

**WATER QUALITY OF MAJOR RIVERS IN HIMACHAL PARDESH MONITORED UNDER MINARS  
PROGRAMME DURING 2020-21**

**Results of Major Rivers (MINARS) Points from April 2020 to March 2021**

| Name Of Location                                      | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|---|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| U/S Slapper, River Satluj                             | <b>pH</b>  | 7.83    | 7.43   | 7.71   | 7.99   | 7.95  | 7.88   | 7.65   | 7.87    | 7.84    | 7.88    | 8.05    | 7.88    |
|   | <b>DO</b>  | 8.7     | 8.6    | 8.9    | 8.6    | 9.6   | 9.5    | 8.7    | 8.5     | 9.1     | 8.2     | 8.2     | 9.4     |
|   | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | <b>TC</b>  | 110     | 150    | 280    | 220    | 210   | 210    | 210    | 170     | 94      | 170     | 280     | 240     |
| D/S Slapper, Satluj River after Conf. with River Beas | <b>pH</b>  | 8.0     | 7.81   | 7.70   | 8.02   | 7.97  | 7.93   | 7.59   | 7.95    | 8.10    | 7.25    | 7.98    | 7.81    |
|   | <b>DO</b>  | 8.9     | 8.8    | 8.9    | 8.5    | 9.2   | 9.1    | 7.9    | 8.9     | 9.3     | 8.9     | 8.7     | 9.3     |
|   | <b>BOD</b> | 0.1     | 0.1    | 0.2    | 0.2    | 0.2   | 0.2    | 0.2    | 0.2     | 0.1     | 0.2     | 0.2     | 0.2     |
|   | <b>TC</b>  | 94      | 280    | 350    | 350    | 210   | 280    | 240    | 280     | 140     | 240     | 350     | 350     |
| Exit of Dehar Power House, Beas River                 | <b>pH</b>  | 7.79    | 7.48   | 7.67   | 7.93   | 7.93  | 7.82   | 7.81   | 7.86    | 7.92    | 7.47    | 8.0     | 7.68    |
|   | <b>DO</b>  | 9.2     | 9.3    | 9.2    | 8.1    | 9.7   | 8.4    | 8.6    | 8.8     | 0.3     | 9.0     | 9.1     | 8.8     |
|   | <b>BOD</b> | 0.1     | 0.1    | 0.2    | 0.1    | 0.2   | 0.3    | 0.2    | 0.2     | 0.1     | 0.2     | 0.2     | 0.2     |
|   | <b>TC</b>  | 110     | 210    | 240    | 280    | 170   | 350    | 280    | 280     | 170     | 280     | 430     | 430     |
| D/s Bilaspur at Govindsagar                           | <b>pH</b>  | 7.90    | 7.32   | 8.06   | 8.09   | 7.81  | 8.12   | 8.19   | 7.98    | 7.84    | 7.42    | 7.88    | 7.94    |
|   | <b>DO</b>  | 8.3     | 8.5    | 9.7    | 8.6    | 9.6   | 9.8    | 8.3    | 8.9     | 9.2     | 9.0     | 8.4     | 9.6     |
|   | <b>BOD</b> | 0.3     | 0.3    | 0.4    | 0.4    | 0.4   | 0.4    | 0.4    | 6.0     | 0.3     | 0.3     | 0.4     | 0.3     |
|   | <b>TC</b>  | 430     | 430    | 540    | 920    | 540   | 350    | 540    | 920     | 540     | 430     | 920     | 1600    |
| U/s Mandi, Beas River)                                | <b>pH</b>  | 7.92    | 7.93   | 7.45   | 7.36   | 7.18  | 7.43   | 8.20   | 8.01    | 7.87    | 7.92    | 7.82    | 7.56    |
|   | <b>DO</b>  | 9.2     | 9.0    | 8.8    | 9.7    | 8.3   | 9.9    | 9.1    | 9.5     | 9.3     | 11.2    | 9.2     | 9.2     |
|   | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | <b>TC</b>  | 94      | 120    | 140    | 170    | 120   | 170    | 150    | 140     | 170     | 110     | 220     | 280     |
| D/s Mandi, Beas River                                 | <b>pH</b>  | 8.19    | 8.62   | 7.84   | 7.38   | 7.73  | 7.84   | 8.11   | 8.05    | 7.92    | 8.07    | 8.04    | 7.86    |
|   | <b>DO</b>  | 9.3     | 8.9    | 8.5    | 9.3    | 9.3   | 9.7    | 9.0    | 9.2     | 9.3     | 10.8    | 8.5     | 9.1     |
|   | <b>BOD</b> | 0.2     | 0.3    | 0.3    | 0.3    | 0.2   | 0.3    | 0.2    | 0.3     | 0.2     | 0.3     | 0.3     | 0.3     |
|   | <b>TC</b>  | 220     | 350    | 430    | >1600  | 220   | 350    | 350    | 280     | 240     | 430     | 920     | 920     |
| Rewalsar Lake   | <b>pH</b>  | 7.88    | 7.42   | 7.38   | 7.10   | 7.11  | 7.66   | 7.23   | 7.74    | 7.87    | 8.30    | 7.56    | 7.88    |
|   | <b>DO</b>  | 8.7     | 8.4    | 5.6    | 9.6    | 9.3   | 8.2    | 8.2    | 7.9     | 8.3     | 9.8     | 5.8     | 8.9     |
|   | <b>BOD</b> | 1.6     | 2.8    | 9.0    | 2.6    | 2.0   | 4.0    | 2.8    | 6.4     | 2.8     | 2.2     | 2.5     | 2.4     |

| Name Of Location               | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|--------------------------------|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
|                                | <b>TC</b>  | 350     | 920    | 920    | 920    | 920   | 920    | 920    | 1600    | 540     | 920     | 1600    | 920     |
| D/s Mandi, Suketi Khudd (2607) | <b>pH</b>  | 8.60    | 8.05   | 8.10   | 7.89   | 7.81  | 7.82   | 7.74   | 8.10    | 8.14    | 8.28    | 8.42    | 7.70    |
|                                | <b>DO</b>  | 9.3     | 9.1    | 9.2    | 8.8    | 9.1   | 8.9    | 9.1    | 8.7     | 8.8     | 10.3    | 8.3     | 8.6     |
|                                | <b>BOD</b> | 0.3     | 0.2    | 0.3    | 0.3    | 0.2   | 0.4    | 0.3    | 0.2     | 0.2     | 0.3     | 0.4     | 0.5     |
|                                | <b>TC</b>  | 280     | 280    | 350    | > 1600 | 540   | 1600   | 920    | 540     | 540     | 540     | 1600    | >1600   |
| R.Beas, U/s Pandoh Dam         | <b>pH</b>  | 7.87    | 7.46   | 7.14   | 8.09   | 7.45  | 7.30   | 7.70   | 7.78    | 7.85    | 7.68    | 7.42    | 7.54    |
|                                | <b>DO</b>  | 8.7     | 8.9    | 9.0    | 9.1    | 7.6   | 9.7    | 8.1    | 9.8     | 9.4     | 10.8    | 8.5     | 9.3     |
|                                | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.2     | 0.1     | 0.1     | 0.2     | 0.1     |
|                                | <b>TC</b>  | 94      | 220    | 220    | 170    | 150   | 210    | 150    | 210     | 170     | 210     | 240     | 240     |
| R.Beas, D/s Pandoh Dam         | <b>pH</b>  | 7.96    | 8.07   | 7.89   | 7.74   | 7.60  | 7.94   | 7.98   | 7.79    | 7.67    | 7.36    | 7.98    | 7.55    |
|                                | <b>DO</b>  | 8.9     | 9.0    | 8.8    | 9.3    | 8.4   | 9.9    | 8.8    | 9.5     | 9.4     | 10.3    | 9.1     | 9.1     |
|                                | <b>BOD</b> | 0.1     | 0.1    | 0.2    | 0.1    | 0.1   | 0.1    | 0.1    | 0.2     | 0.1     | 0.1     | 0.2     | 0.2     |
|                                | <b>TC</b>  | 140     | 240    | 280    | 350    | 210   | 280    | 220    | 240     | 210     | 280     | 350     | 430     |
| R.Beas, D/s Aut                | <b>pH</b>  | 7.57    | 7.12   | 7.52   | 7.26   | 7.20  | 7.48   | 7.61   | 7.74    | 7.51    | 7.75    | 7.95    | 7.40    |
|                                | <b>DO</b>  | 9.8     | 9.0    | 8.6    | 8.8    | 8.6   | 8.7    | 8.6    | 8.7     | 8.7     | 8.7     | 8.7     | 8.5     |
|                                | <b>BOD</b> | 0.1     | 0.2    | 0.1    | 0.2    | 0.2   | 0.2    | 0.2    | 0.2     | 0.1     | 0.2     | 0.2     | 0.2     |
|                                | <b>TC</b>  | 110     | 120    | 150    | 350    | 220   | 350    | 280    | 280     | 350     | 350     | 430     | 540     |
| R.Sainj, D/s Largi             | <b>pH</b>  | 7.79    | 7.55   | 7.71   | 7.38   | 8.01  | 7.53   | 7.81   | 7.94    | 7.54    | 7.52    | 7.75    | 7.97    |
|                                | <b>DO</b>  | 9.6     | 8.9    | 8.8    | 8.9    | 8.7   | 8.6    | 8.7    | 8.6     | 8.6     | 8.6     | 9.0     | 8.1     |
|                                | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.3    | 0.2    | 0.2     | 0.1     | 0.2     | 0.1     | 0.2     |
|                                | <b>TC</b>  | 94      | 94     | 130    | 220    | 150   | 240    | 220    | 220     | 280     | 240     | 240     | 430     |
| River Parvati, U/s Manikaran   | <b>pH</b>  | 8.10    | 7.35   | 7.09   | 6.84   | 6.80  | 7.11   | 7.34   | 7.40    | 8.26    | 7.23    | 7.43    | 7.21    |
|                                | <b>DO</b>  | 9.8     | 9.1    | 11.4   | 8.3    | 8.1   | 8.7    | 8.7    | 8.5     | 8.3     | 9.6     | 9.8     | 8.9     |
|                                | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|                                | <b>TC</b>  | 70      | 130    | 140    | 120    | 63    | 110    | 110    | 63      | 84      | 84      | 94      | 23      |
| River Parvati, D/s Manikaran   | <b>pH</b>  | 7.20    | 7.08   | 7.13   | 7.07   | 6.85  | 7.23   | 7.13   | 7.64    | 7.33    | 7.83    | 7.41    | 7.36    |
|                                | <b>DO</b>  | 9.6     | 9.3    | 11.4   | 8.2    | 7.9   | 8.7    | 8.6    | 8.3     | 8.5     | 9.4     | 9.6     | 8.1     |
|                                | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|                                | <b>TC</b>  | 94      | 150    | 170    | 130    | 70    | 140    | 130    | 110     | 94      | 94      | 120     | 84      |
| River Beas, U/s Manali         | <b>pH</b>  | 7.65    | 7.64   | 7.83   | 7.62   | 7.57  | 7.66   | 7.70   | 7.86    | 7.68    | 7.78    | 8.03    | 7.76    |
|                                | <b>DO</b>  | 9.8     | 9.1    | 9.0    | 9.2    | 8.9   | 8.7    | 9.0    | 9.3     | 8.9     | 9.7     | 9.3     | 8.8     |

| Name Of Location                                       | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|--|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.2    | 0.1    | 0.5     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | <b>TC</b>  | 32      | 79     | 110    | 94     | 84    | 210    | 170    | 280     | 170     | 280     | 280     | 70      |
| River Beas, D/s Manali                                 | <b>pH</b>  | 7.60    | 6.75   | 7.52   | 7.57   | 7.33  | 8.04   | 7.50   | 7.75    | 7.86    | 7.64    | 7.67    | 7.55    |
|  | <b>DO</b>  | 10.0    | 8.9    | 8.6    | 9.0    | 8.5   | 8.7    | 8.9    | 9.1     | 8.7     | 9.4     | 8.4     | 8.5     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.2    | 0.2    | 0.1   | 0.3    | 0.1    | 0.8     | 0.2     | 0.2     | 0.2     | 0.1     |
|  | <b>TC</b>  | 110     | 140    | 170    | 170    | 150   | 350    | 350    | 350     | 210     | 920     | 920     | 240     |
| River Beas, U/s Kullu                                  | <b>pH</b>  | 8.01    | 7.55   | 7.45   | 7.14   | 7.54  | 7.46   | 7.40   | 7.66    | 7.60    | 8.02    | 8.09    | 7.68    |
|  | <b>DO</b>  | 9.9     | 8.9    | 8.5    | 8.9    | 8.8   | 8.9    | 9.0    | 8.7     | 9.0     | 5.8     | 8.4     | 8.6     |
|  | <b>BOD</b> | 0.1     | 0.2    | 0.2    | 0.3    | 0.2   | 0.1    | 0.2    | 0.5     | 0.2     | 0.1     | 0.2     | 0.3     |
|  | <b>TC</b>  | 140     | 220    | 280    | 220    | 280   | 430    | 350    | 220     | 350     | 350     | 540     | 540     |
| River Beas, D/s Kullu                                  | <b>pH</b>  | 7.57    | 7.54   | 7.52   | 7.23   | 7.95  | 7.53   | 7.42   | 7.53    | 7.70    | 7.63    | 7.88    | 7.46    |
|  | <b>DO</b>  | 9.5     | 8.8    | 8.5    | 8.9    | 8.8   | 8.6    | 8.6    | 8.8     | 8.9     | 8.8     | 8.8     | 8.5     |
|  | <b>BOD</b> | 0.2     | 0.3    | 0.2    | 0.2    | 0.2   | 0.2    | 0.2    | 0.7     | 0.2     | 0.2     | 0.3     | 0.5     |
|  | <b>TC</b>  | 150     | 240    | 430    | 350    | 350   | 540    | 430    | 280     | 430     | 540     | 920     | 920     |
| Parvati River, before confluence to R. Beas at Bhunter | <b>pH</b>  | 7.35    | 7.34   | 7.21   | 7.18   | 7.06  | 7.06   | 6.76   | 7.65    | 7.44    | 7.54    | 7.74    | 7.64    |
|  | <b>DO</b>  | 9.2     | 9.8    | 9.8    | 9.2    | 9.1   | 8.5    | 8.5    | 9.1     | 8.8     | 9.5     | 9.3     | 8.2     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.2     |
|  | <b>TC</b>  | 70      | 150    | 150    | 170    | 130   | 220    | 140    | 130     | 140     | 170     | 220     | 350     |
| Manalsu Nalla before conf. to R. Beas                  | <b>pH</b>  | 7.19    | 8.55   | 7.13   | 7.09   | 7.22  | 8.25   | 7.25   | 7.54    | 7.28    | 8.10    | 8.35    | 7.23    |
|  | <b>DO</b>  | 9.2     | 9.0    | 9.4    | 9.1    | 9.0   | 9.0    | 9.4    | 9.2     | 8.8     | 9.8     | 9.2     | 8.5     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.6     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | <b>TC</b>  | 49      | 63     | 84     | 94     | 79    | 170    | 140    | 210     | 150     | 120     | 170     | 350     |
| Sarvari Nalla before conf. to R. Beas                  | <b>pH</b>  | 7.82    | 7.72   | 7.82   | 7.34   | 7.75  | 7.66   | 7.74   | 7.95    | 7.67    | 7.86    | 7.72    | 7.91    |
|  | <b>DO</b>  | 9.2     | 9.0    | 8.7    | 9.5    | 8.7   | 9.0    | 8.7    | 8.8     | 9.1     | 9.6     | 8.1     | 8.6     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.3    | 0.1    | 0.2     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | <b>TC</b>  | 110     | 170    | 170    | 210    | 170   | 220    | 150    | 140     | 170     | 150     | 210     | 280     |
| Baragram Nalla before conf. to R. Beas                 | <b>pH</b>  | 7.42    | 6.90   | 7.10   | 7.1    | 7.22  | 7.34   | 7.58   | 7.74    | 7.26    | 7.44    | 7.53    | 7.50    |
|  | <b>DO</b>  | 9.1     | 9.1    | 9.0    | 9.2    | 9.1   | 8.9    | 9.1    | 9.2     | 8.7     | 9.9     | 9.1     | 8.9     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.2    | 0.1    | 0.4     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | <b>TC</b>  | 120     | 150    | 170    | 150    | 140   | 150    | 130    | 120     | 210     | 130     | 210     | 430     |
|  | <b>pH</b>  | 7.86    | 8.20   | 7.97   | 8.02   | 7.83  | 7.84   | 7.72   | 8.01    | 7.91    | 7.34    | 7.83    | 7.91    |

| Name Of Location   | Parameter  | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|--|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| U/s Khairian Solid Waste Dumping Site Bilaspur           | <b>DO</b>  | 8.2     | 8.6    | 9.3    | 8.7    | 9.6   | 9.8    | 7.5    | 8.6     | 8.8     | 8.8     | 8.3     | 9.7     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.2    | 0.1   | 0.2    | 0.1    | 0.2     | 0.2     | 0.2     | 0.2     | 0.1     |
|  | <b>TC</b>  | 100     | 210    | 350    | 140    | 240   | 350    | 220    | 280     | 280     | 210     | 280     | 350     |
| D/s Khairian Solid Waste Dumping Site Bilaspur           | <b>pH</b>  | 7.87    | 7.45   | 8.07   | 8.05   | 7.93  | 8.09   | 8.28   | 7.94    | 7.84    | 7.38    | 7.95    | 7.84    |
|  | <b>DO</b>  | 8.4     | 8.3    | 9.8    | 8.7    | 9.9   | 9.4    | 8.2    | 8.7     | 9.1     | 8.9     | 8.5     | 9.7     |
|  | <b>BOD</b> | 0.2     | 0.2    | 0.2    | 1.2    | 0.2   | 0.5    | 0.2    | 0.3     | 0.2     | 0.3     | 0.4     | 0.2     |
|  | <b>TC</b>  | 140     | 280    | 430    | 170    | 350   | 540    | 350    | 350     | 540     | 350     | 540     | 540     |
| R. Beas D/s Manalsu Nalla                                | <b>pH</b>  | 7.62    | 7.57   | 7.56   | 7.72   | 7.48  | 7.63   | 7.64   | 7.84    | 8.22    | 7.65    | 7.86    | 7.54    |
|  | <b>DO</b>  | 10.0    | 8.9    | 9.2    | 9.0    | 9.1   | 8.9    | 8.8    | 9.1     | 8.7     | 9.9     | 8.9     | 8.7     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.2    | 0.1    | 0.5     | 0.1     | 0.1     | 0.1     | 0.2     |
|  | <b>TC</b>  | 34      | 84     | 120    | 110    | 110   | 240    | 220    | 220     | 210     | 170     | 280     | 350     |
| R. Tirthan before conf. to R. Sainj                      | <b>pH</b>  | 7.80    | 7.94   | 7.70   | 7.31   | 7.41  | 7.86   | 7.97   | 8.02    | 7.74    | 7.91    | 7.98    | 7.96    |
|  | <b>DO</b>  | 10.1    | 9.3    | 9.0    | 9.1    | 8.9   | 9.1    | 9.1    | 8.8     | 8.9     | 8.9     | 9.1     | 8.4     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | <b>TC</b>  | 70      | 94     | 110    | 110    | 94    | 170    | 120    | 150     | 130     | 130     | 140     | 430     |
| R. Beas at Raison  | <b>pH</b>  | 7.62    | 7.28   | 7.50   | 7.33   | 7.23  | 7.40   | 7.54   | 7.85    | 7.87    | 7.63    | 7.62    | 7.66    |
|  | <b>DO</b>  | 10.2    | 8.9    | 8.7    | 9.0    | 8.8   | 8.5    | 8.8    | 9.0     | 8.6     | 9.3     | 8.5     | 8.7     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.2    | 0.1   | 0.1    | 0.1    | 0.6     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | <b>TC</b>  | 170     | 210    | 240    | 220    | 210   | 280    | 220    | 170     | 220     | 210     | 220     | 430     |
| R. Beas U/s of WPF at Manali                             | <b>pH</b>  | 6.55    | 8.28   | 7.43   | 7.46   | 7.11  | 7.38   | 7.40   | 7.61    | 7.22    | 7.46    | 7.32    | 7.16    |
|  | <b>DO</b>  | 10.4    | 8.8    | 8.4    | 9.0    | 8.9   | 8.4    | 8.0    | 8.9     | 8.5     | 9.8     | 9.2     | 8.7     |
|  | <b>BOD</b> | 0.2     | 0.3    | 0.2    | 0.2    | 0.2   | 0.3    | 0.2    | 0.4     | 0.2     | 0.2     | 0.1     | 0.3     |
|  | <b>TC</b>  | 170     | 220    | 240    | 170    | 170   | 280    | 240    | 280     | 240     | 540     | 540     | 920     |
| R. Beas D/s of WPF at Manali                             | <b>pH</b>  | 7.71    | 7.57   | 7.67   | 7.36   | 7.42  | 7.80   | 7.60   | 7.88    | 7.62    | 7.71    | 7.83    | 7.56    |
|  | <b>DO</b>  | 9.4     | 8.8    | 8.5    | 8.9    | 8.6   | 8.5    | 8.5    | 8.7     | 8.8     | 8.8     | 8.7     | 8.3     |
|  | <b>BOD</b> | 0.2     | 0.2    | 0.3    | 0.3    | 0.2   | 0.1    | 0.2    | 0.1     | 0.2     | 0.2     | 0.2     | 0.4     |
|  | <b>TC</b>  | 130     | 210    | 280    | 920    | 350   | 540    | 350    | 280     | 350     | 540     | 920     | 920     |
| Alhi River Nog ( near WSS intake) tributary of R. Satluj | <b>pH</b>  | 8.41    | 8.16   | 8.24   | 8.14   | 7.99  | 8.07   | 8.24   | 8.05    | 8.05    | 7.92    | 8.05    | 8.06    |
|  | <b>DO</b>  | 8.7     | 8.9    | 8.9    | 8.1    | 8.7   | 8.6    | 9.1    | 8.2     | 8.0     | 8.0     | 8.1     | 8.9     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | <b>TC</b>  | 110     | 110    | 170    | 150    | 120   | 110    | 130    | 150     | 130     | 170     | 130     | 220     |

