

| GANESH VISARJAN DATA OF 2020 | | | | |
|--|-----------------------------|-------------------------------|------------------------------|--|
| River Mandovi at Ferry Point 2020 | | | | |
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh visarjan |
| 1 | Date & Time | 17.08.2020 & 01:00 p.m | 31.08.2020 & 01:00p.m | 11.09.2020 & 12:20p.m |
| 2 | Weather | Cloudy | Clear | Raining |
| 3 | Colour | Light brown | Light brown | Clear |
| 4 | Odour | Odourless | Odourless | Odourless |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 6.66 | 6.81 | 8.07 |
| 7 | Temperature °C | 27 | 29 | 29 |
| 8 | Cond µS/cm | 215.05 | 4140 | 11970 |
| 9 | Turb NTU | 57.7 | 15.3 | 11.67 |
| 10 | DO mg/l | 7 | 6.8 | 6.5 |
| 11 | BOD mg/l | BDL | BDL | BDL |
| 12 | Chemical Oxygen Demand | 10.0 | 4.0 | 8.0 |
| 13 | Total Dissolved Solids mg/l | 136.0 | 2401.0 | 7062.0 |
| 14 | Total Solids mg/l | 167.0 | 2558.0 | 7259.0 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | BDL | BDL | 0.054 |
| 17 | Zinc mg/l | 0.04 | 0.064 | 0.075 |
| 18 | Copper mg/l | 0.021 | 0.018 | 0.034 |

| River Mapusa at Taricode- Mapusa 2020 | | | | |
|--|-----------------------------|-------------------------------|------------------------------|--|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh Visarjan |
| 1 | Date & Time | 17.08.2020 & 12:00 p.m | 31.08.2020 & 12:00 p.m | 11.09.2020 & 10:30 a.m |
| 2 | Weather | Cloudy | Clear | Sunny |
| 3 | Colour | Light Brown | Light Brown | Clear |
| 4 | Odour | Odourless | Odourless | Odourless |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 6.35 | 6.3 | 7.73 |
| 7 | Temperature °C | 27 | 28 | 29 |
| 8 | Cond µs/cm | 94.9 | 146.85 | 218.8 |
| 9 | Turb NTU | 7.58 | 1.97 | 7.43 |
| 10 | DO mg/l | 3.7 | 2.2 | 1.6 |
| 11 | BOD mg/l | BDL | 6.4 | 5.2 |
| 12 | COD mg/l | 16 | 14 | 10 |
| 13 | Total Dissolved Solids mg/l | 59 | 88 | 134 |
| 14 | Total Solids mg/l | 78 | 151 | 161 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | BDL | 0.041 | BDL |
| 17 | Zinc mg/l | 0.028 | 0.045 | 0.036 |
| 18 | Copper mg/l | 0.039 | 0.035 | 0.045 |

| Carambolim Lake at Carambolim 2020 | | | | |
|------------------------------------|-----------------------------|------------------------|-----------------------|---------------------------------|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh visarjan |
| 1 | Date & Time | 17.08.2020 &11:10 a.m | 31.08.2020 &10:30a.m | 11.09.2020 &11:05a.m |
| 2 | Weather | Cloudy | Sunny | Raining |
| 3 | Colour | Light brown | Light brown | Clear |
| 4 | Odour | Odourless | Odourless | Odourless |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 6.7 | 6.9 | 6.8 |
| 7 | Temperature °C | 27 | 29 | 28 |
| 8 | Cond µs/cm | 107.7 | 134.52 | 135.1 |
| 9 | Turb NTU | 4.6 | 3.15 | 3.86 |
| 10 | DO mg/l | 3.8 | 8.2 | 2.5 |
| 11 | BOD mg/l | BDL | BDL | 4.8 |
| 12 | COD mg/l | 6 | 8 | 16 |
| 13 | Total Dissolved Solids mg/l | 75 | 85 | 92 |
| 14 | Total Solids mg/l | 119 | 123 | 172 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | BDL | 0.043 | 0.039 |
| 17 | Zinc mg/l | 0.028 | 0.044 | 0.029 |
| 18 | Copper mg/l | 0.034 | 0.046 | 0.036 |

