28. | Calcium | APHA 21 st Ed.2005,3500 Ca,B) | 75 | mg/L | 131 |
| 29. | Magnesium | APHA 21 st Ed.2005, 3500 Mg,B | 30 | mg/L | 255 |
| 30. | Sulphate | IS 3025(Part 24)1986 | 200 | mg/L | 500 |
| 31. | Sodium | APHA 21 st Ed.2005,3500 Na,B | -- | mg/L | ADL |
| 32. | TDS (Total Dissolve Solids) | (APHA 21 st Ed.,2005,2540- C), IS 3025(Part 16)1984 | 500 | mg/L | 7704 |
| 33. | TFS (Total Fixed Solids) | IS 3025(Part 18)1984,Amd.1 (APHA 21 st Ed.2005,2540 -E), | -- | mg/L | 6520 |
| 34. | TSS (Total Suspended Solids) | IS 3025(Part 17)1984,Amd.1 (APHA 21 st Ed.2005,2540 -D), | -- | mg/L | 276 |
| 35. | Phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | 3.0 |
| 36. | Ortho phosphate | (APHA 21 st Ed.,2005,4500-P,D) | -- | mg/L | BDL |
| 37. | Boron | -- | 0.5 | mg/L | 1.1 |
| 38. | Potassium | APHA 21 st Ed.2005,3500 K,B | -- | mg/L | 75.6 |
| 39. | Fluonide | (APHA 21 st Ed.,2005,4500 F,D) | 1.0 | mg/L | 0.8 |
| 40. | % Na | By Calculation | -- | % | BDL(<10) |
| 41. | SAR | By Calculation | -- | -- | ADL |
| 42. | Total Alkalinity | IS 3025(Part 23)1986, Amd.2 | 200 | mg/L | 126 |
| 43. | P - Alkalinity | IS 3025(Part 23)1986, Amd.2 | -- | mg/L | BDL |





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(Protection) Act-1986 (22.7.2009 to 21.7.2014)



NABL (ISO/IEC-17025)
Accredited Laboratory
Certificate Nos.: Chemical Testing: I-2239
Biological Testing: T-2240 (07.06.2012 to 06.06.2014)



OHSAS: 18001: 2007
Registered
M4340909ID

TEST REPORT

| | | | |
|---------------------------------------|---|----------------------|-----------------|
| Report No. | UERL /Chem/12/12/115 | Date Of Report | 04/01/2013 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Sample Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lt. |
| Sampling Date | 26/12/2012 | Sample Received Date | 27/12/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Slightly yellow |
| Test Started Date | 27/12/2012 | Test Completion Date | 03/01/2013 |
| UERL Lab Sample ID.No. Chem/12/12/115 | | | |

TEST RESULTS

| Sr. No. | Parameters | Test Method | Limit as per IS:10500:2012 | Unit Of Measurement | Results |
|--------------------|----------------------|-----------------|----------------------------|---------------------|---------|
| Pesticides: | | | | | |
| 44. | Alpha BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 45. | Beta BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 46. | Gamma BHC | US EPA 508-1995 | Absent | ppb | Absent |
| 47. | OP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 48. | PP DDT | US EPA 508-1995 | Absent | ppb | Absent |
| 49. | Alpha Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 50. | Beta Endosulphan | US EPA 508-1995 | Absent | ppb | Absent |
| 51. | Dieldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 52. | 2-4 D | US EPA 508-1995 | Absent | ppb | Absent |
| 53. | Aldrin | US EPA 508-1995 | Absent | ppb | Absent |
| 54. | Chloropyrifos. | US EPA 508-1995 | Absent | ppb | Absent |
| 55. | Carboryl (Carbamate) | US EPA 508-1995 | Absent | ppb | Absent |
| 56. | Methyl Parathin | US EPA 508-1995 | Absent | ppb | Absent |
| 57. | ABDLophos | US EPA 508-1995 | Absent | ppb | Absent |
| 58. | Malathian | US EPA 508-1995 | Absent | ppb | Absent |

Note: BDL = Below Detection Limit, ADL= above detection Limit, Colour = 5(80) = 80 Hazen Unit,
Turbidity = 0.1 = 3.1 NTU.

Remark: Detection Limit of Sodium = 1 to 1000 mg/L, SAR = 0.3 to 30.

***** End of Report *****

Note:

- 1) The results listed refer only to the Tested Sample and applicable parameters at the time of testing.
- 2) This Test Report shall not be reproduced except in full without approval by LABORATORY DIVISION M/S UNISTAR ENVIRONMENT & RESEARCH LABS PVT.LTD.
- 3) This analyst opinions or interpretations contained in the report are based upon material and information supplied by customer.
- 4) Perishable samples will not be retained for more than 15 days from the date of issue of test report and for others, retention period of tested samples one month only unless otherwise agreed with the customer or as required by the applicable regulation.

Tested By
Jesal
(J.P.D.)
(Chemist)

Checked By
H.B.T.
(H.B.T.)
(Sr. Chemist)

Authorized By
[Signature]
(Technical Manager)
UERL/CHM/F-2/01

Page 3 of 3

Regd. Office : 215, Royal Arcade, Near G.I.D.C. Office, Char Rasta, Vapi-396195, Gujarat, India.
Extended work office: 1. Gandhidham, Kutchchh, Gujarat. 2. D-II/E/177 & 178, GIDC, Dahej-II, Bharuch, Gujarat.



TEST REPORT
(Microbiology)

| | | | |
|--|--|----------------------|---------------------|
| Report No. | MICRO/12/12/ 115 | Date Of Report | 04/01/2013 |
| Name & Address of Customer | M/s. Pollution Control Committee. U.T. of DD and DNH. Daman. | Station Code No. | A8 |
| Sample Details | River Water | Sample Qty. | 5 Lit. |
| Sampling Date | 26/12/2012 | Sample Received Date | 27/12/2012 |
| Sampled By | P.C.C. Hand Over to Us. | Appearance Of Sample | Light Yellow |
| Test Started Date | 27/12/2012 | Test Completion Date | 29/12/2012 |
| UERL Lab Sample ID.No. MIC/12/12/ 115 | | | |

TEST RESULTS:

| Sr. No. | Parameters | Test Method | Limit as per IS:10500-1991 | Unit Of Measurement | Results |
|---------|-----------------|--------------------------------------|----------------------------|---------------------|---------|
| 1 | Total Coliform | APHA 21 st Ed.2005,9222-B | Absent | CFU/100 ml | 11 |
| 2 | Faecal Coliform | APHA 21 st Ed.2005,9222-D | Absent | CFU/100 ml | 5 |

Remarks: The sample portion tested does / doesn't comply as per drinking water specifications.

Opinions and Interpretations: (if required)

--

***** End of Report *****

Tested By

S.A. Rana
(Sneha A. Rana)
Microbiologist

Authorized By

R. Mahajan
(Ranjan Mahajan)
Sr. Microbiologist