| Name Of Location   | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|--|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| Harabag ( Intake from BBMB source- BBMB Adit Harabag) water Spring | <b>pH</b>  | 8.21    | 8.29   | 8.25   | 8.12   | 8.04  | 7.25   | 7.28   | 8.05    | 8.08    | 8.22    | 8.16    | 8.14    |
|  | <b>DO</b>  | 7.9     | 8.2    | 8.6    | 8.4    | 9.1   | 8.8    | 8.9    | 8.2     | 7.5     | 7.2     | 7.4     | 8.7     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | <b>TC</b>  | 94      | 120    | 150    | 170    | 110   | 140    | 150    | 130     | 150     | 130     | 150     | 240     |
| Manalsu nalla ( WSS from Manali town) U/s of Old Manali            | <b>pH</b>  | 7.21    | 6.63   | 7.18   | 7.07   | 7.24  | 8.30   | 7.26   | 8.12    | 7.36    | 7.45    | 7.18    | 7.20    |
|  | <b>DO</b>  | 9.3     | 9.2    | 9.2    | 9.3    | 9.1   | 9.2    | 9.2    | 9.2     | 8.8     | 9.7     | 9.1     | 9.1     |
|  | <b>BOD</b> | 0.1     | 0.2    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.2     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | <b>TC</b>  | 49      | 110    | 110    | 110    | 84    | 140    | 120    | 94      | 140     | 140     | 150     | 63      |
| Khalada nalla WSS Kullu Town                                       | <b>pH</b>  | 7.81    | 8.10   | 7.86   | 8.02   | 7.98  | 7.78   | 7.90   | 8.09    | 7.77    | 7.98    | 7.81    | 7.94    |
|  | <b>DO</b>  | 9.7     | 9.1    | 8.3    | 9.3    | 8.9   | 8.8    | 9.3    | 8.9     | 9.2     | 8.9     | 9.3     | 8.7     |
|  | <b>BOD</b> | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | <b>TC</b>  | 110     | 130    | 140    | 120    | 94    | 130    | 110    | 110     | 150     | 120     | 220     | 210     |
| R. Yamuna U/s Paonta Sahib   | <b>pH</b>  | 6.92    | 7.03   | 7.58   | 8.09   | 7.15  | 7.50   | 7.65   | 7.63    | 7.74    | 7.74    | 7.72    | 7.61    |
|  | <b>DO</b>  | 9.1     | 9.0    | 7.5    | 7.2    | 7.1   | 7.2    | 7.4    | 7.5     | 7.9     | 7.9     | 8.7     | 7.6     |
|  | <b>BOD</b> | 0.4     | 0.4    | 0.7    | 0.5    | 1.0   | 0.8    | 0.8    | 0.8     | 1.8     | 1.8     | 1.0     | 1.0     |
|  | <b>TC</b>  | 33      | 32     | 34     | 46     | 46    | 84     | 79     | 63      | 70      | 49      | 70      | 70      |
| R. Yamuna D/s Paonta Sahib   | <b>pH</b>  | 7.04    | 7.19   | 6.62   | 7.74   | 7.36  | 7.45   | 7.77   | 7.57    | 7.54    | 7.54    | 7.49    | 7.56    |
|  | <b>DO</b>  | 9.0     | 8.8    | 7.1    | 7.1    | 7.0   | 7.0    | 7.1    | 7.3     | 7.6     | 7.7     | 8.8     | 7.6     |
|  | <b>BOD</b> | 0.4     | 0.6    | 1.5    | 0.8    | 1.5   | 0.6    | 1.0    | 1.2     | 2.0     | 2.2     | 1.2     | 1.0     |
|  | <b>TC</b>  | 38.0    | 40.0   | 41.0   | 41.0   | 79.0  | 94.0   | 84.0   | 79.0    | 94.0    | 70.0    | 79.0    | 94.0    |
| R. Batta U/s Paonta Sahib  | <b>pH</b>  | 7.37    | 7.41   | 7.45   | 7.54   | 7.31  | 7.47   | 7.73   | 7.50    | 7.51    | 7.72    | 7.38    | 7.46    |
|  | <b>DO</b>  | 9.0     | 8.9    | 7.4    | 7.1    | 7.0   | 7.1    | 7.2    | 7.4     | 7.8     | 7.8     | 9.1     | 7.9     |
|  | <b>BOD</b> | 0.3     | 0.4    | 1.2    | 0.4    | 1.4   | 1.2    | 1.2    | 1.4     | 2.2     | 1.4     | 1.0     | 1.0     |
|  | <b>TC</b>  | 27      | 26     | 39     | 39     | 140   | 120    | 110    | 94      | 110     | 94      | 63      | 79      |
| R. Batta D/s Paonta Sahib  | <b>pH</b>  | 7.49    | 7.39   | 7.41   | 7.43   | 7.38  | 7.70   | 7.73   | 7.65    | 7.59    | 7.68    | 7.58    | 7.53    |
|  | <b>DO</b>  | 8.4     | 8.2    | 7.2    | 7.0    | 6.9   | 6.9    | 7.1    | 7.3     | 7.6     | 7.7     | 8.9     | 7.9     |
|  | <b>BOD</b> | 0.5     | 0.5    | 1.5    | 0.5    | 1.9   | 1.8    | 1.6    | 1.6     | 2.4     | 2.2     | 1.0     | 1.1     |
|  | <b>TC</b>  | 38      | 41     | 46.0   | 43.0   | 170   | 170    | 170    | 170     | 170     | 110     | 70      | 70      |
| River Yamuna U/S of Ranbaxy Paonta Sahib                           | <b>pH</b>  | 7.56    | 7.51   | 7.48   | 7.53   | 7.47  | 7.51   | 7.61   | 7.12    | 7.06    | 7.09    | 7.38    | 7.47    |
|  | <b>DO</b>  | 8.9     | 8.8    | 7.3    | 7.2    | 7.1   | 7.2    | 7.3    | 7.5     | 7.7     | 7.8     | 8.9     | 7.5     |
|  | <b>BOD</b> | 0.4     | 0.4    | 1.0    | 0.5    | 1.3   | 1.0    | 1.0    | 0.8     | 1.6     | 1.6     | 1.0     | 1.2     |

| Name Of Location   | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|--|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
|  | <b>TC</b>  | 32      | 34     | 38     | 40     | 49    | 70     | 63     | 70      | 94      | 70      | 79      | 94      |
| River Yamuna D/S of Ranbaxy Paonta Sahib                 | <b>pH</b>  | 7.50    | 7.55   | 7.55   | 7.54   | 7.31  | 7.46   | 7.59   | 7.69    | 7.49    | 7.59    | 7.57    | 7.50    |
|  | <b>DO</b>  | 8.80    | 8.6    | 7.2    | 7.0    | 7.0   | 7.1    | 7.3    | 7.6     | 7.6     | 7.7     | 8.8     | 7.5     |
|  | <b>BOD</b> | 0.40    | 0.5    | 1.2    | 0.6    | 1.4   | 1.2    | 1.2    | 1.0     | 1.8     | 1.8     | 1.0     | 1.5     |
|  | <b>TC</b>  | 34      | 38.0   | 39.0   | 41.0   | 58.0  | 79.0   | 70.0   | 79.0    | 110.0   | 110     | 110     | 130     |
| R. Giri D/s CCI on India, Rajban                         | <b>pH</b>  | 7.55    | 7.57   | 7.49   | 7.57   | 7.29  | 7.57   | 7.79   | 7.71    | 7.72    | 7.79    | 7.74    | 7.63    |
|  | <b>DO</b>  | 9.1     | 9.0    | 7.4    | 7.1    | 6.9   | 7.0    | 7.2    | 7.4     | 7.6     | 7.6     | 8.5     | 7.7     |
|  | <b>BOD</b> | 0.3     | 0.3    | 1.1    | 0.7    | 0.8   | 0.6    | 0.8    | 0.8     | 1.0     | 1.0     | 1.0     | 1.0     |
|  | <b>TC</b>  | 33.0    | 34.0   | 34.0   | 34.0   | 39.0  | 47.0   | 49.0   | 46.0    | 49.0    | 47      | 49.0    | 49.0    |
| R. Giri D/s Sataun                                       | <b>pH</b>  | 7.68    | 7.62   | 7.59   | 7.45   | 7.56  | 7.66   | 7.81   | 7.88    | 7.81    | 7.8     | 7.79    | 7.71    |
|  | <b>DO</b>  | 9.2     | 9.1    | 7.5    | 7.2    | 7.1   | 7.2    | 7.1    | 7.6     | 7.8     | 7.8     | 8.4     | 7.5     |
|  | <b>BOD</b> | 0.4     | 0.5    | 0.8    | 0.6    | 0.6   | 0.8    | 0.5    | 0.6     | 1.0     | 1.0     | 1.0     | 1.0     |
|  | <b>TC</b>  | 33.0    | 31.0   | 32.0   | 32.0   | 34.0  | 41.0   | 47.0   | 47.0    | 46.0    | 40      | 49.0    | 48.0    |
| R. Giri U/s CCI Mines                                    | <b>pH</b>  | 7.48    | 7.67   | 7.65   | 7.53   | 7.61  | 7.63   | 7.83   | 7.93    | 7.77    | 7.78    | 7.82    | 7.73    |
|  | <b>DO</b>  | 9.3     | 9.2    | 7.6    | 7.4    | 7.2   | 7.3    | 7.4    | 7.5     | 7.7     | 7.8     | 8.4     | 7.6     |
|  | <b>BOD</b> | 0.3     | 0.4    | 0.6    | 0.4    | 0.5   | 0.3    | 0.4    | 0.5     | 1.0     | 1.0     | 1.0     | 1.0     |
|  | <b>TC</b>  | 32      | 27     | 31     | 31     | 32    | 38     | 39     | 40      | 39      | 33      | 40.0    | 47      |
| Renuka Ji Lake   | <b>pH</b>  | 7.48    | 7.12   | 7.10   | 7.47   | 6.78  | 7.51   | 7.68   | 7.39    | 7.93    | 7.32    | 7.59    | 7.74    |
|  | <b>DO</b>  | 7.1     | 7.6    | 7.5    | 7.3    | 7.1   | 6.9    | 7.2    | 7.3     | 9.1     | 8.9     | 6.5     | 6.8     |
|  | <b>BOD</b> | 1.0     | 1.0    | 1.0    | 1.6    | 1.9   | 1.0    | 0.8    | 1.2     | 2.2     | 1.8     | 2.0     | 1.7     |
|  | <b>TC</b>  | 40.0    | 38.0   | 43.0   | 43.0   | 49.0  | 110    | 120    | 140     | 79.0    | 140     | 210     | 220     |
| River Giri D/s Rajgarh Town                              | <b>pH</b>  | 7.39    | 7.72   | 7.55   | 7.87   | 7.36  | 7.61   | 7.94   | 7.87    | 7.93    | 7.49    | 8.20    | 8.16    |
|  | <b>DO</b>  | 6.8     | 8.1    | 7.1    | 7.2    | 7.8   | 7.2    | 7.3    | 8.1     | 9.1     | 10.6    | 8.3     | 7.6     |
|  | <b>BOD</b> | 0.5     | 0.3    | 1.1    | 0.7    | 0.5   | 1.0    | 0.8    | 0.7     | 1.2     | 1.6     | 1.2     | 1.0     |
|  | <b>TC</b>  | 31.0    | 27.0   | 46.0   | 34.0   | 34.0  | 63.0   | 70.0   | 63.0    | 70.0    | 79.0    | 70.0    | 110.0   |
| River Giri U/s proposed site of Shri Renuka Ji Dam site. | <b>pH</b>  | 7.37    | 7.45   | 6.7    | 7.56   | 7.03  | 7.56   | 7.72   | 7.81    | 7.92    | 7.44    | 8.02    | 7.9     |
|  | <b>DO</b>  | 7.2     | 8.4    | 7.3    | 7.2    | 7.3   | 7.0    | 7.6    | 8.1     | 8.9     | 10.6    | 8.0     | 7.5     |
|  | <b>BOD</b> | 0.6     | 0.4    | 1.2    | 0.4    | 0.6   | 1.4    | 1.2    | 1.4     | 1.0     | 1.4     | 1.6     | 1.3     |
|  | <b>TC</b>  | 31.0    | 26.0   | 40.0   | 38.0   | 32.0  | 70.0   | 79.0   | 70.0    | 94.0    | 79.0    | 94.0    | 84.0    |
| River Giri D/s proposed site of Shri Renuka ji Dam       | <b>pH</b>  | 7.27    | 7.67   | 7.47   | 7.66   | 7.17  | 7.57   | 7.77   | 7.80    | 7.92    | 7.59    | 8.07    | 7.82    |
|  | <b>DO</b>  | 6.6     | 8.1    | 7.3    | 7.1    | 7.2   | 6.9    | 7.4    | 8.0     | 9.0     | 10.5    | 7.9     | 7.5     |
|  | <b>BOD</b> | 0.6     | 0.5    | 1.3    | 0.5    | 0.8   | 1.6    | 1.4    | 1.6     | 2.4     | 1.6     | 1.8     | 1.5     |
|  | <b>TC</b>  | 33      | 31     | 41     | 40     | 34    | 84     | 84     | 79      | 94      | 84      | 110     | 94      |

| Name Of Location  | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|---|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| site at Dadahu-Renuka ji bridge   |            |         |        |        |        |       |        |        |         |         |         |         |         |
| River Giri D/s Kalgidhar Trust, Baru Sahib  | <b>pH</b>  | 7.3     | 7.73   | 7.52   | 7.58   | 7.30  | 7.56   | 7.90   | 7.86    | 7.92    | 7.49    | 8.18    | 8.05    |
|   | <b>DO</b>  | 6.7     | 7.9    | 6.7    | 7.0    | 7.9   | 7.1    | 7.5    | 7.9     | 8.9     | 10.3    | 8.2     | 7.5     |
|   | <b>BOD</b> | 0.7     | 0.3    | 1.7    | 0.9    | 2.0   | 1.6    | 1.0    | 1.0     | 1.0     | 1.6     | 1.2     | 1.4     |
|   | <b>TC</b>  | 34      | 32     | 48     | 43     | 40    | 94     | 94     | 110     | 94      | 79      | 79      | 110     |
| R. Markanda at Paonta Sahib   | <b>pH</b>  | 6.99    | 7.65   | 7.36   | 6.74   | 7.25  | 7.14   | 7.13   | 7.01    | 7.10    | 7.17    | 7.37    | 7.28    |
|   | <b>DO</b>  | 8.9     | 9.0    | 8.7    | 9.0    | 8.4   | 7.8    | 8.5    | 8.8     | 8.8     | 8.2     | 8.0     | 8.1     |
|   | <b>BOD</b> | 0.3     | 0.4    | 0.6    | 0.3    | 0.3   | 0.6    | 0.7    | 0.8     | 1.0     | 1.0     | 1.0     | 1.0     |
|   | <b>TC</b>  | 31      | 34     | 34     | 32     | 84    | 140    | 130    | 120     | 110     | 70      | 70      | 79      |
| Taalo Nala ( From Nahan Town) at Khadar ka Bagh B/c to River Markanda                     | <b>pH</b>  | 7.43    | 7.79   | 7.73   | 7.29   | 7.84  | 7.49   | 7.66   | 7.54    | 7.10    | 7.05    | 7.43    | 7.46    |
|   | <b>DO</b>  | 8.0     | 7.5    | 7.4    | 7.2    | 6.8   | 7.2    | 7.0    | 7.1     | 8.8     | 7.8     | 7.7     | 6.3     |
|   | <b>BOD</b> | 0.5     | 0.6    | 1.7    | 0.7    | 1.2   | 1.0    | 1.0    | 1.2     | 1.0     | 1.0     | 1.0     | 1.8     |
|   | <b>TC</b>  | 39      | 40     | 38     | 39     | 110   | 150    | 140    | 130     | 110     | 110     | 110     | 220     |
| Salani Khad Near Bridge NH-7 Moginand Kala Amb  | <b>pH</b>  | 7.62    | 7.67   | 7.76   | 7.51   | 7.76  | 7.48   | 7.57   | 7.65    | 7.87    | 7.60    | 7.82    | 7.53    |
|   | <b>DO</b>  | 7.9     | 8.0    | 7.8    | 7.5    | 7.0   | 6.5    | 6.4    | 6.2     | 6.8     | 8.2     | 8.2     | 7.1     |
|   | <b>BOD</b> | 0.5     | 0.6    | 1.0    | 0.6    | 1.7   | 1.2    | 1.4    | 1.8     | 2.4     | 2.0     | 1.0     | 1.9     |
|   | <b>TC</b>  | 38      | 39     | 40     | 38     | 170   | 170    | 170    | 140     | 170     | 210     | 94      | 170     |
| Markanda R. D/s of Salani Khad  | <b>pH</b>  | 7.75    | 7.61   | 7.63   | 7.52   | 7.78  | 7.76   | 7.57   | 7.59    | 7.77    | 7.30    | 7.66    | 7.73    |
|   | <b>DO</b>  | 9.1     | 9.0    | 8.8    | 8.9    | 8.2   | 6.1    | 8.4    | 8.8     | 8.7     | 8.2     | 8.0     | 8.3     |
|   | <b>BOD</b> | 0.4     | 0.5    | 0.6    | 0.5    | 1.0   | 1.4    | 1.2    | 1.0     | 2.0     | 2.2     | 1.1     | 1.4     |
|   | <b>TC</b>  | 32      | 31     | 34     | 34     | 150   | 210    | 210    | 170     | 170     | 170     | 79      | 140     |
| Rampur Jattan Moginand Nallan Before conf. to R. Markanda Near Radha Swami Satsang Bhawan | <b>pH</b>  | 7.84    | 7.62   | 7.63   | 7.31   | 7.78  | 6.94   | 7.47   | 6.95    | 7.83    | 7.29    | 7.59    | 7.41    |
|   | <b>DO</b>  | 5.8     | 5.8    | 6.0    | 6.2    | 6.0   | 6.0    | 5.8    | 6.0     | 6.1     | 6.1     | 5.9     | 6.2     |
|   | <b>BOD</b> | 2.2     | 1.2    | 1.2    | 1.8    | 0.8   | 2.8    | 2.8    | 2.6     | 2.8     | 5.0     | 2.8     | 2.8     |
|   | <b>TC</b>  | 350     | 49     | 43     | 47     | 350   | 430    | 350    | 430     | 280     | 920     | 220     | 430     |
| Markanda R. D/s of Moginand Nallah  | <b>pH</b>  | 7.84    | 7.32   | 7.62   | 7.56   | 7.43  | 7.85   | 7.70   | 7.52    | 6.91    | 7.20    | 7.58    | 7.89    |
|   | <b>DO</b>  | 8.8     | 9.0    | 8.8    | 8.9    | 8.3   | 7.7    | 8.4    | 8.7     | 8.7     | 8.2     | 7.9     | 8.2     |
|   | <b>BOD</b> | 0.6     | 0.7    | 1.0    | 0.4    | 2.4   | 0.7    | 0.8    | 0.8     | 1.6     | 1.8     | 1.4     | 1.5     |
|   | <b>TC</b>  | 34      | 38     | 39     | 33     | 220   | 150    | 140    | 110     | 120     | 140     | 94      | 150     |
|   | <b>pH</b>  | 7.86    | 7.61   | 7.65   | 7.34   | 7.90  | 7.75   | 7.71   | 7.47    | 7.81    | 7.30    | 7.57    | 7.43    |