| Carkhamba (Mansher) Panaji – St. Cruz road 2020 | | | | |
|---|-----------------------------|------------------------|-----------------------|---------------------------------|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh visarjan |
| 1 | Date & Time | 17.08.2020 &12:30 p.m | 31.08.2020 &12:30p.m | 11.09.2020 & 12:00p.m |
| 2 | Weather | Cloudy | Clear | Raining |
| 3 | Colour | Light brown | Light brown | Clear |
| 4 | Odour | Odourless | Odourless | Clear |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 6.82 | 7.01 | 7.1 |
| 7 | Temperature °C | 27 | 29 | 29 |
| 8 | Cond µS/cm | 746.69 | 1672 | 11410 |
| 9 | Turb NTU | 13.49 | 12.26 | 4.61 |
| 10 | DO mg/l | 6 | 7.2 | 6 |
| 11 | BOD mg/l | BDL | BDL | BDL |
| 12 | COD mg/l | 4 | 8 | 10 |
| 13 | Total Dissolved Solids mg/l | 448 | 969 | 6846 |
| 14 | Total Solids mg/l | 479 | 1052 | 7001 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | BDL | BDL | 0.045 |
| 17 | Zinc mg/l | 0.056 | 0.059 | 0.07 |
| 18 | Copper mg/l | 0.064 | 0.052 | 0.044 |

| Near the bridge , Chereaband , Dandora, Cuncolim 2020 | | | | |
|---|-----------------------------|------------------------|-----------------------|---------------------------------|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh Visarjan |
| 1 | Date & Time | 18.08.2020 &11:45 a.m | 01.09.2020 &12:00p.m | 14.09.2020 &11:00a.m |
| 2 | Weather | Cloudy | Sunny | Cloudy |
| 3 | Colour | Light brown | Light brown | Brownish |
| 4 | Odour | Odourless | Odourless | Odourless |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 6.36 | 6.44 | 6.68 |
| 7 | Temperature °C | 27 | 28 | 28 |
| 8 | Cond µs/cm | 69.6 | 65.92 | 90.14 |
| 9 | Turb NTU | 12.2 | 9.46 | 20.3 |
| 10 | DO mg/l | 7.6 | 6.9 | 7 |
| 11 | BOD mg/l | BDL | BDL | BDL |
| 12 | COD mg/l | 10 | 8 | 6 |
| 13 | Total Dissolved Solids mg/l | 44 | 42 | 57 |
| 14 | Total Solids mg/l | 55 | 56 | 62 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | BDL | 0.037 | 0.064 |
| 17 | Zinc mg/l | 0.013 | 0.012 | 0.012 |
| 18 | Copper mg/l | 0.051 | 0.04 | 0.042 |

| Near Railway bridge, Khandiwada , Curchorem 2020 | | | | |
|--|-----------------------------|------------------------|-----------------------|---------------------------------|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh visarjan |
| 1 | Date & Time | 18.08.2020 &11:30 a.m | 01.09.2020 &09:50a.m | 14.09.2020 &11:00a.m |
| 2 | Weather | Cloudy | Sunny | Cloudy |
| 3 | Colour | Clear | Light brown | Clear |
| 4 | Odour | Odourless | Odourless | Odourless |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 6.6 | 6.26 | 6.76 |
| 7 | Temperature °C | 27 | 28 | 28 |
| 8 | Cond µs/cm | 80.82 | 80.91 | 69.38 |
| 9 | Turb NTU | 16.3 | 5.07 | 11.23 |
| 10 | DO mg/l | 5.2 | 4.9 | 5.2 |
| 11 | BOD mg/l | BDL | BDL | BDL |
| 12 | COD mg/l | 4 | 6 | 10 |
| 13 | Total Dissolved Solids mg/l | 50 | 47 | 60 |
| 14 | Total Solids mg/l | 74 | 69 | 94 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | 0.042 | BDL | BDL |
| 17 | Zinc mg/l | 0.024 | 0.018 | 0.034 |
| 18 | Copper mg/l | 0.043 | 0.026 | 0.036 |