| Name Of Location   | Para meter | Apr. 20 | May 20              | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21                    | Mar. 21 |
|--|------------|---------|---------------------|--------|--------|-------|--------|--------|---------|---------|---------|----------------------------|---------|
|  | <b>TC</b>  | 1.8     | <1.8                | <1.8   | <1.8   | 2     | <1.8   | <1.1   | <1.1    | 1.8     | 1.8     | 1.8                        | 1.1     |
| Ashwani at U/s Yaswant Nagar                               | <b>pH</b>  | 6.66    | 7.59                | 7.40   | 7.73   | 7.39  | 8.61   | 8.26   | 7.8     | 8.86    | 7.86    | 7.8                        | 7.71    |
|  | <b>DO</b>  | 8.0     | 8                   | 8.0    | 7.8    | 7.4   | 7.5    | 8.1    | 8.0     | 8.3     | 8.1     | 8.2                        | 8.8     |
|  | <b>BOD</b> | 0.2     | 1.0                 | 1.0    | 1.2    | 1.2   | 1.0    | 1.0    | 0.4     | 0.4     | 0.3     | 0.8                        | 0.8     |
|  | <b>TC</b>  | 21      | 34                  | 21     | 26     | 22    | 34     | 140    | 33      | 33      | 22      | 23                         | 40.0    |
| Giri at D/s Yaswant Nagar                                  | <b>pH</b>  | 7.05    | 8.88                | 7.46   | 8.05   | 8.45  | 8.37   | 8.19   | 8.33    | 8.91    | 7.8     | 8.35                       | 7.76    |
|  | <b>DO</b>  | 8.2     | 8.2                 | 8.1    | 7.9    | 8.2   | 7.6    | 8.2    | 8.2     | 8.5     | 8.3     | 8.4                        | 9.1     |
|  | <b>BOD</b> | 0.3     | 1.8                 | 1.4    | 0.6    | 0.2   | 0.1    | 0.8    | 0.4     | 0.8     | 0.6     | 1.2                        | 0.8     |
|  | <b>TC</b>  | 27      | 38                  | 33     | 21     | 22    | 25     | 49     | 41      | 34      | 38      | 27                         | 58.0    |
| The River Ashwani at Village Sadhupul,D/S Tehsil Kandaghat | <b>pH</b>  | 7.4     | 8.1                 | 7.4    | 9.07   | 7.47  | 7.7    | 8.13   | 7.18    | 7.61    | 7.01    | 8.15                       | 7.91    |
|  | <b>DO</b>  | 7.6     | 7.5                 | 7.4    | 7.3    | 7.5   | 7.9    | 7.8    | 7.8     | 7.8     | 7.6     | 7.6                        | 7.9     |
|  | <b>BOD</b> | 0.4     | 1.8                 | 3.0    | 0.2    | 1.0   | 0.8    | 0.1    | 0.3     | 0.8     | 0.4     | 1.1                        | 1.2     |
|  | <b>TC</b>  | 26      | 39.0                | 38.0   | 26     | 32.0  | 39.0   | 47     | 46.0    | 39.0    | 25      | 34.0                       | 38.0    |
| Ashwani river @Sadhupul (u/s of bridge towards Chail)      | <b>pH</b>  | 7.34    | 7.97                | 7.5    | 8.48   | 7.39  | 7.9    | 8.27   | 7.24    | 7.72    | 7.04    | 8.16                       | 8.0     |
|  | <b>DO</b>  | 7.50    | 7.4                 | 7.3    | 7.2    | 7.4   | 7.8    | 7.7    | 7.8     | 7.8     | 7.6     | 7.7                        | 7.9     |
|  | <b>BOD</b> | 0.10    | 1.2                 | 2.4    | 0.1    | 1.2   | 1.0    | 0.4    | 0.2     | 0.4     | 0.2     | 0.8                        | 0.4     |
|  | <b>TC</b>  | 25.0    | 22.0                | 34.0   | 25     | 22.0  | 21.0   | 38     | 39.0    | 47.0    | 21      | 25.0                       | 38.0    |
| Surajmukhi nallah D/S STP Samti Solan                      | <b>pH</b>  | 6.81    | 8.45                | 7.80   | 7.86   | 8.58  | 8.70   | 8.34   | 7.73    | 8.61    | 7.73    | 8.48                       | 7.84    |
|  | <b>DO</b>  | 6.80    | 6.70                | 6.80   | 7.10   | 7.5   | 7.1    | 8.2    | 8.3     | 8.2     | 7.9     | 8.0                        | 8.7     |
|  | <b>BOD</b> | 0.50    | 1.40                | 1.10   | 0.80   | 0.2   | 0.4    | 0.8    | 0.6     | 0.8     | 0.8     | 1.4                        | 1.2     |
|  | <b>TC</b>  | 39.0    | 32.0                | 24.0   | 41.0   | 26    | 32     | 39     | 84      | 41      | 32      | 33                         | 84      |
| River Sirsa D/S River Ratta                                | <b>pH</b>  | 8.28    | 8.2                 | 7.6    | 8.14   | 8.07  | 7.44   | 7.38   | 7.82    | 7.8     | 8.09    | 7.87                       | 7.39    |
|  | <b>DO</b>  | -       | 6.1                 | 4.7    | 5      | 5.2   | 7      | 6.3    | 7       | 6.5     | 6       | 6.2                        | 7       |
|  | <b>BOD</b> | 10.0    | 1.8                 | 4.2    | 1.1    | 0.8   | 1.2    | 2      | 2       | 3.4     | 1.8     | 1.8                        | 2       |
|  | <b>TC</b>  | 70      | 58.0                | 58.0   | 39     | 31    | 27     | 58     | 130     | 79      | 32      | 47                         | 84      |
| River Ratta before conf.to River Sirsa                     | <b>pH</b>  | 7.54    | <b>Source dried</b> | 7.2    | 7.47   | 7.68  | 7.55   | 7.38   | 7.17    | 7.88    | 7.76    | <b>Sample not Received</b> |         |
|  | <b>DO</b>  | -       |                     | 5.3    | 4.5    | 5     | 6.5    | 6.6    | 6       | 6.5     | 5.5     |                            |         |
|  | <b>BOD</b> | 1.2     |                     | 3.8    | 0.8    | 2.2   | 2.2    | 2.4    | 1.8     | 2.9     | 1.4     |                            |         |
|  | <b>TC</b>  | 33      |                     | 43.0   | 33     | 33    | 32     | 94     | 140     | 94      | 88      |                            |         |
| River Sirsa D/s H. Board Nallah                            | <b>pH</b>  | 7.34    | 7.11                | 7.32   | 7.32   | 7.49  | 7.73   | 7.25   | 8.21    | 7.75    | 7.27    | 7.86                       | 7.41    |
|  | <b>DO</b>  | 6.0     | 4.9                 | 5.4    | 5.3    | 5     | 6.2    | 5.0    | 6.5     | 3.5     | 4.8     | 4.0                        | 4.5     |

| Name Of Location  | Para meter | Apr. 20             | May 20 | Jun 20 | Jul.20 | Aug20        | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|---|------------|---------------------|--------|--------|--------|--------------|--------|--------|---------|---------|---------|---------|---------|
|   | <b>BOD</b> | 18.0                | 4.4    | 10.0   | 1.2    | 2            | 1.2    | 2.8    | 1       | 1.9     | 2.2     | 2.2     | 5.2     |
|   | <b>TC</b>  | 110                 | 110    | 63     | 38.0   | 41           | 39     | 140    | 120     | 210     | 112     | 58      | 84      |
| River Bald D/s Land fill site Baddi                         | <b>pH</b>  | 6.92                | 7.2    | 6.5    | 7.3    | 7.8          | 7.24   | 7.1    | 6.93    | 7.39    | 7.34    | 7.81    | 7.05    |
|   | <b>DO</b>  | 4.0                 | 4.8    | 3.5    | 2.0    | 4.5          | 6      | 4.5    | 4.0     | 3.5     | 2.1     | 1.5     | 2.0     |
|   | <b>BOD</b> | 1.8                 | 2.8    | 2.0    | 0.6    | 1.4          | 0.8    | 1.8    | 0.4     | 1.8     | 1.2     | 40      | 1.2     |
|   | <b>TC</b>  | 32                  | 46.0   | 32.0   | 38.0   | 33           | 58     | 120    | 33      | 130     | 72      | 540     | 40      |
| River Sirsa U/s Sandholi Nallaha                            | <b>pH</b>  | 7.42                | 7.33   | 7.06   | 7.83   | 7.43         | 7.94   | 7.25   | 8.47    | 7.58    | 7.63    | 7.37    | 7.37    |
|   | <b>DO</b>  | 6.5                 | 6.5    | 5.5    | 6      | 5            | 5.5    | 6      | 7       | 5.5     | 5       | 5.0     | 6.7     |
|   | <b>BOD</b> | 0.8                 | 0.2    | 4.8    | 1      | 1.2          | 1      | 2.4    | 0.8     | 1.6     | 1       | 1.8     | 1.8     |
|   | <b>TC</b>  | 25.0                | 24.0   | 58     | 26.0   | 27.0         | 26     | 96.0   | 170     | 70      | 58      | 32.0    | 32      |
| Bhatianya Nallah D/s Sara Textile Nalagrh                   | <b>pH</b>  | Source dried        |        | 7.6    | 7.85   | Source dried | 7.40   | 7.48   | 7.67    | 7.77    | 7.46    | 7.95    | 7.57    |
|   | <b>DO</b>  |                     |        | 2.5    | 0.5    |              | 0.5    | 4.5    | 2.5     | 4.5     | 4.00    | 3.00    | 3.5     |
|   | <b>BOD</b> |                     |        | 4.0    | 20.0   |              | 1.4    | 3.2    | 2.8     | 2.6     | 90.0    | 28.0    | 3.0     |
|   | <b>TC</b>  |                     |        | 47     | 430    |              | 39     | 220    | 22      | 220     | 160     | 540     | 58      |
| Surajmukhi nallah U/s WSSS Galyana                          | <b>pH</b>  | 6.72                | 7.33   | 7.84   | 6.67   | 8.66         | 8.63   | 8.42   | 7.35    | 8.4     | 7.5     | 8.5     | 7.9     |
|   | <b>DO</b>  | 6.9                 | 6.8    | 6.9    | 7.2    | 7.6          | 7.3    | 8.3    | 8.4     | 8.1     | 8       | 8.1     | 8.7     |
|   | <b>BOD</b> | 0.2                 | 2.1    | 2.2    | 1.4    | 0.4          | 0.8    | 0.6    | 0.1     | 1.4     | 0.2     | 1.2     | 1.8     |
|   | <b>TC</b>  | 34.0                | 48.0   | 33     | 22     | 34           | 26     | 130    | 47      | 34      | 84      | 26      | 70.0    |
| Giri River Village Maryaog after Confl. Of R. Giri &Ashwani | <b>pH</b>  | 7.1                 | 8.52   | 7.28   | 8.0    | 8.2          | 8.38   | 8.9    | 8.17    | 8.83    | 7.74    | 7.71    | 7.7     |
|   | <b>DO</b>  | 8.5                 | 8.3    | 8.2    | 7.9    | 8.3          | 7.4    | 8.2    | 8.3     | 8.3     | 8.5     | 8.5     | 9.2     |
|   | <b>BOD</b> | 0.4                 | 2.2    | 1.8    | 1.4    | 1.4          | 1.2    | 1.6    | 2.4     | 1.2     | 0.4     | 1.6     | 0.4     |
|   | <b>TC</b>  | 33.0                | 58     | 32.0   | 38     | 25           | 22     | 58     | 49.0    | 40      | 25      | 33      | 63.0    |
| Bhatianya Nallah U/s Bhatinya Village Nalagrh               | <b>pH</b>  | Sample not received |        | 8.05   | 7.35   | 8.02         | 7.47   | 8.68   | 7.21    | 8.04    | 7.58    | 7.7     | 7.47    |
|   | <b>DO</b>  |                     |        | 2.5    | 2.2    | 5.0          | 1.0    | 2.5    | 1.3     | 2.0     | 2       | 2.0     | 2.5     |
|   | <b>BOD</b> |                     |        | 5.2    | 24.0   | 1.2          | 12.0   | 3.0    | 3.0     | 3       | 110     | 44.0    | 4.4     |
|   | <b>TC</b>  |                     |        | 63     | 540    | 26           | 430    | 170    | 240     | 280     | 160     | 920     | 70.0    |
| Kunni pul at Kunihaar                                       | <b>pH</b>  | 7.1                 | 8.22   | 7.9    | 8.2    | 8.1          | 8.4    | 8.61   | 8.17    | 8.6     | 7.88    | 8.17    | 8.65    |
|   | <b>DO</b>  | 7.8                 | 8.2    | 7.7    | 7.8    | 7.5          | 7.4    | 8.1    | 8.0     | 8.1     | 7.6     | 7.7     | 7.6     |
|   | <b>BOD</b> | 0.4                 | 0.4    | 0.2    | 0.1    | 1.6          | 0.8    | 0.4    | 0.1     | 0.8     | 0.4     | 1.0     | 0.2     |
|   | <b>TC</b>  | 3.6                 | 20.0   | 27.0   | 24.0   | 21           | 22     | 26.0   | 41.0    | 26      | 21      | 25.0    | 25.0    |
|   | <b>pH</b>  | 7.95                | 7.42   | 7.84   | 7.59   | 8.17         | 8.15   | 8.46   | 7.50    | 8.00    | 8.15    | 7.77    | 7.76    |

| Name Of Location   | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|--|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| River Pabbar U/s Dhambari  | <b>DO</b>  | 9.3     | 9.4    | 9.0    | 8.6    | 8.7   | 8.8    | 8.9    | 8.7     | 8.8     | 8.9     | 9.0     | 8.1     |
|  | <b>BOD</b> | 0.3     | 0.6    | 0.3    | 0.5    | 0.3   | 0.2    | 0.2    | 0.4     | 0.5     | 0.5     | 0.3     | 0.4     |
|  | <b>TC</b>  | 46      | 130    | 70     | 110    | 240   | 130    | 110    | 110     | 230     | 40      | 170     | 1600    |
| River Pabbar U/s Rohru   | <b>pH</b>  | 7.77    | 7.35   | 7.93   | 7.46   | 8.08  | 7.89   | 7.66   | 8.20    | 8.09    | 8.05    | 7.84    | 7.82    |
|  | <b>DO</b>  | 9.1     | 9.2    | 8.0    | 8.2    | 8.2   | 8.0    | 8.1    | 8.1     | 8.1     | 8.0     | 8.1     | 7.2     |
|  | <b>BOD</b> | 0.8     | 0.7    | 0.4    | 0.4    | 0.3   | 0.3    | 0.4    | 0.5     | 0.4     | 0.4     | 0.3     | 0.5     |
|  | <b>TC</b>  | 110     | 220    | 110    | 110    | 280   | 220    | 170    | 140     | 350     | 140     | 540     | 540     |
| River Pabbar U/s Hatkoti   | <b>pH</b>  | 7.95    | 7.20   | -      | -      | 8.02  | 8.19   | 7.60   | 8.10    | 8.02    | 8.12    | 7.93    | 8.49    |
|  | <b>DO</b>  | 8.9     | 8.9    | -      | -      | 7.9   | 7.5    | 7.8    | 7.9     | 7.8     | 7.8     | 7.9     | 7.2     |
|  | <b>BOD</b> | 0.9     | 0.6    | -      | -      | 0.4   | 0.4    | 0.8    | 0.6     | 0.6     | 0.6     | 0.5     | 0.4     |
|  | <b>TC</b>  | 130     | 350    | -      | -      | 350   | 350    | 540    | 540     | 280     | 70      | 170     | 540     |
| Shikari Khad before Conf. to R. Pabbar near HRTC Bus Stand Rohru | <b>pH</b>  | 8.03    | 7.50   | 8.18   | 8.09   | 7.99  | 8.05   | 7.46   | 8.20    | 8.09    | 8.13    | 7.73    | 7.42    |
|  | <b>DO</b>  | 8.4     | 8.4    | 7.6    | 7.6    | 7.6   | 7.5    | 7.2    | 7.1     | 8.1     | 6.8     | 6.9     | 6.8     |
|  | <b>BOD</b> | 1.0     | 1.2    | 0.9    | 1.0    | 1.2   | 0.8    | 0.5    | 1.8     | 1.4     | 1.2     | 0.6     | 0.6     |
|  | <b>TC</b>  | 150     | 920    | 350    | 920    | >1600 | 540    | 350    | >1600   | 920     | 140     | 920     | 1600    |
| River Pabbar at Snail D/s of TRT of Swara Kuddu                  | <b>pH</b>  | 7.80    | 7.36   | 7.74   | 7.73   | 8.42  | 8.23   | 7.78   | 7.97    | 8.11    | 8.03    | 7.70    | 7.90    |
|  | <b>DO</b>  | 9.0     | 9.1    | 7.9    | 8.0    | 7.8   | 7.6    | 8.0    | 7.9     | 7.6     | 7.6     | 7.6     | 7.8     |
|  | <b>BOD</b> | 0.8     | 1.2    | 0.5    | 0.5    | 0.6   | 0.5    | 0.6    | 0.8     | 0.7     | 1.0     | 0.4     | 0.4     |
|  | <b>TC</b>  | 170     | 110    | 220    | 130    | 350   | 240    | 350    | 430     | 240     | 350     | 170     | 920     |
| River Tons at H.P. Boundary                                      | <b>pH</b>  | 7.78    | 7.48   | 7.69   | 7.80   | 8.23  | 8.13   | 7.54   | 8.07    | 8.16    | 7.54    | 7.84    | 7.88    |
|  | <b>DO</b>  | 9.1     | 9.3    | 8.1    | 8.2    | 8.0   | 7.7    | 8.0    | 7.8     | 7.7     | 7.8     | 7.8     | 8.1     |
|  | <b>BOD</b> | 0.8     | 1.0    | 0.7    | 1.1    | 0.8   | 0.4    | 0.5    | 0.5     | 0.5     | 0.4     | 0.3     | 0.4     |
|  | <b>TC</b>  | 70      | 170    | 350    | 540    | 540   | 350    | 280    | 350     | 540     | 540     | 350     | 540     |
| River Giri U/s LWSS Sainj  | <b>pH</b>  | 7.89    | 8.14   | 7.84   | 8.65   | 8.78  | 8.20   | 8.32   | 8.19    | 8.24    | 8.15    | 8.29    | 8.44    |
|  | <b>DO</b>  | 9.2     | 9.3    | 8.1    | 8.5    | 7.9   | 7.4    | 7.9    | 7.7     | 7.8     | 7.8     | 7.8     | 7.6     |
|  | <b>BOD</b> | 0.8     | 1.0    | 0.9    | 0.8    | 0.9   | 0.3    | 0.6    | 0.9     | 0.8     | 1.1     | 0.5     | 0.4     |
|  | <b>TC</b>  | 70      | 210    | 350    | 130    | 430   | 220    | 350    | 430     | 350     | 46      | 110     | 920     |
| River Giri D/s LWSS Sainj  | <b>pH</b>  | 7.95    | 8.22   | 7.67   | 8.61   | 8.75  | 8.18   | 8.80   | 8.27    | 8.27    | 8.17    | 8.34    | 8.47    |
|  | <b>DO</b>  | 9.5     | 9.6    | 8.2    | 8.4    | 7.8   | 7.4    | 8.0    | 7.8     | 7.6     | 7.9     | 7.9     | 7.6     |
|  | <b>BOD</b> | 0.8     | 1.2    | 0.8    | 0.7    | 0.7   | 0.2    | 0.6    | 1.0     | 0.7     | 1.2     | 0.4     | 0.6     |
|  | <b>TC</b>  | 94      | 170    | 240    | 170    | 350   | 170    | 280    | 540     | 350     | 49      | 220     | 350     |

| Name Of Location  | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|---|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| R. Giri U/s Chaila  | <b>pH</b>  | 8.05    | 8.04   | 8.02   | 8.03   | 8.71  | 8.22   | 8.42   | 8.26    | 8.07    | 8.18    | 8.14    | 8.14    |
|   | <b>DO</b>  | 8.9     | 9.0    | 7.9    | 7.8    | 7.6   | 7.7    | 8.0    | 7.8     | 7.7     | 7.5     | 7.8     | 7.8     |
|   | <b>BOD</b> | 0.6     | 1.6    | 1.4    | 0.5    | 0.5   | 0.5    | 0.7    | 0.8     | 0.6     | 0.9     | 0.4     | 0.5     |
|   | <b>TC</b>  | 79      | 220    | 350    | 170    | 350   | 220    | 350    | 350     | 240     | 70      | 350     | 540     |
| Stream /Nala D/s MSW Processing Site, Shimla              | <b>pH</b>  | 7.63    | 7.26   | 7.69   | 7.38   | 7.68  | 7.45   | 7.24   | 7.70    | 8.35    | 7.29    | 7.83    | 7.31    |
|   | <b>DO</b>  | 7.9     | 7.0    | 7.5    | 7.7    | 7.5   | 7.5    | 7.1    | 6.8     | 6.5     | 6.4     | 6.1     | 6.0     |
|   | <b>BOD</b> | 14      | 55.0   | 36.0   | 8.4    | 4.4   | 14.5   | 32.5   | 40.0    | 68.0    | 12.4    | 26.0    | 50.0    |
|   | <b>TC</b>  | >1600   | >1600  | >1600  | >1600  | >1600 | >1600  | >1600  | >1600   | >1600   | >1600   | >1600   | >1600   |
| Lift Nala before conf. to Ashwani Khad near Dogrha bridge | <b>pH</b>  | 7.87    | 7.59   | 7.76   | 7.53   | 7.86  | 7.63   | 7.17   | 8.15    | 8.17    | 7.7     | 7.80    | 7.61    |
|   | <b>DO</b>  | 8.0     | 6.7    | 7.8    | 7.9    | 6.0   | 7.7    | 7.7    | 7.1     | 6.7     | 6.4     | 6.6     | 6.6     |
|   | <b>BOD</b> | 4.8     | 87.5   | 8.4    | 12.4   | 3.0   | 3.2    | 2.4    | 6.2     | 6.2     | 38      | 14.0    | 37.5    |
|   | <b>TC</b>  | >1600   | >1600  | 1600   | >1600  | >1600 | >1600  | >1600  | >1600   | >1600   | >1600   | >1600   | >1600   |
| U/s of weir site of WTP near Ashwani Khad.                | <b>pH</b>  | 8.00    | 7.82   | 7.67   | 7.81   | 7.86  | 8.15   | 8.27   | 8.13    | 8.14    | 7.39    | 7.48    | 7.59    |
|   | <b>DO</b>  | 8.7     | 8.2    | 8.2    | 8.2    | 7.3   | 7.9    | 7.9    | 7.4     | 7.2     | 6.9     | 7.0     | 7.0     |
|   | <b>BOD</b> | 1.6     | 1.0    | 1.2    | 0.5    | 0.6   | 1.0    | 1.4    | 1.2     | 5.4     | 2.6     | 1.4     | 12.0    |
|   | <b>TC</b>  | 350     | 540    | 540    | 140    | 280   | 110    | 220    | 920     | >1600   | 920     | >1600   | >1600   |
| D/s Ashwani Khad  | <b>pH</b>  | 7.95    | 7.65   | 7.90   | 7.56   | 7.71  | 7.92   | 6.92   | 8.16    | 8.16    | 7.69    | 7.82    | 6.93    |
|   | <b>DO</b>  | 8.2     | 6.9    | 7.9    | 8.0    | 6.8   | 7.7    | 7.8    | 7.3     | 6.8     | 6.5     | 7.0     | 6.9     |
|   | <b>BOD</b> | 3.8     | 75.0   | 4.6    | 12.2   | 2.3   | 2.1    | 1.9    | 3.8     | 7.4     | 6.2     | 6.2     | 14.0    |
|   | <b>TC</b>  | 920     | >1600  | 920    | >1600  | >1600 | >1600  | 920    | >1600   | >1600   | >1600   | >1600   | >1600   |
| Raw Water from Nauti Khad at Gumma                        | <b>pH</b>  | 8.58    | 8.18   | 8.56   | 8.61   | 8.68  | 8.88   | 8.45   | 8.20    | 8.42    | 8.38    | 8.48    | 8.28    |
|   | <b>DO</b>  | 9.5     | 8.1    | 8.7    | 8.1    | 7.7   | 8.0    | 8.1    | 9.3     | 8.1     | 8.0     | 8.1     | 8.0     |
|   | <b>BOD</b> | 0.5     | 0.4    | 0.5    | 0.6    | 0.5   | 0.8    | 0.7    | 0.9     | 0.7     | 0.7     | 0.7     | 0.4     |
|   | <b>TC</b>  | 12      | 13     | 13     | 110    | 170   | 140    | 170    | 220     | 920     | 920     | 350     | 540     |
| Raw Water from Churat Nallah                              | <b>pH</b>  | 8.14    | 7.56   | 8.00   | 8.00   | 8.15  | 8.00   | 8.02   | 7.86    | 8.33    | 8.11    | 8.03    | 8.23    |
|   | <b>DO</b>  | 9.8     | 9.3    | 8.6    | 8.3    | 7.9   | 8.3    | 8.2    | 8.1     | 8.1     | 8.1     | 8.1     | 8.0     |
|   | <b>BOD</b> | 0.4     | 0.5    | 0.3    | 0.4    | 0.3   | 0.5    | 0.2    | 0.5     | 0.7     | 0.8     | 0.5     | 0.4     |
|   | <b>TC</b>  | 46      | <1.8   | <1.8   | 170    | 130   | 33     | 540    | 6.1     | 240     | >1600   | 540     | 920     |
| Raw Water from Jagroti Nallah                             | <b>pH</b>  | 8.29    | 7.72   | 8.14   | 8.01   | 8.26  | 8.10   | 8.14   | 8.19    | 8.27    | 7.99    | 8.03    | 8.19    |
|   | <b>DO</b>  | 9.7     | 9.5    | 8.2    | 8.5    | 8.7   | 8.2    | 8.0    | 8.0     | 8.0     | 8.0     | 8.0     | 8.1     |
|   | <b>BOD</b> | 0.5     | 0.6    | 0.4    | 0.5    | 0.4   | 0.8    | 0.2    | 0.6     | 0.8     | 0.6     | 0.6     | 0.5     |

| Name Of Location  | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20   | Nov. 20 | Dec. 20   | Jan. 21  | Feb. 21  | Mar. 21   |
|---|------------|---------|--------|--------|--------|-------|--------|----------|---------|-----------|----------|----------|-----------|
|   | <b>TC</b>  | 14      | 23     | <1.8   | 220    | 170   | 130    | 220      | 7.8     | 49        | 540      | 350      | 540       |
| Sainj Nallah<br>U/s Sainj WSS                               | <b>pH</b>  | 8.60    | 8.21   | 8.35   | 8.52   | 8.09  | 8.65   | 8.77     | 8.16    | 8.25      | 8.37     | 8.40     | 8.35      |
|   | <b>DO</b>  | 9.2     | 7.6    | 8.1    | 7.9    | 7.8   | 8.0    | 8.0      | 9.1     | 7.9       | 8.0      | 7.9      | 7.6       |
|   | <b>BOD</b> | 0.6     | 0.3    | 0.6    | 0.5    | 0.6   | 0.6    | 0.5      | 1.0     | 0.9       | 0.9      | 0.4      | 0.5       |
|   | <b>TC</b>  | 33      | 46     | 45     | 220    | 350   | 130    | 110      | 350     | 110       | 540      | 920      | 920       |
| Dhaneson<br>Nallah  | <b>pH</b>  | 8.34    | 7.90   | 8.24   | 8.33   | 8.42  | 8.65   | 8.34     | 8.09    | 8.38      | 8.19     | 8.39     | 8.30      |
|   | <b>DO</b>  | 9.3     | 7.8    | 8.9    | 8.0    | 7.5   | 8.1    | 8.2      | 9.0     | 8.0       | 8.1      | 8.0      | 7.8       |
|   | <b>BOD</b> | 0.5     | 0.2    | 0.5    | 0.6    | 0.6   | 0.6    | 0.9      | 0.9     | 1.2       | 0.7      | 0.4      | 0.8       |
|   | <b>TC</b>  | 63      | 70     | 26     | 350    | 280   | 49     | 220      | 280     | 920       | 920      | 160<br>0 | 540       |
| River Satluj<br>U/s Rampur                                  | <b>pH</b>  | -       | 7.86   | 8.20   | 8.32   | 8.32  | 8.41   | 8.06     | 8.21    | 8.41      | 8.15     | 7.48     | 8.46      |
|   | <b>DO</b>  | -       | 9.1    | 9.0    | 8.9    | 9.1   | 8.6    | 8.5      | 8.9     | 8.5       | 8.7      | 8.9      | 8.9       |
|   | <b>BOD</b> | -       | 0.6    | 0.5    | 0.5    | 0.8   | 0.5    | 0.4      | 1.2     | 1.1       | 0.8      | 0.4      | 0.4       |
|   | <b>TC</b>  | -       | 220    | 220    | 280    | 280   | 140    | 920      | 1600    | 920       | 540      | 540      | 540       |
| River Satluj<br>D/s Rampur                                  | <b>pH</b>  | -       | 7.67   | 8.18   | 8.36   | 8.34  | 8.42   | 8.34     | 8.11    | 8.44      | 8.18     | 7.59     | 8.37      |
|   | <b>DO</b>  | -       | 8.9    | 9.0    | 8.5    | 8.9   | 8.4    | 8.6      | 8.8     | 8.6       | 8.9      | 9.0      | 8.8       |
|   | <b>BOD</b> | -       | 0.4    | 0.6    | 0.6    | 0.8   | 0.9    | 0.5      | 1.5     | 1.6       | 0.5      | 0.7      | 0.5       |
|   | <b>TC</b>  | -       | 350    | 540    | 540    | 540   | 220    | 160<br>0 | >1600   | >16<br>00 | 160<br>0 | 160<br>0 | >16<br>00 |
| River Satluj at<br>Wangtoo<br>Bridge                        | <b>pH</b>  | -       | 7.65   | 8.20   | 8.30   | 8.32  | 8.39   | 7.85     | 8.32    | 8.33      | 8.39     | 7.67     | 8.37      |
|   | <b>DO</b>  | -       | 8.7    | 8.7    | 8.6    | 8.6   | 8.7    | 8.6      | 8.7     | 9.0       | 8.8      | 8.8      | 8.9       |
|   | <b>BOD</b> | -       | 1.4    | 0.5    | 0.6    | 0.8   | 0.4    | 0.6      | 0.7     | 0.5       | 0.8      | 0.5      | 0.5       |
|   | <b>TC</b>  | -       | 540    | 170    | 220    | 350   | 350    | 920      | 170     | 920       | 540      | 170      | 130       |
| River Baspa<br>U/s reservoir<br>Baspa HEP at<br>Kuppa       | <b>pH</b>  | -       | 7.51   | 7.69   | 8.03   | 8.43  | 8.54   | 7.94     | 8.19    | 8.15      | 8.12     | 7.53     | 7.60      |
|   | <b>DO</b>  | -       | 9.3    | 9.5    | 9.4    | 9.2   | 9.2    | 9.7      | 9.2     | 9.3       | 9.3      | 9.3      | 9.1       |
|   | <b>BOD</b> | -       | 0.6    | 0.2    | 0.3    | 0.4   | 0.5    | 0.3      | 1.0     | 0.8       | 0.5      | 0.3      | 0.4       |
|   | <b>TC</b>  | -       | 350    | 79     | 140    | 220   | 140    | 33       | 130     | 130       | 110      | 94       | 170       |
| River Satluj<br>before conf.<br>with River<br>Spiti at Khab | <b>pH</b>  | -       | 7.68   | 8.36   | 8.02   | 8.34  | 7.65   | 8.32     | 8.32    | 8.33      | 7.97     | 7.69     | 8.26      |
|   | <b>DO</b>  | -       | 9.5    | 9.0    | 8.9    | 9.4   | 8.4    | 9.0      | 9.1     | 9.0       | 9.2      | 9.2      | 9.3       |
|   | <b>BOD</b> | -       | 0.8    | 0.3    | 0.5    | 0.9   | 0.7    | 0.4      | 0.7     | 0.5       | 0.6      | 0.4      | 0.5       |
|   | <b>TC</b>  | -       | 170    | 170    | 140    | 220   | 220    | 170      | 79      | 350       | 540      | 70       | 70        |
| River Spiti<br>before conf.                                 | <b>pH</b>  | -       | 7.84   | 8.28   | 8.23   | 8.33  | 8.28   | 8.36     | 8.18    | 8.36      | 8.39     | 7.70     | 8.33      |
|   | <b>DO</b>  | -       | 9.7    | 8.8    | 8.6    | 9.6   | 8.6    | 9.4      | 9.4     | 9.3       | 9.4      | 9.4      | 9.6       |

| Name Of Location                                  | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|---|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| with River Satluj at Khab                         | <b>BOD</b> | -       | 0.5    | 0.3    | 0.3    | 0.6   | 0.9    | 0.3    | 0.4     | 0.6     | 0.5     | 0.2     | 0.4     |
|   | <b>TC</b>  | -       | 130    | 220    | 110    | 280   | 350    | 130    | <1.8    | 240     | 350     | 46      | 94      |
| River Satluj after conf. with River Spiti at Khab | <b>pH</b>  | -       | 7.92   | 8.28   | 8.36   | 8.32  | 8.39   | 8.42   | 8.20    | 8.47    | 8.39    | 7.80    | 8.38    |
|   | <b>DO</b>  | -       | 9.6    | 8.9    | 8.7    | 9.5   | 8.5    | 9.6    | 9.6     | 9.4     | 9.5     | 9.2     | 9.4     |
|   | <b>BOD</b> | -       | 0.9    | 0.2    | 0.5    | 0.7   | 0.6    | 0.4    | 0.6     | 0.7     | 0.4     | 0.3     | 0.5     |
|   | <b>TC</b>  | -       | 140    | 170    | 130    | 240   | 280    | 110    | 110     | 540     | 350     | 70      | 49      |
| Karcham Dam                                       | <b>pH</b>  | -       | 8.10   | 8.13   | 8.32   | 8.31  | 8.41   | 8.64   | 8.30    | 8.42    | 8.38    | 7.77    | 8.29    |
|   | <b>DO</b>  | -       | 9.0    | 8.9    | 8.0    | 8.9   | 8.7    | 8.7    | 8.9     | 8.7     | 8.9     | 8.9     | 9.0     |
|   | <b>BOD</b> | -       | 0.7    | 0.7    | 0.7    | 0.3   | 0.6    | 0.5    | 1.0     | 0.9     | 0.8     | 0.4     | 0.6     |
|   | <b>TC</b>  | -       | 350    | 49     | 140    | 240   | 350    | 280    | 920     | 540     | 920     | 110     | 350     |
| R. Satluj U/s Tattapani                           | <b>pH</b>  | -       | 7.48   | 8.21   | 8.27   | 8.30  | 8.42   | 8.04   | 8.13    | 8.38    | 8.16    | 7.27    | 7.30    |
|   | <b>DO</b>  | -       | 8.9    | 8.5    | 8.4    | 8.8   | 8.7    | 8.7    | 8.8     | 8.7     | 8.7     | 8.9     | 9.0     |
|   | <b>BOD</b> | -       | 0.8    | 0.6    | 0.5    | 0.9   | 0.5    | 0.3    | 0.8     | 0.9     | 0.5     | 0.5     | 0.4     |
|   | <b>TC</b>  | -       | 280    | 540    | 540    | 540   | 350    | 920    | 220     | 920     | 920     | 920     | >1600   |
| River Satluj D/s TRT OF RHEP                      | <b>pH</b>  | -       | 7.72   | 8.27   | 8.22   | 8.33  | 8.43   | 8.18   | 8.18    | 8.42    | 8.18    | 7.30    | 8.31    |
|   | <b>DO</b>  | -       | 8.7    | 8.7    | 8.6    | 8.6   | 8.6    | 8.2    | 8.7     | 8.5     | 8.7     | 8.9     | 9.0     |
|   | <b>BOD</b> | -       | 1.1    | 0.6    | 0.7    | 0.7   | 1.0    | 0.4    | 0.8     | 0.8     | 0.7     | 0.4     | 0.4     |
|   | <b>TC</b>  | -       | 540    | 920    | 540    | 920   | 350    | 540    | 920     | 540     | 540     | 920     | 540     |
| River Satluj U/s confluence with River Tidong     | <b>pH</b>  | -       | 8.02   | 8.29   | 8.38   | 8.34  | 8.39   | 8.41   | 8.35    | 8.52    | 8.36    | 7.67    | 8.39    |
|   | <b>DO</b>  | -       | 9.4    | 8.5    | 8.7    | 9.4   | 8.7    | 8.7    | 8.8     | 8.9     | 8.9     | 9.0     | 9.2     |
|   | <b>BOD</b> | -       | 0.8    | 0.5    | 0.6    | 0.5   | 0.6    | 0.6    | 0.7     | 0.6     | 0.4     | 0.5     | 0.4     |
|   | <b>TC</b>  | -       | 220    | 350    | 220    | 220   | 130    | 430    | 350     | 350     | 350     | 46      | 70      |
| River Satluj D/s confluence with River Tidong     | <b>pH</b>  | -       | 7.94   | 8.28   | 8.32   | 8.32  | 8.39   | 8.36   | 8.34    | 8.53    | 8.32    | 7.77    | 8.36    |
|   | <b>DO</b>  | -       | 9.3    | 8.6    | 8.6    | 9.2   | 8.8    | 8.8    | 8.9     | 9.0     | 9.0     | 8.9     | 9.3     |
|   | <b>BOD</b> | -       | 1.0    | 0.4    | 0.5    | 0.8   | 0.6    | 0.8    | 0.8     | 0.6     | 0.5     | 0.5     | 0.6     |
|   | <b>TC</b>  | -       | 540    | 430    | 350    | 280   | 170    | 210    | 540     | 540     | 920     | 70      | 70      |
| River Satluj D/s Power House at Kashang HEP       | <b>pH</b>  | -       | 8.04   | 8.24   | 8.20   | 8.30  | 8.43   | 8.31   | 8.35    | 8.42    | 8.38    | 7.81    | 8.43    |
|   | <b>DO</b>  | -       | 8.9    | 8.7    | 8.6    | 8.8   | 8.6    | 8.6    | 9.0     | 9.0     | 8.7     | 9.0     | 9.0     |
|   | <b>BOD</b> | -       | 0.9    | 0.5    | 0.6    | 0.8   | 0.6    | 0.4    | 0.9     | 0.6     | 0.4     | 0.4     | 0.4     |
|   | <b>TC</b>  | -       | 280    | 350    | 240    | 350   | 130    | 350    | 240     | 540     | 920     | 70      | 110     |
|   | <b>pH</b>  | -       | 8.13   | 8.25   | 8.34   | 8.33  | 8.40   | 8.34   | 8.35    | 8.31    | 8.35    | 7.62    | 8.42    |