| Paraste, Harmalkar wada, Pernem 2020 | | | | |
|--------------------------------------|-----------------------------|------------------------|-----------------------|---------------------------------|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh visarjan |
| 1 | Date & Time | 17.08.2020 &11:00 a.m | 31.08.2020 &11:15a.m | 11.09.2020 &10:45a.m |
| 2 | Weather | Cloudy | Cloudy | Sunny |
| 3 | Colour | Light brown | Light brown | Clear |
| 4 | Odour | Odourless | Odourless | Odourless |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 6.47 | 6.54 | 7.18 |
| 7 | Temperature °C | 26 | 28 | 28 |
| 8 | Cond µs/cm | 60.82 | 97.08 | 112.36 |
| 9 | Turb NTU | 27.8 | 12.7 | 9.1 |
| 10 | DO mg/l | 7.1 | 7.3 | 7.1 |
| 11 | BOD mg/l | BDL | BDL | BDL |
| 12 | COD mg/l | 12 | 6 | 12 |
| 13 | Total Dissolved Solids mg/l | 37 | 60 | 69 |
| 14 | Total Solids mg/l | 59 | 98 | 107 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | BDL | BDL | BDL |
| 17 | Zinc mg/l | 0.034 | 0.04 | 0.016 |
| 18 | Copper mg/l | 0.043 | 0.021 | 0.028 |

| Daudkiwada River, Daudkiwada-velus, ward no. 1, Valpoi 2020 | | | | |
|---|-----------------------------|------------------------|-----------------------|---------------------------------|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh visarjan |
| 1 | Date & Time | 17.08.2020 &12:20p.m | 31.08.2020 &12:20p.m | 11.09.2020 &12:10p.m |
| 2 | Weather | Raining | Sunny | Raining |
| 3 | Colour | Brown | Light brown | Clear |
| 4 | Odour | Odourless | Odourless | Odourless |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 6.8 | 6.7 | 6.6 |
| 7 | Temperature °C | 27 | 29 | 27 |
| 8 | Cond µs/cm | 57.83 | 64.6 | 69.89 |
| 9 | Turb NTU | 21.2 | 3.95 | 2.52 |
| 10 | DO mg/l | 7.3 | 7.8 | 8.1 |
| 11 | BOD mg/l | BDL | BDL | BDL |
| 12 | COD mg/l | 4 | 10 | 8 |
| 13 | Total Dissolved Solids mg/l | 40 | 44 | 48 |
| 14 | Total Solids mg/l | 78 | 86 | 109 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | BDL | BDL | 0.043 |
| 17 | Zinc mg/l | 0.018 | 0.047 | 0.035 |
| 18 | Copper mg/l | 0.016 | 0.037 | 0.043 |

| Near bridge, Orcotto, ward no. 4, Sanguem 2020 | | | | |
|--|-----------------------------|------------------------|-----------------------|---------------------------------|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh visarjan |
| 1 | Date & Time | 18.08.2020 &11:00 a.m | 01.09.2020 &10:30a.m | 14.09.2020 &10:30a.m |
| 2 | Weather | Cloudy | Sunny | Cloudy |
| 3 | Colour | Light brown | Light brown | Clear |
| 4 | Odour | Odourless | Odourless | Odourfree |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 7.45 | 6.36 | 6.68 |
| 7 | Temperature °C | 27 | 29 | 28 |
| 8 | Cond µs/cm | 60.75 | 60.75 | 41.98 |
| 9 | Turb NTU | 18.4 | 13.9 | 32.3 |
| 10 | DO mg/l | 6.6 | 6.6 | 7.7 |
| 11 | BOD mg/l | BDL | BDL | BDL |
| 12 | COD mg/l | 6 | 6 | 6 |
| 13 | Total Dissolved Solids mg/l | 34 | 36 | 55 |
| 14 | Total Solids mg/l | 49 | 49 | 73 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | BDL | BDL | 0.074 |
| 17 | Zinc mg/l | 0.037 | 0.013 | 0.017 |
| 18 | Copper mg/l | 0.063 | 0.034 | 0.042 |