| Name Of Location                                   | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|--|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| Satluj River D/s Tidong HEP                        | <b>DO</b>  | -       | 9.3    | 8.5    | 8.9    | 9.2   | 8.7    | 8.7    | 8.8     | 8.9     | 8.9     | 8.9     | 9.3     |
|  | <b>BOD</b> | -       | 0.8    | 0.4    | 0.4    | 0.3   | 0.7    | 0.5    | 0.8     | 0.5     | 0.6     | 0.4     | 0.4     |
|  | <b>TC</b>  | -       | 350    | 540    | 280    | 350   | 220    | 350    | 350     | 350     | 240     | 94      | 79      |
| R Satluj U/s landfill site of Rampur               | <b>pH</b>  | -       | 7.52   | 8.03   | 8.39   | 8.03  | 8.39   | 8.03   | 8.21    | 8.53    | 7.48    | 7.71    | 8.53    |
|  | <b>DO</b>  | -       | 9.2    | 8.9    | 8.8    | 9.1   | 8.5    | 8.6    | 9.0     | 8.7     | 8.6     | 9.0     | 9.0     |
|  | <b>BOD</b> | -       | 1.0    | 0.5    | 0.5    | 0.9   | 0.8    | 0.4    | 1.6     | 1.4     | 0.5     | 0.4     | 0.7     |
| R Satluj D/s landfill site of Rampur               | <b>TC</b>  | -       | 280    | 280    | 220    | 280   | 130    | 350    | 920     | 540     | 920     | >1600   | 350     |
|  | <b>pH</b>  | -       | 8.20   | 7.68   | 8.35   | 8.15  | 8.35   | 8.18   | 8.19    | 8.39    | 8.06    | 7.49    | 8.41    |
|  | <b>DO</b>  | -       | 9.0    | 8.7    | 8.5    | 9.0   | 8.4    | 8.5    | 8.9     | 8.7     | 8.7     | 9.1     | 8.8     |
| R Satluj U/s landfill site of Rampur               | <b>BOD</b> | -       | 0.9    | 0.7    | 0.8    | 0.8   | 0.8    | 0.2    | 1.8     | 1.5     | 0.9     | 0.6     | 0.8     |
|  | <b>TC</b>  | -       | 540    | 540    | 280    | 350   | 170    | 920    | 1600    | 1600    | >1600   | 1600    | >1600   |
|  | <b>pH</b>  | -       | 7.70   | 8.11   | 8.36   | 8.32  | 8.39   | 7.90   | 8.13    | 8.13    | 8.03    | 7.41    | 8.33    |
| R. Satluj U/s Conf with Ganvi Khad                 | <b>DO</b>  | -       | 9.0    | 8.9    | 8.9    | 9.0   | 8.5    | 8.8    | 8.9     | 9.7     | 9.0     | 9.2     | 9.2     |
|  | <b>BOD</b> | -       | 0.5    | 0.4    | 0.5    | 0.9   | 0.8    | 0.5    | 0.8     | 0.4     | 0.6     | 0.2     | 0.4     |
|  | <b>TC</b>  | -       | 280    | 94     | 140    | 170   | 220    | 540    | 920     | 350     | 240     | 350     | 140     |
| R. Satluj D/s Conf with Ganvi Khad                 | <b>pH</b>  | -       | 7.73   | 7.99   | 8.35   | 8.37  | 8.29   | 8.13   | 8.11    | 8.19    | 7.07    | 7.44    | 8.07    |
|  | <b>DO</b>  | -       | 9.2    | 9.0    | 8.8    | 9.2   | 8.6    | 8.7    | 8.9     | 9.8     | 9.1     | 9.3     | 9.3     |
|  | <b>BOD</b> | -       | 0.9    | 0.4    | 0.4    | 0.8   | 0.3    | 0.4    | 0.9     | 0.5     | 0.4     | 0.2     | 0.6     |
| R. Satluj U/s Conf. of River Baspa                 | <b>TC</b>  | -       | 430    | 140    | 79     | 220   | 280    | 350    | 920     | 240     | 350     | 540     | 240     |
|  | <b>pH</b>  | -       | -      | 8.21   | 8.36   | 8.71  | 8.39   | 7.95   | 8.31    | 8.46    | 8.34    | 7.64    | 8.29    |
|  | <b>DO</b>  | -       | -      | 8.6    | 9.3    | 9.4   | 8.9    | 8.5    | 8.9     | 8.6     | 8.8     | 8.8     | 8.9     |
| R. Satluj D/s Conf. of River Baspa                 | <b>BOD</b> | -       | -      | 0.3    | 0.3    | 0.6   | 0.7    | 0.6    | 0.6     | 0.7     | 0.6     | 0.3     | 0.3     |
|  | <b>TC</b>  | -       | -      | 170    | 170    | 280   | 170    | 280    | 350     | 920     | 540     | 70      | 240     |
|  | <b>pH</b>  | -       | -      | 7.94   | 8.21   | 8.64  | 8.40   | 8.39   | 8.34    | 8.40    | 8.29    | 7.58    | 8.33    |
| Halog Nallah water supply scheme Bag Khaneri,Halog | <b>DO</b>  | -       | -      | 8.8    | 9.2    | 9.3   | 8.8    | 8.7    | 9.0     | 8.6     | 8.9     | 8.7     | 9.0     |
|  | <b>BOD</b> | -       | -      | 0.4    | 0.4    | 0.5   | 0.9    | 0.5    | 0.8     | 0.6     | 0.7     | 0.5     | 0.5     |
|  | <b>TC</b>  | -       | -      | 220    | 170    | 280   | 220    | 240    | 540     | 540     | 350     | 130     | 79      |
| Halog Nallah water supply scheme Bag Khaneri,Halog | <b>pH</b>  | -       | 7.99   | 8.03   | 7.92   | 8.08  | 8.48   | 8.27   | 8.30    | 8.30    | 8.16    | 7.58    | 8.39    |
|  | <b>DO</b>  | -       | 10.0   | 9.5    | 9.4    | 9.9   | 9.6    | 9.8    | 9.4     | 9.3     | 9.3     | 9.8     | 9.5     |
|  | <b>BOD</b> | -       | 0.4    | 0.5    | 0.2    | 0.3   | 0.6    | 0.5    | 0.5     | 0.5     | 0.4     | 0.5     | 0.6     |
| Halog Nallah water supply scheme Bag Khaneri,Halog | <b>TC</b>  | -       | 13     | 23     | 350    | 540   | 350    | 240    | 540     | 350     | 1600    | 33      | 540     |

| Name Of Location  | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|---|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| Machada Nallah,Majhouthi Water supply Scheme,Nirsu, Majhouthi | pH         | -       | 7.75   | 8.17   | 8.09   | 8.17  | 8.21   | 8.40   | 8.22    | 8.40    | 7.97    | 7.61    | 8.20    |
|   | DO         | -       | 9.8    | 9.4    | 9.3    | 9.7   | 9.5    | 9.5    | 9.3     | 9.2     | 9.4     | 9.7     | 9.4     |
|   | BOD        | -       | 0.6    | 0.4    | 0.6    | 0.4   | 0.9    | 0.7    | 0.4     | 0.6     | 0.4     | 0.5     | 0.5     |
|   | TC         | -       | 350    | 920    | 350    | 430   | 540    | 130    | 110     | 540     | 540     | 920     | 920     |
| River Binwa D/S Paprola/Baijnath (2608)                       | pH         | 7.9     | 7.68   | 7.81   | 7.66   | 7.72  | 7.51   | 7.99   | 7.84    | 7.53    | 7.58    | 7.51    | 7.69    |
|   | DO         | 7.5     | 9.2    | 8.8    | 8.2    | 8.5   | 8.3    | 8.9    | 8.5     | 8.8     | 8.2     | 8.1     | 7.9     |
|   | BOD        | 0.1     | 0.2    | 0.1    | 0.2    | 0.2   | 0.1    | 0.1    | 0.2     | 0.1     | 0.1     | 2.0     | 0.2     |
|   | TC         | 110.0   | 46     | 41     | 48     | 27    | 39     | 21     | 31      | 39      | 21      | 33      | 26      |
| River Neugal D/S Thural (2609)                                | pH         | 7.8     | 7.78   | 7.77   | 8.1    | 7.97  | 7.95   | 7.82   | 7.89    | 7.72    | 7.26    | 7.34    | 8.1     |
|   | DO         | 8.8     | 9.0    | 9.0    | 9.0    | 8.9   | 8.8    | 8.6    | 9.0     | 9.1     | 8.6     | 9.8     | 9.4     |
|   | BOD        | 0.1     | 0.2    | 0.3    | 0.2    | 0.2   | 0.2    | 0.2    | 0.2     | 0.3     | 0.2     | 0.2     | 0.1     |
|   | TC         | 22.0    | 34     | 38     | 22     | 47    | 38     | 25     | 17      | 27      | 27      | 33      | 26      |
| River Ravi U/S Chamba (1089)                                  | pH         | 7.7     | 7.79   | 7.59   | 7.78   | 8.04  | 7.89   | 7.31   | 7.3     | 7.42    | 7.83    | 7.74    | 7.71    |
|   | DO         | 7.1     | 9.3    | 8.8    | 8.0    | 8.4   | 8.5    | 8.2    | 8.2     | 8.3     | 8.5     | 8.4     | 8.7     |
|   | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.2   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 27.0    | 26     | 31     | 20     | 21    | 32     | 21     | 25      | 31      | 27      | 22      | 25      |
| River Beas D/S Jaisinghpur (2604)                             | pH         | 8.0     | 7.74   | 7.68   | 7.81   | 8.02  | 7.92   | 7.92   | 8.26    | 8.19    | 7.92    | 7.95    | 8.19    |
|   | DO         | 9.0     | 8.7    | 8.7    | 8.9    | 8.5   | 9.0    | 9.1    | 9.2     | 8.7     | 8.9     | 9.5     | 9.3     |
|   | BOD        | 0.1     | 0.5    | 0.4    | 0.4    | 0.3   | 0.2    | 0.2    | 0.1     | 0.3     | 0.2     | 0.2     | 0.2     |
|   | TC         | 33.0    | 47     | 49     | 33     | 34    | 33     | 25     | 21      | 34      | 33      | 33      | 33      |
| River Beas D/S Alampur (1007)                                 | pH         | 7.9     | 7.97   | 7.89   | 7.96   | 7.82  | 8.02   | 7.88   | 7.98    | 8.22    | 7.63    | 7.78    | 8.17    |
|   | DO         | 9.4     | 8.7    | 8.7    | 8.8    | 9.0   | 9.2    | 8.8    | 8.8     | 9.2     | 9.0     | 9.6     | 9.6     |
|   | BOD        | 0.1     | 0.4    | 0.3    | 0.3    | 0.2   | 0.2    | 0.2    | 0.3     | 0.3     | 0.2     | 0.2     | 0.2     |
|   | TC         | 21.0    | 43     | 48     | 39     | 33    | 34     | 27     | 31      | 27      | 25      | 34      | 31      |
| River Ravi D/S Chamba (2613)                                  | pH         | 7.8     | 7.81   | 7.82   | 7.84   | 7.82  | 7.79   | 7.4    | 7.36    | 7.61    | 7.9     | 7.88    | 7.8     |
|   | DO         | 9.5     | 9.1    | 8.7    | 7.8    | 8.1   | 8.5    | 8.2    | 8.1     | 8.2     | 8.4     | 8.3     | 8.7     |
|   | BOD        | 0.1     | 0.2    | 0.1    | 0.1    | 0.2   | 0.2    | 0.1    | 0.2     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 32.0    | 34     | 38     | 39     | 38    | 41     | 26     | 33      | 39      | 27      | 31      | 25      |
| Khajiar Lake Chamba (2650)                                    | pH         | 7.9     | 7.67   | 7.36   | 7.79   | 7.97  | 6.67   | 6.65   | 7.96    | 6.87    | 7.71    | 7.64    | 6.47    |
|   | DO         | 6.7     | 6.1    | 5.9    | 6.3    | 6.2   | 6.4    | 6.2    | 6.0     | 6.2     | 5.8     | 5.7     | 5.9     |
|   | BOD        | 2.0     | 0.6    | 0.8    | 0.6    | 0.4   | 2.0    | 2.0    | 1.2     | 2.0     | 2.0     | 2.0     | 0.8     |



| Name Of Location                                  | Para meter | Apr. 20             | May 20              | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20             | Jan. 21 | Feb. 21 | Mar. 21 |
|---|------------|---------------------|---------------------|--------|--------|-------|--------|--------|---------|---------------------|---------|---------|---------|
|   | TC         | 170.0               | 63                  | 94     | 63     | 48    | 33     | 32     | 49      | 88                  | 31      | 70      | 45      |
| River Ravi at Chamera Reservoir (2614)            | pH         | 7.7                 | 7.81                | 7.59   | 7.76   | 7.85  | 7.87   | 7.84   | 7.77    | 7.88                | 7.71    | 7.68    | 7.77    |
|   | DO         | 8.9                 | 9.0                 | 8.8    | 8.3    | 8.8   | 8.6    | 8.3    | 8.1     | 8.7                 | 8.3     | 8.5     | 8.7     |
|   | BOD        | 0.2                 | 0.2                 | 0.1    | 0.1    | 0.2   | 0.1    | 0.1    | 0.2     | 0.1                 | 0.1     | 0.1     | 0.1     |
|   | TC         | 110.0               | 33                  | 34     | 40     | 25    | 33     | 31     | 33      | 39                  | 33      | 27      | 39      |
| River Siul D/S Surgani (2616)                     | pH         | 7.8                 | 7.78                | 7.62   | 7.38   | 7.78  | 7.81   | 7.67   | 7.98    | 7.76                | 7.52    | 7.48    | 7.62    |
|   | DO         | 9.4                 | 9.0                 | 8.9    | 8.2    | 8.7   | 8.7    | 8.2    | 8.3     | 8.7                 | 8.8     | 8.7     | 8.7     |
|   | BOD        | 0.1                 | 0.3                 | 0.1    | 0.1    | 0.1   | 0.2    | 0.1    | 0.2     | 0.1                 | 0.2     | 0.1     | 0.2     |
|   | TC         | 63.0                | 33                  | 33     | 21     | 27    | 26     | 27     | 27      | 34                  | 33      | 39      | 39      |
| River Ravi U/s Madhopur HW (1088)                 | pH         | Sample not received |                     |        | 7.68   | 7.84  | 7.92   | 7.42   | 7.26    | Sample not received | 7.36    | 7.41    | 7.34    |
|   | DO         |                     |                     |        | 9.0    | 8.6   | 9.0    | 8.9    | 7.5     |                     | 9.0     | 8.6     | 8.7     |
|   | BOD        |                     |                     |        | 0.2    | 0.2   | 0.3    | 0.2    | 0.2     |                     | 0.2     | 0.1     | 0.1     |
|   | TC         |                     |                     |        | 48     | 39    | 47     | 39     | 48      |                     | 34      | 31      | 41      |
| River Satluj D/S Bhakhra (1016)                   | pH         | 8.3                 | 7.74                | 7.79   | 7.89   | 7.91  | 7.81   | 7.87   | 7.14    | 7.82                | 7.47    | 7.54    | 7.87    |
|   | DO         | 9.5                 | 9.8                 | 9.7    | 8.0    | 9.5   | 8.0    | 9.3    | 9.3     | 9.3                 | 8.9     | 9.2     | 8.9     |
|   | BOD        | 0.1                 | 0.2                 | 0.1    | 0.1    | 0.1   | 0.3    | 0.1    | 0.2     | 0.2                 | 0.1     | 0.2     | 0.3     |
|   | TC         | 63.0                | 63                  | 32     | 58     | 38    | 58     | 48     | 21      | 27                  | 58      | 22      | 58      |
| River Swan D/S (Nangal) Santokhgarh (1869)        | pH         | 8.0                 | Sample not received | 7.68   | 7.96   | 7.96  | 7.98   | 7.94   | 7.45    | 7.95                | 7.68    | 7.71    | 7.86    |
|   | DO         | 8.1                 |                     | 8.1    | 7.0    | 8.0   | 7.9    | 7.8    | 7.5     | 7.3                 | 7.8     | 7.3     | 7.3     |
|   | BOD        | 0.2                 |                     | 0.4    | 0.3    | 0.4   | 0.4    | 0.3    | 0.3     | 0.3                 | 0.2     | 0.3     | 0.3     |
|   | TC         | 130.0               |                     | 63     | 210    | 47    | 70     | 70     | 48      | 58                  | 84      | 94      | 84      |
| River Ravi D/S of proposed Dam Chamera III (2615) | pH         | 7.9                 | 7.78                | 7.67   | 7.93   | 8.02  | 7.85   | 7.38   | 7.52    | 7.32                | 7.92    | 7.9     | 7.73    |
|   | DO         | 9.8                 | 9.2                 | 9.2    | 8.2    | 8.3   | 8.4    | 8.2    | 8.3     | 8.3                 | 8.6     | 8.4     | 8.9     |
|   | BOD        | 0.3                 | 0.2                 | 0.2    | 0.2    | 0.2   | 0.1    | 0.1    | 0.1     | 0.1                 | 0.1     | 0.1     | 0.1     |
|   | TC         | 26.0                | 39                  | 25     | 21     | 39    | 32     | 33     | 33      | 39                  | 33      | 43      | 33      |
| River Beas Pong Dam at Pong Village (1292)        | pH         | 8.0                 | 7.85                | 7.72   | 8.02   | 7.92  | 7.98   | 7.9    | 7.97    | 7.77                | 7.69    | 8.11    | 7.66    |
|   | DO         | 9.2                 | 9.6                 | 9.1    | 9.2    | 8.8   | 9.1    | 9.4    | 9.1     | 9.1                 | 7.4     | 8.8     | 9.1     |
|   | BOD        | 0.1                 | 0.2                 | 0.3    | 0.1    | 0.3   | 0.1    | 0.1    | 0.1     | 0.1                 | 0.3     | 0.1     | 0.1     |
|   | TC         | 58.0                | 58                  | 38     | 25     | 27    | 25     | 26     | 27      | 33                  | 25      | 26      | 27      |
| River Beas D/S Pong Dam (1009)                    | pH         | 8.0                 | 7.89                | 7.84   | 7.83   | 7.87  | 7.88   | 7.84   | 8.01    | 7.8                 | 7.5     | 8.02    | 7.72    |
|   | DO         | 9.0                 | 7.6                 | 9.0    | 9.0    | 8.7   | 9.0    | 8.5    | 9       | 9.0                 | 5.5     | 8.7     | 9.0     |
|   | BOD        | 0.2                 | 0.2                 | 0.2    | 0.2    | 0.2   | 0.2    | 0.1    | 0.2     | 0.1                 | 0.1     | 0.1     | 0.1     |

| Name Of Location                             | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|--|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
|  | TC         | 63.0    | 63     | 31     | 41     | 48    | 32     | 31     | 33      | 39      | 26      | 31      | 34      |
| River Beas D/S Dehra (1008)                  | pH         | 7.9     | 7.86   | 7.84   | 8.02   | 7.75  | 7.82   | 8.06   | 8.12    | 8.18    | 7.98    | 7.88    | 7.93    |
|  | DO         | 8.6     | 9.2    | 8.9    | 9.0    | 8.7   | 8.9    | 9.2    | 9.3     | 9.3     | 8.8     | 8.9     | 9.3     |
|  | BOD        | 0.1     | 0.2    | 0.3    | 0.2    | 0.3   | 0.3    | 0.2    | 0.2     | 0.3     | 0.2     | 0.2     | 0.2     |
|  | TC         | 33.0    | 49     | 58     | 27     | 48    | 27     | 27     | 21      | 25      | 26      | 41      | 33      |
| Swan River U/s Satokhgarh Bridge 3858        | pH         | 8.3     | 7.92   | 7.85   | 7.84   | 7.99  | 7.8    | 7.89   | 7.8     | 7.89    | 7.61    | 7.65    | 7.37    |
|  | DO         | 7.6     | 8.2    | 8.3    | 6.5    | 8.2   | 7.9    | 7.8    | 7.1     | 7.1     | 6.9     | 7.0     | 7.1     |
|  | BOD        | 0.1     | 0.2    | 0.2    | 0.2    | 0.3   | 0.2    | 0.2    | 0.2     | 0.2     | 0.1     | 0.3     | 0.1     |
|  | TC         | 120.0   | 39     | 40     | 110    | 39    | 63     | 58     | 58      | 63      | 48      | 88      | 70      |
| River Beas D/s Nadaun Bridge 3855            | pH         | 7.7     | 7.48   | 7.72   | 7.82   | 8.06  | 8.01   | 8.06   | 7.94    | 8.19    | 8.12    | 8.05    | 8.02    |
|  | DO         | 8.0     | 9      | 9.1    | 8.8    | 8.5   | 8.6    | 8.9    | 9.1     | 9.4     | 8.9     | 9       | 9.2     |
|  | BOD        | 0.1     | 0.5    | 0.2    | 0.2    | 0.2   | 0.2    | 0.2    | 0.2     | 0.2     | 0.1     | 0.2     | 0.1     |
|  | TC         | 27.0    | 38     | 34     | 33     | 32    | 26     | 27     | 34      | 27      | 31      | 27      | 26      |
| Swan River U/s Una Town Ghaluwal Bridge 3859 | pH         | 7.7     | 7.78   | 7.7    | 7.7    | 8.01  | 7.89   | 7.86   | 7.86    | 7.96    | 7.78    | 7.83    | 7.81    |
|  | DO         | 7.2     | 8.3    | 7.9    | 6.3    | 7.7   | 9.1    | 6.9    | 6.6     | 6.9     | 6.8     | 6.9     | 7.2     |
|  | BOD        | 0.1     | 0.2    | 0.2    | 10.0   | 0.3   | 0.2    | 0.2    | 0.5     | 0.2     | 0.3     | 0.2     | 0.2     |
|  | TC         | 140.0   | 38     | 58     | 240    | 38    | 40     | 48     | 110     | 120     | 79      | 63      | 88      |
| Swan River U/s Ind. Area Gagret 3856         | pH         | 7.8     | 7.9    | 7.79   | 7.98   | 7.89  | 8.03   | 7.85   | 7.88    | 7.9     | 7.94    | 7.81    | 7.88    |
|  | DO         | 6.8     | 8.1    | 8.1    | 6.5    | 7.9   | 7.5    | 7.1    | 7.2     | 7.5     | 7.2     | 7.4     | 7.4     |
|  | BOD        | 0.1     | 0.2    | 0.2    | 0.1    | 0.2   | 0.1    | 0.2    | 0.2     | 0.2     | 0.3     | 0.1     | 0.2     |
|  | TC         | 130.0   | 33     | 47     | 110    | 41    | 79     | 47     | 48      | 58      | 41      | 46      | 39      |
| Swan River D/s Ind. Area Gagret 3857         | pH         | 7.8     | 7.94   | 7.87   | 7.84   | 8.02  | 8.08   | 7.94   | 7.83    | 7.99    | 8.01    | 7.97    | 7.93    |
|  | DO         | 6.3     | 8.2    | 7.7    | 6.4    | 7.7   | 7.7    | 6.9    | 7.3     | 7.1     | 7       | 7.2     | 7.1     |
|  | BOD        | 0.2     | 0.3    | 0.4    | 0.3    | 0.3   | 0.3    | 0.3    | 0.3     | 0.2     | 0.3     | 0.2     | 0.3     |
|  | TC         | 150.0   | 58     | 70     | 120    | 58    | 94     | 49     | 58      | 63      | 46      | 48      | 47      |
| River Ravi U/s STP (Barga) Chamba 3873       | pH         | 7.9     | 7.75   | 7.62   | 7.7    | 7.79  | 7.7    | 7.55   | 7.56    | 7.53    | 7.8     | 7.7     | 7.82    |
|  | DO         | 9.6     | 9.2    | 8.7    | 8.0    | 8.2   | 8.5    | 8.0    | 8.2     | 8.3     | 8.5     | 8.3     | 8.7     |
|  | BOD        | 0.1     | 0.2    | 0.1    | 0.1    | 0.2   | 0.1    | 0.1    | 0.2     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 46.0    | 58     | 38     | 21     | 41    | 33     | 25     | 26      | 33      | 31      | 27      | 33      |
| River Ravi D/s STP (Bhagot) Chamba 3874      | pH         | 8.0     | 7.86   | 7.71   | 7.79   | 7.86  | 7.88   | 7.52   | 7.38    | 7.58    | 7.88    | 7.82    | 7.88    |
|  | DO         | 9.5     | 9.1    | 8.7    | 7.9    | 8.0   | 8.4    | 8.1    | 8.1     | 8.2     | 8.4     | 8.3     | 8.7     |

| Name Of Location                        | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|---|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
|   | BOD        | 0.2     | 0.2    | 0.4    | 0.2    | 0.1   | 0.3    | 0.1    | 0.2     | 0.2     | 0.1     | 0.1     | 0.1     |
|   | TC         | 47.0    | 63     | 39     | 47     | 63    | 40.0   | 27     | 31      | 38      | 33      | 31      | 31      |
| Mol Khad U/s Palampur (4025)            | pH         | 7.9     | 7.89   | 7.7    | 7.64   | 7.68  | 7.84   | 7.67   | 8.04    | 7.68    | 7.62    | 7.38    | 7.62    |
|   | DO         | 8.8     | 9.0    | 8.9    | 8.9    | 8.7   | 8.9    | 8.4    | 8.6     | 8.5     | 8.5     | 8.0     | 8.2     |
|   | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 58.0    | 25     | 26     | 20     | 22    | 21.0   | 26     | 21      | 26      | 22      | 21      | 22      |
| Mol Khad D/s Palampur (4026)            | pH         | 7.9     | 7.73   | 7.57   | 7.7    | 7.5   | 7.99   | 7.78   | 8.11    | 7.71    | 7.43    | 7.31    | 7.58    |
|   | DO         | 8.7     | 8.9    | 9.0    | 8.1    | 8.1   | 8.6    | 8.1    | 8.6     | 8.4     | 8.4     | 7.8     | 7.5     |
|   | BOD        | 0.2     | 0.1    | 0.1    | 0.2    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.2     | 0.2     |
|   | TC         | 46.0    | 32     | 26     | 24     | 33    | 24.0   | 31     | 25      | 34      | 32      | 31      | 31      |
| Sahu Nallah D/s of Bhuri Singh SHEP     | pH         | 8.0     | 7.96   | 7.7    | 7.91   | 7.96  | 7.88   | 7.87   | 7.87    | 7.83    | 8.0     | 7.98    | 7.99    |
|   | DO         | 8.5     | 8.8    | 9      | 8.3    | 8.6   | 8.7    | 8.4    | 8.4     | 8.5     | 8.6     | 8.8     | 8.9     |
|   | BOD        | 0.2     | 0.2    | 0.2    | 0.1    | 0.1   | 0.3    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 48.0    | 40     | 25     | 25     | 27    | 24.0   | 40     | 31      | 34      | 43      | 40      | 39      |
| Sahu Nallah U/s of Bhuri Singh SHEP     | pH         | 8.0     | 7.89   | 7.58   | 7.82   | 7.87  | 7.92   | 7.8    | 7.79    | 7.74    | 7.98    | 7.92    | 7.92    |
|   | DO         | 8.3     | 8.8    | 9.1    | 8.3    | 8.6   | 8.7    | 8.4    | 8.4     | 8.5     | 8.6     | 8.8     | 8.9     |
|   | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 46.0    | 33     | 23     | 17     | 22    | 22.0   | 33     | 27      | 31      | 31      | 33      | 27      |
| Manjhi Khad U/s Dharamshala at Khaniara | pH         | 8.5     | 7.62   | 7.2    | 7.97   | 7.19  | 7.25   | 7.69   | 7.78    | 7.26    | 7.85    | 7.29    | 7.72    |
|   | DO         | 9.0     | 9.4    | 8.8    | 9.0    | 8.7   | 8.8    | 9.1    | 8.9     | 9.1     | 8.2     | 8.4     | 9.2     |
|   | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 40.0    | 33     | 27     | 21     | 26    | 21     | 22     | 21      | 24      | 25      | 26      | 22      |
| Manjhi Khad D/s Dharamshala at Chetru   | pH         | 8.4     | 7.66   | 7.31   | 7.14   | 7.43  | 7.57   | 7.85   | 7.82    | 7.86    | 7.27    | 7.53    | 7.83    |
|   | DO         | 9.0     | 8.8    | 8.1    | 8.4    | 8.3   | 8.7    | 8.9    | 8.7     | 8.5     | 8.8     | 7.7     | 8.8     |
|   | BOD        | 0.1     | 0.1    | 0.2    | 0.2    | 0.2   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.2     | 0.2     |
|   | TC         | 47.0    | 32     | 32     | 25     | 33    | 24     | 33     | 26      | 26      | 39      | 25      | 31      |
| Swan River B/C of Garni Khad            | pH         | 7.8     | 7.79   | 7.76   | 7.79   | 7.92  | 8.11   | 7.87   | 7.98    | 7.86    | 7.65    | 7.68    | 7.79    |
|   | DO         | 7.8     | 8.2    | 8.0    | 6.3    | 7.9   | 7.8    | 7.2    | 7.4     | 7.2     | 7.3     | 7.3     | 7.5     |
|   | BOD        | 0.1     | 0.2    | 0.3    | 0.2    | 0.2   | 0.1    | 0.1    | 0.3     | 0.1     | 0.2     | 0.2     | 0.2     |
|   | TC         | 110.0   | 33     | 49     | 110    | 38    | 63.0   | 50     | 39      | 47      | 63      | 17      | 49      |
|   | pH         | 7.8     | 7.83   | 7.84   | 7.65   | 8     | 8.09   | 7.99   | 7.94    | 7.97    | 7.68    | 7.72    | 7.86    |

| Name Of Location   | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|--|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| Swan River A/C of Garni Khad   | DO         | 8.1     | 8.1    | 8.3    | 6.4    | 8.1   | 7.8    | 7.0    | 7.2     | 7.4     | 7.2     | 7.1     | 7.6     |
|  | BOD        | 0.2     | 0.2    | 0.3    | 0.3    | 0.3   | 0.2    | 0.2    | 0.3     | 0.2     | 0.3     | 0.3     | 0.4     |
|  | TC         | 84.0    | 40     | 48     | 130    | 43    | 79.0   | 63     | 48      | 58      | 70      | 63      | 63      |
| Baner Khad U/s Chamunda Temple 4457                                    | pH         | 7.6     | 7.77   | 7.29   | 7.65   | 7.98  | 7.96   | 7.11   | 7.31    | 7.72    | 7.91    | 7.73    | 7.90    |
|  | DO         | 8.8     | 9      | 9.1    | 8.8    | 8.6   | 8.7    | 8.5    | 8.7     | 9.1     | 8.40    | 7.90    | 7.60    |
|  | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.10    | 0.10    | 0.10    |
|  | TC         | 39.0    | 31     | 27     | 21     | 25    | 26     | 21     | 17      | 21      | 17      | 21      | 21      |
| Baner Khad D/s Chamunda Temple 4458                                    | pH         | 7.8     | 7.7    | 7.33   | 7.76   | 7.81  | 8.02   | 7.16   | 7.36    | 7.57    | 7.97    | 7.84    | 7.84    |
|  | DO         | 8.6     | 9      | 8.9    | 8.1    | 8.2   | 8.3    | 8.0    | 8.3     | 8.1     | 8.1     | 7.6     | 7.5     |
|  | BOD        | 0.1     | 0.2    | 0.2    | 0.1    | 0.2   | 0.1    | 0.10   | 0.1     | 0.1     | 0.10    | 0.10    | 0.10    |
|  | TC         | 41.0    | 39     | 33     | 26     | 27    | 33     | 25     | 26      | 31      | 27      | 27      | 80      |
| River Gaj Water Supply Scheme D/sala Town Near Dharamshala Cantt. 4469 | pH         | 8.0     | 7.65   | 7.12   | 8.1    | 7.95  | 7.89   | 7.71   | 8.01    | 8.12    | 7.68    | 7.58    | 7.73    |
|  | DO         | 11.0    | 9.3    | 9.1    | 9.1    | 9     | 9.4    | 9.1    | 9.2     | 9.2     | 9.0     | 9.3     | 9.0     |
|  | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.10    | 0.10    |
|  | TC         | 17.0    | 27     | 24     | 17     | 21    | 21     | 17     | 22      | 21      | 25      | 21      | 21      |
| River Bather Water Supply Scheme D/sala Town Near Dal Lake 4470        | pH         | 7.8     | 7.47   | 7.24   | 7.23   | 8.14  | 7.72   | 7.87   | 7.64    | 7.48    | 7.70    | 7.54    | 7.69    |
|  | DO         | 9.5     | 9.1    | 8.9    | 9.3    | 9.2   | 9.1    | 9.0    | 9.0     | 9.4     | 9.1     | 9.4     | 9.1     |
|  | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.10    | 0.10    | 0.10    |
|  | TC         | 26.0    | 26     | 26     | 11     | 26    | 17     | 22     | 17      | 20      | 21      | 22      | 13      |
| Charan Khad U/s Bhagsunag 4460   | pH         | 7.6     | 7.58   | 6.92   | 7.62   | 6.94  | 8.1    | 7.73   | 7.7     | 8.01    | 7.63    | 7.6     | 7.6     |
|  | DO         | 8.5     | 9      | 8.9    | 8.8    | 9     | 9.2    | 9.1    | 9.1     | 8.8     | 8.7     | 9       | 9.2     |
|  | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 48.0    | 27     | 25     | 13     | 21    | 22     | 17     | 21      | 25      | 21      | 31      | 17      |
| Swan River D/s of Una at Rampur Bridge (4433)                          | pH         | 8.3     | 7.87   | 7.81   | 7.82   | 8.06  | 7.8    | 7.79   | 7.84    | 7.98    | 7.61    | 7.77    | 7.45    |
|  | DO         | 7.3     | 8.3    | 8.2    | 6.3    | 8.3   | 7.9    | 7.1    | 6.8     | 7.3     | 7.2     | 7.1     | 7.5     |
|  | BOD        | 0.1     | 0.2    | 0.3    | 0.2    | 0.4   | 0.2    | 0.3    | 0.5     | 0.2     | 0.3     | 0.2     | 0.3     |
|  | TC         | 130.0   | 58     | 43     | 130    | 41    | 63     | 58     | 94      | 110     | 63      | 70      | 63      |
| Dhauli Khad at Charan Ganga Mairi (4432)                               | pH         | 7.9     | 7.98   | 7.81   | 8.01   | 7.98  | 8.1    | 7.95   | 8.09    | 7.91    | 7.62    | 7.57    | 7.84    |
|  | DO         | 7.1     | 8      | 7.8    | 6.8    | 8     | 8.1    | 7.4    | 7.4     | 7.4     | 7.4     | 7.6     | 7.8     |
|  | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.2     |
|  | TC         | 84.0    | 31     | 48     | 26     | 33    | 33     | 26     | 39      | 48      | 22      | 25      | 27      |

| Name Of Location  | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|---|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
| Jarangla Nallah D/s IPH   | pH         | 7.8     | 7.76   | 7.77   | 7.83   | 7.99  | 7.71   | 7.79   | 7.92    | 7.81    | 7.45    | 7.52    | 7.58    |
|   | DO         | 9.2     | 9.1    | 9      | 8.4    | 8.8   | 8.9    | 8.6    | 8.2     | 8.6     | 8.8     | 8.7     | 8.8     |
|   | BOD        | 0.1     | 0.2    | 0.1    | 0.2    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.2     |
|   | TC         | 46.0    | 46     | 27     | 17     | 34    | 21     | 21     | 27      | 33      | 22      | 25      | 34      |
| Jarangla Nallah U/s IPH Water Supply                                | pH         | 7.9     | 7.71   | 7.68   | 7.77   | 7.9   | 7.89   | 7.72   | 7.38    | 7.84    | 7.79    | 7.71    | 7.82    |
|   | DO         | 9.3     | 9.1    | 9      | 8.4    | 8.8   | 8.9    | 8.6    | 8.2     | 8.6     | 8.7     | 8.7     | 8.8     |
|   | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 48.0    | 31     | 24     | 14     | 39    | 17     | 17     | 22      | 20      | 21      | 22      | 22      |
| Kulin Nallah U/s IPH Water Supply Scheme                            | pH         | 7.8     | 8.14   | 7.62   | 7.74   | 7.98  | 7.92   | 7.9    | 7.95    | 7.68    | 7.98    | 7.92    | 7.89    |
|   | DO         | 9.1     | 9.2    | 8.9    | 8.3    | 8.7   | 8.9    | 8.6    | 8.5     | 8.8     | 8.7     | 8.7     | 8.8     |
|   | BOD        | 0.1     | 0.2    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.2     | 0.1     |
|   | TC         | 58.0    | 33     | 25     | 17     | 33    | 21     | 22     | 26      | 31      | 25      | 27      | 21      |
| Hathli Nallah Lift Water Supply Scheme for MC Hamirpur (4481)       | pH         | 8.4     | 8.01   | 7.74   | 8.06   | 7.61  | 7.98   | 7.77   | 8.06    | 7.81    | 8.13    | 7.97    | 7.99    |
|   | DO         | 8.9     | 9.5    | 7.9    | 8.1    | 8.5   | 8.6    | 8.2    | 7.8     | 9       | 8.4     | 8.8     | 8.3     |
|   | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 31.0    | 25     | 34     | 11     | 27    | 20     | 22     | 31      | 39      | 26      | 21      | 25      |
| Hathli Nallah Lift Water Supply Scheme for MC Hamirpur (4481)       | pH         | 8.4     | 8.01   | 7.74   | 8.06   | 7.61  | 7.98   | 7.77   | 8.06    | 7.81    | 8.13    | 7.97    | 7.99    |
|   | DO         | 8.9     | 9.5    | 7.9    | 8.1    | 8.5   | 8.6    | 8.2    | 7.8     | 9       | 8.4     | 8.8     | 8.3     |
|   | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 31.0    | 25     | 34     | 11     | 27    | 20     | 22     | 31      | 39      | 26      | 21      | 25      |
| Lift Water Supply Scheme (Panjarar) and Bhota, Ropri & Ujhan (4482) | pH         | 8.2     | 7.91   | 7.86   | 7.78   | 8.1   | 8.09   | 7.86   | 7.77    | 7.76    | 8.02    | 8.13    | 7.78    |
|   | DO         | 8.8     | 9.5    | 7.5    | 8.2    | 8.3   | 8.2    | 8.4    | 7.9     | 8.8     | 8.7     | 8.8     | 8.3     |
|   | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 17.0    | 23     | 41     | 12     | 26    | 17     | 21     | 25      | 31      | 22      | 17      | 21      |
| River Beas D/s Nadoun Town after Confluence of Maan Khad 4438       | pH         | 8.3     | 7.76   | 7.78   | 7.86   | 7.89  | 7.58   | 7.73   | 7.78    | 7.98    | 7.84    | 7.47    | 8.1     |
|   | DO         | 9.5     | 9.9    | 8.1    | 8.3    | 8.8   | 9.2    | 8.6    | 8.2     | 8.7     | 8.8     | 8.6     | 9.7     |
|   | BOD        | 0.2     | 0.4    | 0.5    | 0.3    | 0.3   | 0.2    | 0.2    | 0.3     | 0.3     | 0.2     | 0.2     | 0.2     |
|   | TC         | 43.0    | 47     | 58     | 49     | 33    | 48     | 31     | 33      | 40      | 32      | 41      | 31      |
| River Beas U/s Nadaun Town (4437)                                   | pH         | 8.4     | 8.06   | 7.86   | 7.82   | 7.68  | 7.47   | 7.41   | 7.31    | 7.84    | 7.79    | 7.31    | 8.04    |
|   | DO         | 9.3     | 9.9    | 8.3    | 8.6    | 8.6   | 9.4    | 8.8    | 8.2     | 8.9     | 9       | 8.5     | 9.8     |
|   | BOD        | 0.1     | 0.1    | 0.2    | 0.2    | 0.2   | 0.1    | 0.1    | 0.1     | 0.1     | 0.2     | 0.1     | 0.1     |

| Name Of Location   | Para meter | Apr. 20 | May 20 | Jun 20 | Jul.20 | Aug20 | Sept20 | Oct.20 | Nov. 20 | Dec. 20 | Jan. 21 | Feb. 21 | Mar. 21 |
|--|------------|---------|--------|--------|--------|-------|--------|--------|---------|---------|---------|---------|---------|
|  | TC         | 27.0    | 33     | 39     | 41     | 48    | 33     | 22     | 31      | 26      | 26      | 33      | 26      |
| River Beas<br>D/s Sujapur<br>Tihra (4436)  | pH         | 8.5     | 7.82   | 8.04   | 7.77   | 7.9   | 7.91   | 7.59   | 8.08    | 7.84    | 8.12    | 8.06    | 8.06    |
|  | DO         | 9.6     | 9.7    | 8.7    | 8.4    | 8.7   | 8.8    | 8.9    | 8.1     | 9.4     | 9.1     | 8.7     | 9.5     |
|  | BOD        | 0.1     | 0.8    | 0.3    | 0.3    | 0.3   | 0.2    | 0.4    | 0.1     | 0.1     | 0.1     | 0.1     | 0.2     |
|  | TC         | 26.0    | 79     | 63     | 48     | 47    | 39     | 32     | 33      | 27      | 31      | 41      | 39      |
| River Beas<br>U/s Sujapur<br>Tihra (4435)  | pH         | 8.3     | 8.11   | 8.17   | 7.82   | 7.38  | 7.76   | 7.48   | 7.99    | 7.12    | 8.08    | 7.99    | 8.01    |
|  | DO         | 9.6     | 9.8    | 8.6    | 8.7    | 8.5   | 7.9    | 8.7    | 8.2     | 9.1     | 9.3     | 8.7     | 9.8     |
|  | BOD        | 0.1     | 0.2    | 0.2    | 0.3    | 0.2   | 0.1    | 0.1    | 0.2     | 0.2     | 0.1     | 0.1     | 0.1     |
|  | TC         | 25.0    | 23     | 31     | 47     | 40    | 31     | 26     | 27      | 25      | 25      | 47      | 31      |
| River Neugal<br>(Water Supply<br>Scheme<br>Palampur<br>Town) Bandla,<br>Palampur<br>(4471) | pH         | 7.5     | 7.81   | 7.36   | 7.8    | 7.15  | 7.2    | 7.35   | 7.92    | 7.65    | 7.29    | 7.36    | 7.48    |
|  | DO         | 8.9     | 9.3    | 9.3    | 9.4    | 9.1   | 9.2    | 9.3    | 8.2     | 9.2     | 9.2     | 9       | 9.2     |
|  | BOD        | 0.1     | 0.1    | 0.1    | 0.1    | 0.1   | 0.1    | 0.1    | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 26.0    | 38     | 21     | 17     | 21    | 17     | 21     | 17      | 22      | 21      | 27      | 17      |