| Pimpolcotto, ward no. 2, Sanguem 2020 | | | | |
|---------------------------------------|-----------------------------|------------------------|-----------------------|---------------------------------|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh visarjan |
| 1 | Date & Time | 18.08.2020 &10:20 a.m | 01.09.2020 &11:00a.m | 14.09.2020 &10:10a.m |
| 2 | Weather | Cloudy | Sunny | Cloudy |
| 3 | Colour | Clear | Clear | Reddish |
| 4 | Odour | Odourless | Odourless | Odourfree |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 6.57 | 6.73 | 6.99 |
| 7 | Temperature °C | 27 | 29 | 28 |
| 8 | Cond µs/cm | 63.81 | 54.74 | 50.62 |
| 9 | Turb NTU | 10.3 | 7.75 | 7.66 |
| 10 | DO mg/l | 7.9 | 7.5 | 7.2 |
| 11 | BOD mg/l | BDL | BDL | BDL |
| 12 | COD mg/l | 4 | 10 | 10 |
| 13 | Total Dissolved Solids mg/l | 37 | 32 | 29 |
| 14 | Total Solids mg/l | 61 | 55 | 43 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | BDL | BDL | 0.035 |
| 17 | Zinc mg/l | 0.036 | 0.024 | 0.031 |
| 18 | Copper mg/l | 0.067 | 0.033 | 0.052 |

| Panefond River, Kindlebag, ward no. 5, Canacona 2020 | | | | |
|--|-----------------------------|------------------------|-----------------------|---------------------------------|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh visarjan |
| 1 | Date & Time | 18.08.2020 & 02:35p.m | 01.09.2020 & 02:15p.m | 14.09.2020 & 01:00p.m |
| 2 | Weather | Cloudy | Sunny | Cloudy |
| 3 | Colour | Light brown | Light brown | Brownish |
| 4 | Odour | Odourless | Odourless | Odourless |
| 5 | Human Activity | Nil | Nil | Nil |
| 6 | pH | 6.37 | 6.41 | 6.53 |
| 7 | Temperature °C | 27 | 27 | 28 |
| 8 | Cond µs/cm | 67.92 | 88.27 | 70.58 |
| 9 | Turb NTU | 13.76 | 3.65 | 29.3 |
| 10 | DO mg/l | 7.8 | 7.5 | 7.5 |
| 11 | BOD mg/l | BDL | BDL | BDL |
| 12 | COD mg/l | 8 | 10 | 8 |
| 13 | Total Dissolved Solids mg/l | 43 | 55 | 45 |
| 14 | Total Solids mg/l | 56 | 88 | 53 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | BDL | 0.04 | BDL |
| 17 | Zinc mg/l | 0.032 | 0.047 | 0.024 |
| 18 | Copper mg/l | 0.025 | 0.033 | 0.03 |

| Baina Beach, Vasco 2020 | | | | |
|-------------------------|-----------------------------|------------------------|-----------------------|---------------------------------|
| Sr.No | Parameters | Before Ganesh Visarjan | After Ganesh Visarjan | After 15 day of Ganesh visarjan |
| 1 | Date & Time | 18.08.2020 & 10:00a.m | 01.09.2020 & 10:00a.m | 14.09.2020 & 02:30p.m |
| 2 | Weather | Cloudy | Sunny | Cloudy |
| 3 | Colour | Clear | Clear | Clear |
| 4 | Odour | Odourless | Odourless | Odourless |
| 5 | Human Activity | Fishing | Nil | Nil |
| 6 | pH | 7.24 | 7.5 | 7.68 |
| 7 | Temperature °C | 28 | 29 | 28 |
| 8 | Cond ms/cm | 32.57 | 42.7 | 49.58 |
| 9 | Turb NTU | 10.22 | 8.73 | 23.2 |
| 10 | DO mg/l | 7.6 | 7 | 6.2 |
| 11 | BOD mg/l | 2 | 2 | 2 |
| 13 | Total Dissolved Solids mg/l | 20567 | 25995 | 29812 |
| 14 | Total Solids mg/l | 21765 | 26977 | 30018 |
| 15 | Chromium mg/l | BDL | BDL | BDL |
| 16 | Lead mg/l | 0.073 | 0.085 | 0.054 |
| 17 | Zinc mg/l | 0.095 | 0.33 | 0.129 |
| 18 | Copper mg/l | 0.049 | 0.043 | 0.019 |