## Results of Ground Water/Well Water Sampling Points April 2020 & October- 2020

| Name of location                      | Parameters | Apr-20 | Oct-20 |
|---------------------------------------|------------|--------|--------|
| Well at Residential Area Kala Amb     | pH         | 7.25   | 7.16   |
|                                       | DO         | -      | -      |
|                                       | BOD        | 0.1    | 0.3    |
|                                       | TC         | <1.8   | <1.8   |
| Well at Residential Area Paonta Sahib | pH         | 7.31   | 7.36   |
|                                       | DO         | -      | -      |
|                                       | BOD        | 1.2    | 0.3    |
|                                       | TC         | <1.8   | <1.8   |
| Well at Industrial Area Kala Amb      | -          | 6.99   | 8.14   |
|                                       | -          | -      | -      |
|                                       | -          | 0.1    | 0.5    |
|                                       | -          | <1.8   | <1.8   |
| Well at Industrial Area Paonta Sahib  | pH         | 7.11   | 6.66   |
|                                       | BOD        | 0.1    | 0.4    |
|                                       | TC         | <1.8   | <1.8   |
| Hand Pump at Nahan                    | pH         | 7.14   | 7.28   |
|                                       | DO         | -      | -      |
|                                       | BOD        | 0.6    | 0.1    |
|                                       | TC         | <1.8   | <1.8   |
| Hand Pump at Kala Amb                 | pH         | 7.49   | 7.29   |
|                                       | DO         | -      | -      |
|                                       | BOD        | 0.1    | 0.6    |
|                                       | TC         | <1.8   | <1.8   |
| Hand Pump at Shimla Town              | pH         | 8.18   | -      |
|                                       | DO         | -      | -      |
|                                       | BOD        | -      | -      |
|                                       | TC         | -      | -      |
| Hand Pump at Rampur                   | pH         | -      | 8.06   |
|                                       | DO         | -      | -      |
|                                       | BOD        | -      | 0.5    |
|                                       | TC         | -      | -      |
| Well at Barotiwala                    | pH         | -      | 7.02   |
|                                       | DO         | -      | -      |

| Name of location   | Parameters | Apr-20 | Oct-20 |
|--|------------|--------|--------|
|  | BOD        | -      | 0.10   |
|  | TC         | -      | <1.1   |
| Well Baddi I.A.  | pH         | 7.62   | 8.14   |
|  | DO         | -      | -      |
|  | BOD        | 0.1    | 0.1    |
|  | TC         | <1.1   | <1.8   |
|  |            |        |        |
| Well Barotiwala I.A.                                       | pH         | 7.38   | -      |
|  | DO         | -      | -      |
|  | BOD        | 0.1    | -      |
|  | TC         | <1.1   | -      |
| Hand Pump Parwanoo I. A.                                   | pH         | 7.90   | -      |
|  | DO         | -      | -      |
|  | BOD        | 0.10   | -      |
|  | TC         | <1.1   | -      |
| In lifting WSS Shamshi near sabzi Mandi Bhunter            | pH         | 7.08   | 7.38   |
|  | DO         | 9.8    | -      |
|  | BOD        | 0.1    | 0.1    |
|  | TC         | 94     | 94     |
| Lift water supply scheme near Hotal Dhouladhal Dari (4467) | pH         | 7.8    | 7.46   |
|  | DO         | -      | 9.3    |
|  | BOD        | 0.1    | 0.1    |
|  | TC         | 17.0   | 21     |
| Water supply scheme Near Mela Ground Dari (4468)           | pH         | 7.9    | 6.91   |
|  | DO         | -      | 9.4    |
|  | BOD        | 0.1    | 0.1    |
|  | TC         | 13.0   | 17     |
| Water Supply Scheme Nagrota Bagwan (4472)                  | pH         | 7.8    | 6.79   |
|  | DO         | -      | -      |
|  | BOD        | 0.1    | 0.1    |



## Results of State Water Quality Monitoring Points from April 2020 to March 2021

| Name of location   | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|--|------------|---------|---------|---------|---------|
| D/S ACC Bar., River Satluj   | pH         | 7.98    | 8.02    | 7.67    | 7.98    |
|  | DO         | 8.9     | 8.8     | 7.8     | 7.9     |
|  | BOD        | 0.1     | 0.1     | 0.2     | 0.2     |
|  | TC         | 140     | 280     | 350     | 350     |
| R. Suketi U/s of conf. of dregger outfall of SNR Balancing Reservoir | pH         | 8.0     | 8.06    | 7.56    | 8.08    |
|  | DO         | 8.9     | 9.1     | 7.8     | 11.0    |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.2     |
|  | TC         | 130     | 280     | 280     | 280     |
| R. Suketi at Dadour Bridge   | pH         | 8.91    | 7.64    | 8.02    | 8.31    |
|  | DO         | 8.7     | 8.7     | 8.6     | 11.5    |
|  | BOD        | 0.2     | 0.3     | 0.4     | 0.2     |
|  | TC         | 120     | 350     | 920     | 920     |
| U/s Mandi Suketi Khad  | pH         | 8.38    | 7.40    | 8.12    | 8.12    |
|  | DO         | 9.1     | 8.4     | 8.9     | 10.8    |
|  | BOD        | 0.2     | 0.2     | 0.1     | 0.2     |
|  | TC         | 120     | 1600    | 430     | 540     |
| U/s Darang, Salt Mine  | pH         | 8.10    | 8.40    | 8.29    | 8.11    |
|  | DO         | 8.9     | 8.6     | 7.6     | 10.9    |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 79      | 5       | 25      | 63      |
| D/s Darang, Salt Mine  | pH         | 8.29    | 8.18    | 8.07    | 8.38    |
|  | DO         | 8.5     | 8.7     | 7.7     | 11.0    |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 84      | 13      | 43      | 84      |
| R. Beas U/s of conf. of envisaged TRT of Uhal-III                    | pH         | 7.52    | 8.11    | 7.94    | 7.86    |
|  | DO         | 9.2     | 9.1     | 8.2     | 10.6    |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 94      | 130     | 120     | 140     |
|  | pH         | 7.55    | 7.45    | 8.13    | 7.92    |

| Name of location                                     | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|--|------------|---------|---------|---------|---------|
| R. Beas D/s of conf. of envisaged TRT of Uhal-III    | DO         | 9.7     | 9.3     | 8.0     | 10.9    |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 110     | 170     | 150     | 170     |
| R. Beas D/s of conf. of TRT of Largi HEP power House | pH         | 7.38    | 8.35    | 7.56    | 7.51    |
|  | DO         | 9.6     | 8.9     | 8.5     | 8.8     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 114     | 220     | 210     | 170     |
| R.Beas, U/s Fermenta Biodil                          | pH         | 7.52    | 7.14    | 7.60    | 7.81    |
|  | DO         | 9.6     | 8.8     | 8.7     | 8.5     |
|  | BOD        | 0.2     | 0.2     | 0.1     | 0.1     |
|  | TC         | 170     | 240     | 240     | 220     |
| R.Beas, D/s Fermenta Biodil                          | pH         | 7.55    | 7.07    | 7.53    | 7.70    |
|  | DO         | 9.6     | 8.8     | 8.4     | 8.5     |
|  | BOD        | 0.3     | 0.1     | 0.2     | 0.2     |
|  | TC         | 220     | 350     | 350     | 350     |
| R. Parvati U/s of Damsite of Parvati-II at Pulga     | pH         | 7.28    | 6.81    | 7.51    | 8.36    |
|  | DO         | 10.0    | 8.6     | 8.9     | 9.9     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 58      | 94      | 84      | 120     |
| R. Parvati D/s of Dam site of Parvati-II at Pulga    | pH         | 7.23    | 7.02    | 6.73    | 8.21    |
|  | DO         | 9.8     | 8.4     | 8.9     | 9.8     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 63      | 110     | 94      | 130     |
| River Beas, U/s WPF Manali                           | pH         | 7.43    | 8.14    | 7.36    | 7.58    |
|  | DO         | 10.3    | 8.9     | 8.2     | 9.7     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 220     | 150     | 120     | 240     |
| River Beas, D/s WPF Manali                           | pH         | 6.55    | 7.46    | -       | -       |
|  | DO         | 10.4    | 9.0     | -       | -       |
|  | BOD        | 0.2     | 0.2     | -       | -       |

| Name of location                             | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|--|------------|---------|---------|---------|---------|
|  | TC         | 170     | 170     | -       | -       |
| River Beas, D/s of conf. with Allaign Nalla  | pH         | 7.4     | 7.40    | 7.45    | 7.52    |
|  | DO         | 9.8     | 9.0     | 8.7     | 9.9     |
|  | BOD        | 0.1     | 0.2     | 0.1     | 0.1     |
|  | TC         | 120     | 220     | 170     | 150     |
| Allaign Nalla before conf. with R. Beas      | pH         | 7.36    | 7.42    | 7.18    | 7.40    |
|  | DO         | 9.3     | 9.1     | 9.2     | 9.8     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 94      | 170     | 140     | 110     |
| River Beas, D/s of conf. with Dohangan Nalla | pH         | 7.53    | 8.14    | 7.64    | 7.46    |
|  | DO         | 10.1    | 8.9     | 8.6     | 9.3     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 140     | 220     | 150     | 150     |
| Dohangan Nalla before confluence to R. Beas  | pH         | 7.22    | 7.47    | 7.34    | 7.41    |
|  | DO         | 9.6     | 9.1     | 8.9     | 9.5     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 110     | 150     | 120     | 130     |
| River Beas, U/s of conf. of R. Parvati       | pH         | 7.62    | 7.36    | 7.80    | 7.72    |
|  | DO         | 9.6     | 8.7     | 8.4     | 8.9     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 150     | 170     | 170     | 170     |
| River Beas, D/s of conf. of R. Parvati       | pH         | 7.36    | 7.41    | 6.76    | 7.86    |
|  | DO         | 9.6     | 8.8     | 8.5     | 8.3     |
|  | BOD        | 0.1     | 0.1     | 0.2     | 0.1     |
|  | TC         | 170     | 240     | 210     | 240     |
| River Beas, U/s WPF Kullu                    | pH         | 7.50    | 7.32    | 7.62    | 7.54    |
|  | DO         | 9.5     | 8.9     | 8.6     | 8.9     |
|  | BOD        | 0.2     | 0.2     | 0.1     | 0.2     |
|  | TC         | 220     | 430     | 280     | 280     |
| River Beas, D/s WPF Kullu                    | pH         | 7.71    | 7.36    | -       | -       |

| Name of location                                       | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|--|------------|---------|---------|---------|---------|
|  | DO         | 9.4     | 8.9     | -       | -       |
|  | BOD        | 0.2     | 0.3     | -       | -       |
|  | TC         | 130     | 920     | -       | -       |
| R. Sainj U/s Envisaged Power House Site of Parvati-II  | pH         | 7.66    | 7.71    | 7.74    | 7.60    |
|  | DO         | 9.9     | 8.8     | 8.1     | 8.7     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 120     | 210     | 150     | 120     |
| R. Sainj D/s Envisaged Power House Site of Parvati-II  | pH         | 7.64    | 8.20    | 7.79    | 7.74    |
|  | DO         | 9.5     | 8.8     | 8.2     | 8.7     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 150     | 240     | 220     | 140     |
| R. Sainj U/s Envisaged Power House Site of Parvati-III | pH         | 7.71    | 8.01    | 8.11    | 7.98    |
|  | DO         | 10.0    | 8.8     | 8.5     | 8.6     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 130     | 170     | 170     | 150     |
| R. Sainj D/s Envisaged Power House Site of Parvati-III | pH         | 7.78    | 7.78    | 7.76    | 7.66    |
|  | DO         | 9.7     | 8.8     | 8.3     | 8.6     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 170     | 220     | 210     | 170     |
| River Yamuna U/S of landfill site Paonta Sahib         | pH         | 7.41    | 7.67    | 7.72    | 7.68    |
|  | DO         | 9.0     | 7.0     | 7.2     | 7.7     |
|  | BOD        | 0.4     | 0.5     | 0.5     | 1.8     |
|  | TC         | 34.0    | 39.0    | 63.0    | 49.0    |
| River Yamuna D/S of landfill site Paonta Sahib         | pH         | 7.23    | 7.59    | 7.69    | 7.48    |
|  | DO         | 8.8     | 7.1     | 7.1     | 7.7     |
|  | BOD        | 0.6     | 0.6     | 0.7     | 1.0     |
|  | TC         | 39.0    | 41.0    | 70.0    | 63.0    |
| River Markanda U/S of Markanda Bridge Kala Amb         | pH         | 7.44    | 7.17    | 7.81    | 6.94    |
|  | DO         | 8.8     | 8.8     | 8.3     | 8.3     |
|  | BOD        | 0.6     | 0.8     | 1.0     | 1.8     |

| Name of location                        | Parameters | Apr.-20             | July-20 | Oct.-20 | Jan.-21  |
|---|------------|---------------------|---------|---------|----------|
|   | TC         | 39.0                | 47.0    | 140.0   | 130.0    |
| River Markanda U/S of Jattanwala Nallah | pH         | 7.28                | 7.33    | 7.75    | 7.04     |
|   | DO         | 7.5                 | 8.8     | 8.3     | 8.2      |
|   | BOD        | 0.9                 | 0.9     | 1.2     | 2.2      |
|   | TC         | 43.0                | 49.0    | 210.0   | 140.0    |
| Jattanwala Nallah                       | pH         | 6.84                | 7.09    | 7.06    | 7.02     |
|   | DO         | 0.5                 | 0.5     | 0.4     | 1.0      |
|   | BOD        | 50.0                | 8.5     | 24.0    | 26.0     |
|   | TC         | 92000.0             | 32000.0 | 54000.0 | 108000.0 |
| River Markanda D/S Jattanwala Nallah    | pH         | Source Dried        |         | 7.36    | 6.96     |
|   | DO         | Sample not received |         | 4.5     | 5.1      |
|   | BOD        |                     |         | 9.0     | 18.0     |
|   | TC         |                     |         | 11000   | 54000    |
| River Sirsa D/S Sitomajri Nallah        | pH         | 7.76                | 7.95    | 7.27    | 7.53     |
|   | DO         | 8                   | 5.6     | 6       | 6.3      |
|   | BOD        | 0.8                 | 1.8     | 2       | 2.1      |
|   | TC         | 46                  | 33      | 70      | 70       |
| River Bald U/s Land fill site Baddi     | pH         | 7.26                | 6.4     | 7.32    | 7.02     |
|   | DO         | 3.5                 | 1.5     | 4.6     | 1.5      |
|   | BOD        | 24.0                | 10.0    | 1.2     | 30       |
|   | TC         | 210                 | 220     | 33      | 110      |
| Sandholi Nallaha                        | pH         | 7.67                | 7.14    | 6.39    | 7.00     |
|   | DO         | 2                   | 0       | 1       | 1.0      |
|   | BOD        | 220                 | 112     | 20      | 110      |
|   | TC         | >1600               | >1600   | >1600   | >1600    |
| River Sirsa D/s Sandholi Nallaha        | pH         | 7.29                | 7.79    | 7.44    | 7.6      |
|   | DO         | 4.0                 | 6.7     | 5.8     | 5.3      |
|   | BOD        | 2.8                 | 1.8     | 2.8     | 2.2      |
|   | TC         | 70                  | 70      | 140     | 84       |
| Sandholi Nallaha                        | pH         | 7.47                | 7.07    | 8.09    | 7.15     |

| Name of location                         | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|--|------------|---------|---------|---------|---------|
|  | DO         | 1.2     | 4.2     | 5.2     | 4.8     |
|  | BOD        | 20      | 28      | 28      | 240     |
|  | TC         | >1600   | >1600   | >1600   | >1600   |
| River Sirsa D/s Sandholi Nallah          | pH         | 7.63    | 8.2     | 7.04    | 7.7     |
|  | DO         | 3.0     | 4.6     | 6.0     | 8.2     |
|  | BOD        | 14      | 20      | 20      | 40      |
|  | TC         | >1600   | >1600   | >1600   | 170     |
| River Sirsa U/s H. Board Nallah          | pH         | 7.78    | 7.44    | 7.37    | 7.7     |
|  | DO         | 7.0     | 5       | 5.2     | 4.5     |
|  | BOD        | 0.6     | 1.2     | 1.8     | 1.8     |
|  | TC         | 49      | 26      | 46      | 47      |
| River Sirsa D/s H. Board Nallah          | pH         | 7.54    | 6.96    | 6.83    | 7.65    |
|  | DO         | 3.9     | 3.8     | 5.8     | 7.0     |
|  | BOD        | 12.0    | 16.0    | 16.0    | 21.0    |
|  | TC         | 920     | 430.0   | 920     | 220     |
| Housing Board Nallah                     | pH         | 6.85    | 7.38    | 7.32    | 7.3     |
|  | DO         | 1.7     | 2       | 1.5     | 1.5     |
|  | BOD        | 44      | 18      | 16      | 42      |
|  | TC         | 350     | >1600   | >1600   | 140     |
| River Ratta Before confl. To River Sirsa | pH         | 7.04    | 7.54    | 7.35    | 7.59    |
|  | DO         | 4.6     | 6.1     | 6.2     | 7.9     |
|  | BOD        | 3.2     | 6       | 6.0     | 2.0     |
|  | TC         | 38      | 41      | 26      | 32      |
| River Sirsa D/s River Ratta              | pH         | 7.28    | 7.72    | 7.72    | 7.63    |
|  | DO         | 5.2     | 3.1     | 6.4     | 8.5     |
|  | BOD        | 10.0    | 3.8     | 3.8     | 8.0     |
|  | TC         | >1600   | 48      | 26      | 120     |
| U/s TSDF site at Majra (Well)            | pH         | 6.91    | 7.75    | 7.18    | -       |
|  | DO         | 4.0     | -       | -       | -       |
|  | BOD        | 0.8     | 0.1     | 0.2     | -       |

| Name of location              | Parameters | Apr.-20      | July-20             | Oct.-20 | Jan.-21 |
|-------------------------------|------------|--------------|---------------------|---------|---------|
|                               | TC         | 2            | <1.1                | 26      | -       |
| D/s TSDf site at Majra (Well) | pH         | 7.57         | 7.3                 | 7.34    | -       |
|                               | DO         | 6.0          | -                   | -       | -       |
|                               | BOD        | 0.2          | 0.1                 | 0.8     | -       |
|                               | TC         | 1.8          | <1.1                | 39      | -       |
| Manpura Nallah                | pH         | Source Dried | 7.28                | 7.75    | -       |
|                               | DO         |              | 3.4                 | 5.0     | -       |
|                               | BOD        |              | 2.0                 | 2.1     | -       |
|                               | TC         |              | 32.0                | 220     | -       |
| River Sirsa D/sManpura Nallah | pH         | Source Dried | 8.08                | 8.23    | 7.83    |
|                               | DO         |              | 4                   | 5.2     | 6.6     |
|                               | BOD        |              | 1.6                 | 2.4     | 2.0     |
|                               | TC         |              | 40                  | 21      | 94      |
| River Sirsa U/sManpura Nallah | pH         | 7.45         | Sample not Received | 8.24    | 8.16    |
|                               | DO         | 7.3          |                     | 7       | 6.8     |
|                               | BOD        | 1.0          |                     | 0.9     | 1.8     |
|                               | TC         | 32           |                     | 33      | 84      |
| River Sirsa U/S Khera Nallah  | pH         | 7.3          | 8.17                | 7.81    | 7.51    |
|                               | DO         | 6.5          | 4.2                 | 6       | 6.9     |
|                               | BOD        | 1.2          | 2.0                 | 0.8     | 1.8     |
|                               | TC         | 38           | 27.0                | 39      | 70.0    |
| River Sirsa D/S Khera Nallah  | pH         | 8.01         | 7.57                | 7.72    | 8.01    |
|                               | DO         | 4.0          | 6.5                 | 7.0     | 4.0     |
|                               | BOD        | 2.8          | 2.2                 | 2.4     | 2.8     |
|                               | TC         | 58           | 84                  | 140.0   | 58      |
| Khera Nallaha                 | pH         | Source Dried | 7.68                | 8.03    | -       |
|                               | DO         |              | 7.5                 | 7.5     | -       |
|                               | BOD        |              | 0.8                 | 0.8     | -       |
|                               | TC         |              | 24                  | 240     | -       |
|                               | pH         |              | 7.4                 | -       | -       |

| Name of location                                       | Parameters | Apr.-20      | July-20 | Oct.-20 | Jan.-21 |
|--|------------|--------------|---------|---------|---------|
| Well of Sh. Gurubaskh Vill. Majra                      | DO         | Source Dried | -       | -       | -       |
|  | BOD        |              | 0.1     | -       | -       |
|  | TC         |              | <1.1    | -       | -       |
| Well at house of Sh. Rana                              | pH         | 6.91         | 7.57    | 7.14    | -       |
|  | DO         | -            | -       | -       | -       |
|  | BOD        | 0.1          | 0.1     | 0.1     | -       |
|  | TC         | <1.1         | <1.1    | <1.1    | -       |
| Well at house of Sh. Gurudyal                          | pH         | 7.14         | 7.3     | 6.88    | -       |
|  | DO         | -            | -       | -       | -       |
|  | BOD        | 0.1          | 0.1     | 0.1     | -       |
|  | TC         | <1.1         | <1.1    | <1.1    | -       |
| Handpump at house of sh. Balvinder, Vill. Majra        | pH         | 7.26         | 8.14    | 7.51    | -       |
|  | DO         | -            | -       | -       | -       |
|  | BOD        | 0.1          | 0.1     | 0.1     | -       |
|  | TC         | <1.1         | <1.1    | <1.1    | -       |
| Kaushlya River U/s Parwanoo Town                       | pH         | 7.64         | 8.39    | 8.66    | 8.67    |
|  | DO         | 8.2          | 7.8     | 8.2     | 8.3     |
|  | BOD        | 0.1          | 0.4     | 0.2     | 0.8     |
|  | TC         | 14           | 14      | 39      | 38      |
| Kaushlya River D/s Intake Channel of WSS Parwanoo Town | pH         | 7.77         | 8.41    | 8.65    | 8.74    |
|  | DO         | 8.3          | 7.8     | 8.1     | 8.2     |
|  | BOD        | 0.4          | 2       | 0.6     | 1.8     |
|  | TC         | 12           | 25      | 150     | 63      |
| Masulkhana Nallah U/S Morepen Lab                      | pH         | Source Dried | 7.91    | 7.56    | 8.93    |
|  | DO         |              | 6.4     | 7.4     | 7.8     |
|  | BOD        |              | 1.2     | 0.2     | 0.8     |
|  | TC         |              | 26      | 33      | 21.0    |
| Masulkhana Nallah D/S Morepen Lab                      | pH         | Source Dried | 7.87    | 7.58    | 8.81    |
|  | DO         |              | 6.4     | 7.5     | 7.8     |
|  | BOD        |              | 1.4     | 2.2     | 1.4     |



| Name of location  | Parameters | Apr.-20      | July-20 | Oct.-20 | Jan.-21      |
|---|------------|--------------|---------|---------|--------------|
|   | TC         |              | 33      | 170     | 39.0         |
| Handpump at Sec 1 Near Shivalik Hotel                     | pH         | 7.9          | 9.56    | 9.18    | 9.0          |
|   | DO         | -            | -       | -       | -            |
|   | BOD        | 0.1          | 0.2     | 0.1     | 0.1          |
|   | TC         | <1.1         | <1.1    | <1.1    | <1.8         |
| Nallah Near Ambota Shivloti Temple                        | pH         | -            | 7.99    | 7.64    | 8.5          |
|   | DO         | -            | 6.8     | 7.9     | 7.4          |
|   | BOD        | -            | 0.4     | 0.1     | 0.1          |
|   | TC         | -            | 1.8     | <1.1    | <1.8         |
| Samtel nallah before conf with sukhna nallah              | pH         | Source Dried | 6.65    | 7.91    | 7.22         |
|   | DO         |              | 4.2     | 5.3     | 6.2          |
|   | BOD        |              | 2.2     | 1.8     | 2.0          |
|   | TC         |              | 38      | 140     | 47.0         |
| Sec-4 nallah before confluing with sukhna nallah at sec 5 | pH         | Source Dried | 7.54    | 7.99    | Source Dried |
|   | DO         |              | 4.2     | 5.7     |              |
|   | BOD        |              | 2.4     | 2       |              |
|   | TC         |              | 39      | 130     |              |
| U/S SWM site at Sec-5 Parwanoo                            | pH         | Source Dried | 7.54    | 7.85    | 7.86         |
|   | DO         |              | 4.8     | 5.3     | 5.3          |
|   | BOD        |              | 1.8     | 1.4     | 0.4          |
|   | TC         |              | 26      | 58      | 14.0         |
| D/S SWM site at Sec-5 Parwanoo                            | pH         | Source Dried | 7.05    | 7.95    | 8.16         |
|   | DO         |              | 4.8     | 5.4     | 5.5          |
|   | BOD        |              | 1.2     | 1.8     | 1.2          |
|   | TC         |              | 31      | 94      | 22.0         |
| Borewell at HPMC  | pH         | -            | 7.34    | 7.00    | 8.6          |
|   | DO         | -            | -       | -       | -            |
|   | BOD        | -            | 0.8     | 0.1     | 0.1          |
|   | TC         | -            | <1.1    | <1.1    | <1.8         |
|   | pH         | -            | -       | -       | 6.96         |

| Name of location                                 | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|--|------------|---------|---------|---------|---------|
| Ashwani River D/S Vill Sadhupul                  | DO         | -       | -       | -       | 6.5     |
|  | BOD        | -       | -       | -       | 0.2     |
|  | TC         | -       | -       | -       | 17      |
| R Satluj U/s conf. with R. Tidong                | pH         | 7.58    | 8.51    | 7.69    | 7.46    |
|  | DO         | -       | 9.4     | 9.8     | 8.6     |
|  | BOD        | 3.6     | 2.8     | 1.0     | 1.9     |
|  | TC         | -       | 9.2     | 170     | 210     |
| River Tidong before Confluence with River Satluj | pH         | -       | 8.27    | 8.36    | 7.93    |
|  | DO         | -       | 8.5     | 10.1    | 9.8     |
|  | BOD        | -       | 0.3     | 0.4     | 0.8     |
|  | TC         | -       | 350     | 79      | 540     |
| River Satluj D/s Confluence With River Tidong    | pH         | 7.65    | 8.52    | 7.77    | 7.35    |
|  | DO         | -       | 9.4     | 9.8     | 8.7     |
|  | BOD        | 4.0     | 0.9     | 1.2     | 1.0     |
|  | TC         | -       | 12      | 210     | 170     |
| River Satluj U/s Confluence With Ganvi Khad      | pH         | 7.57    | 8.54    | 7.71    | 6.71    |
|  | DO         | -       | 9.2     | 9.6     | 8.4     |
|  | BOD        | 2.4     | 1.0     | 1.1     | 0.8     |
|  | TC         | -       | 31      | 220     | 170     |
| Ganvi Khad Before confluence with River Satluj   | pH         | -       | 8.19    | 8.39    | 8.32    |
|  | DO         | -       | 8.7     | 9.4     | 9.4     |
|  | BOD        | -       | 0.3     | 0.4     | 0.9     |
|  | TC         | -       | 140     | 70      | 280     |
| River Satluj D/s Confluence With Ganvi Khad      | pH         | 7.41    | 8.50    | 7.62    | 7.06    |
|  | DO         | -       | 9.2     | 9.5     | 8.7     |
|  | BOD        | 3.2     | 1.4     | 0.7     | 0.6     |
|  | TC         | -       | 38      | 430     | 350     |
| River Satluj U/s Confluence With Sorang Khad     | pH         | -       | 8.31    | 8.25    | 8.45    |
|  | DO         | -       | 8.6     | 8.9     | 8.7     |
|  | BOD        | -       | 0.8     | 0.4     | 0.6     |

| Name of location                               | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|--|------------|---------|---------|---------|---------|
|  | TC         | -       | 130     | 110     | 350     |
| River Sorang Before confluence to River Satluj | pH         | -       | 8.05    | 8.19    | 8.12    |
|  | DO         | -       | 8.7     | 9.4     | 9.4     |
|  | BOD        | -       | 0.4     | 0.3     | 0.4     |
|  | TC         | -       | 140     | 94      | 350     |
| River Satluj D/s Confluence With Sorang Khad   | pH         | -       | 8.29    | 8.59    | 8.38    |
|  | DO         | -       | 8.5     | 9.0     | 8.8     |
|  | BOD        | -       | 0.3     | 1.7     | 0.8     |
|  | TC         | -       | 170     | 140     | 540     |
| R Satluj U/s TRT of NJPC                       | pH         | -       | 8.24    | 8.28    | 8.34    |
|  | DO         | -       | 8.5     | 8.4     | 8.9     |
|  | BOD        | -       | 0.2     | 0.5     | 0.8     |
|  | TC         | -       | 170     | 540     | 540     |
| R Satluj D/s TRT of NJPC                       | pH         | -       | 8.34    | 8.19    | 8.01    |
|  | DO         | -       | 8.4     | 8.3     | 8.8     |
|  | BOD        | -       | 0.2     | 0.4     | 0.7     |
|  | TC         | -       | 220     | 920     | 350     |
| River Satluj D/s NJPC Dam at Nathpa            | pH         | -       | 8.20    | 8.16    | 8.18    |
|  | DO         | -       | 8.5     | 8.8     | 8.9     |
|  | BOD        | -       | 0.3     | 0.4     | 0.5     |
|  | TC         | -       | 170     | 220     | 350     |
| Baspa River at Baspa Project                   | pH         | -       | 7.88    | 8.17    | 8.15    |
|  | DO         | -       | 9.3     | 9.7     | 9.4     |
|  | BOD        | -       | 0.2     | 0.4     | 0.5     |
|  | TC         | -       | 140     | 170     | 240     |
| River Baspa D/s Reservoir at Kuppa             | pH         | -       | 8.11    | 8.19    | 7.93    |
|  | DO         | -       | 9.3     | 9.6     | 9.3     |
|  | BOD        | -       | 0.3     | 0.4     | 0.7     |
|  | TC         | -       | 170     | 130     | 350     |
|  | pH         | -       | 8.35    | 8.37    | 7.99    |

| Name of location  | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|---|------------|---------|---------|---------|---------|
| River Satluj D/s Dutt nagar<br>D/s envisaged conf. of TRT of RHEP | DO         | -       | 8.7     | 8.2     | 8.7     |
|   | BOD        | -       | 0.4     | 0.4     | 0.9     |
|   | TC         | -       | 540     | 920     | 1600    |
| River Pabbar D/s Chirgaon   | pH         | 7.74    | -       | -       | 8.32    |
|   | DO         | 9.2     | -       | -       | 7.9     |
|   | BOD        | 0.5     | -       | -       | 0.4     |
|   | TC         | 49      | -       | -       | 46      |
| River Pabbar D/s Rohroo   | pH         | 7.79    | 7.95    | 7.42    | 8.34    |
|   | DO         | 9.0     | 7.8     | 7.9     | 7.8     |
|   | BOD        | 1.0     | 0.3     | 0.2     | 0.5     |
|   | TC         | 220     | 130     | 220     | 350     |
| River Pabbar D/s Hatkoti  | pH         | 7.93    | 7.71    | 7.61    | 8.13    |
|   | DO         | 8.8     | 8.0     | 7.9     | 7.9     |
|   | BOD        | 1.1     | 0.3     | 0.6     | 0.8     |
|   | TC         | 150     | 170     | 240     | 920     |
| Lift Nala D/s Hotel<br>Combermere                                 | pH         | 7.64    | 7.24    | -       | 7.52    |
|   | DO         | 8.0     | 7.8     | -       | -       |
|   | BOD        | 8.4     | 20.0    | -       | 34.0    |
|   | TC         | >1600   | >1600   | -       | >1600   |
| Lift Nala U/s Bridge at By pass<br>near MSW Processing site       | pH         | 7.53    | 7.41    | -       | -       |
|   | DO         | 8.0     | 7.7     | -       | -       |
|   | BOD        | 12.0    | 7.6     | -       | -       |
|   | TC         | >1600   | >1600   | -       | -       |
| U/s of weir site of WTP near<br>Ashwani Khud.                     | pH         | 8.01    | 7.58    | 7.54    | 6.51    |
|   | DO         | 8.1     | 6.3     | 7       | 8.2     |
|   | BOD        | 2       | 1.6     | 2.8     | 8.0     |
|   | TC         | 40      | 32      | 350     | 170     |
| D/s Ashwani Khad after<br>confulence of lift nala                 | pH         | 8.12    | 7.93    | 7.75    | 6.9     |
|   | DO         | 7.4     | 5.2     | 6.8     | 7.7     |
|   | BOD        | 2.8     | 2.0     | 1.9     | 12.0    |

| Name of location                         | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|--|------------|---------|---------|---------|---------|
|  | TC         | 46      | 39      | 280     | 210     |
| Ground water at Totu                     | pH         | 7.73    | 7.49    | -       | -       |
|  | DO         | -       | -       | -       | -       |
|  | BOD        | 0.4     | 0.1     | -       | -       |
|  | TC         | -       | -       | -       | -       |
| Hand Pump Recong Peo                     | pH         | -       | -       | -       | 7.56    |
|  | DO         | -       | -       | -       | 8.7     |
|  | BOD        | -       | -       | -       | 0.2     |
|  | TC         | -       | -       | -       | <1.8    |
| River Ravi U/S Land Fill Site Chamba     | pH         | 7.8     | 7.76    | 7.4     | 7.72    |
|  | DO         | 9.6     | 8.10    | 8.2     | 8.6     |
|  | BOD        | 0.1     | 0.10    | 0.1     | 0.1     |
|  | TC         | 33.0    | 21.00   | 22      | 21      |
| River Ravi D/S Land Fill Site Chamba     | pH         | 7.8     | 7.8     | 7.48    | 7.78    |
|  | DO         | 9.5     | 8       | 8       | 8.5     |
|  | BOD        | 0.1     | 0.1     | 0.2     | 0.2     |
|  | TC         | 39.0    | 32      | 33      | 22      |
| River Ravi before conf. with River Baira | pH         | 7.8     | 7.66    | 7.78    | 7.81    |
|  | DO         | 9.5     | 8.1     | 8       | 8.3     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 63.0    | 21      | 21      | 26      |
| Bhiral Khad D/S STP Palampur             | pH         | 7.9     | 7.59    | 7.34    | 7.56    |
|  | DO         | 8.3     | 8       | 7.9     | 7.5     |
|  | BOD        | 0.2     | 0.2     | 0.2     | 0.2     |
|  | TC         | 63.0    | 34      | 38      | 41      |
| Bhiral Khad U/S STP Palampur             | pH         | 7.1     | 7.56    | 7.3     | 7.38    |
|  | DO         | 8.0     | 8.5     | 8.3     | 8.1     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 79.0    | 31      | 33      | 34      |
|  | pH         | 7.8     | 7.7     | 7.7     | 7.86    |

| Name of location                         | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|--|------------|---------|---------|---------|---------|
| River Ravi after conf. with Baira River  | DO         | 9.1     | 8.1     | 8.2     | 8.4     |
|  | BOD        | 0.1     | 0.2     | 0.1     | 0.1     |
|  | TC         | 84.0    | 26      | 25      | 31      |
| River Ravi D/S Dam of Chamera-I HEP      | pH         | 7.8     | 7.79    | 7.79    | 7.8     |
|  | DO         | 9.0     | 8.3     | 8.2     | 8.3     |
|  | BOD        | 0.1     | 0.2     | 0.1     | 0.1     |
|  | TC         | 84.0    | 31      | 33      | 31      |
| River Ravi D/S TRT Power House -I HEP    | pH         | 7.9     | 7.8     | 7.76    | 7.84    |
|  | DO         | 9.2     | 8.3     | 8.2     | 8.2     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.2     |
|  | TC         | 79.0    | 33      | 39      | 40      |
| Chouch Khad D/s Ind. Area Bain Attarian  | pH         | 7.8     | 7.89    | 7.81    | 7.8     |
|  | DO         | 8.5     | 8.2     | 7.2     | 8       |
|  | BOD        | 0.3     | 0.4     | 0.3     | 0.4     |
|  | TC         | 58.0    | 32      | 48      | 58      |
| Chouch Khad U/s Ind. Area Bain Attarian  | pH         | 7.7     | 8.12    | 7.74    | 7.77    |
|  | DO         | 8.9     | 8.8     | 7.5     | 8.3     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.2     |
|  | TC         | 47.0    | 21      | 41      | 47      |
| River Satluj U/S Bhakhra                 | pH         | 7.6     | 7.85    | 7.8     | 7.32    |
|  | DO         | 10.2    | 7.9     | 9.8     | 9.1     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 49.0    | 47      | 41      | 47      |
| River Swan U/S MSW landfill Santokhgarh  | pH         | 8.0     | 8.01    | 7.91    | 7.77    |
|  | DO         | 8.3     | 6.50    | 7.7     | 6.9     |
|  | BOD        | 0.1     | 0.10    | 0.2     | 0.2     |
|  | TC         | 94.0    | 94.00   | 48      | 47      |
| River Swan D/S MSW land fill Santokhgarh | pH         | 8.3     | 8.09    | 7.93    | 7.83    |
|  | DO         | 8.5     | 6.3     | 7.5     | 6.7     |
|  | BOD        | 0.2     | 0.1     | 0.3     | 0.3     |

| Name of location                         | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|--|------------|---------|---------|---------|---------|
|  | TC         | 110.0   | 140     | 63      | 70      |
| River Baira U/S of Dam on Baira siul HEP | pH         | 7.8     | 7.72    | 7.65    | 7.55    |
|  | DO         | 9.1     | 8.2     | 8.3     | 8.5     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 70.0    | 33      | 22      | 21      |
| River Baira D/S Dam on Bairasiul HEP     | pH         | 7.7     | 7.79    | 7.72    | 7.58    |
|  | DO         | 9.1     | 8.1     | 8.3     | 8.6     |
|  | BOD        | 0.2     | 0.2     | 0.1     | 0.1     |
|  | TC         | 79.0    | 39      | 25      | 31      |
| River Siul U/S Dam of Siul for BSHEP     | pH         | 7.7     | 7.54    | 7.72    | 7.65    |
|  | DO         | 9.3     | 8.2     | 8.2     | 8.5     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 70.0    | 17      | 17      | 21      |
| River Siul D/S Dam of Siul for BSHEP     | pH         | 7.8     | 7.7     | 7.61    | 7.69    |
|  | DO         | 9.3     | 8.2     | 8.2     | 8.5     |
|  | BOD        | 0.1     | 0.2     | 0.1     | 0.1     |
|  | TC         | 79.0    | 23      | 22      | 25      |
| Baled Khad U/S of Dam on Baled for BSHEP | pH         | 7.8     | 7.73    | 7.7     | 7.68    |
|  | DO         | 8.8     | 8.5     | 8.5     | 8.8     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 70.0    | 21      | 21      | 17      |
| Bhaled Khad D/S Dam on Baled for BSHEP   | pH         | 7.8     | 7.69    | 7.79    | 7.64    |
|  | DO         | 9.5     | 8.5     | 8.5     | 8.7     |
|  | BOD        | 0.1     | 0.2     | 0.1     | 0.1     |
|  | TC         | 63.0    | 26      | 26      | 27      |
| River Baira before conf. of TRT of BSHEP | pH         | 7.7     | 7.75    | 7.76    | 7.53    |
|  | DO         | 9.2     | 8.1     | 8.2     | 8.5     |
|  | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|  | TC         | 94.0    | 22      | 21      | 27      |
|  | pH         | 7.5     | 7.77    | 7.69    | 7.72    |

| Name of location                          | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|---|------------|---------|---------|---------|---------|
| River Baira after conf. of TRT of BSHEP   | DO         | 9.4     | 8.1     | 8.1     | 8.6     |
|   | BOD        | 0.1     | 0.2     | 0.1     | 0.1     |
|   | TC         | 84.0    | 26      | 17      | 22      |
| River Ravi U/S Chamera -II                | pH         | 8.0     | 7.82    | 7.57    | 7.95    |
|   | DO         | 8.9     | 8.2     | 8.2     | 8.6     |
|   | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 94.0    | 14      | 27      | 26      |
| River Ravi D/S Chamera -II                | pH         | 7.9     | 7.87    | 7.63    | 7.99    |
|   | DO         | 9.7     | 8.1     | 8.1     | 8.6     |
|   | BOD        | 0.1     | 0.2     | 0.1     | 0.2     |
|   | TC         | 27.0    | 17      | 31      | 33      |
| River Ravi U/S of Conf. of Budhil Nallah  | pH         | 7.9     | 7.71    | 6.83    | 7.85    |
|   | DO         | 8.9     | 8.1     | 8.3     | 8.3     |
|   | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 63.0    | 17      | 22      | 21      |
| Budhil Nallah U/S Dam of Budhil HEP       | pH         | 7.9     | 7.69    | 7.31    | 7.7     |
|   | DO         | 8.9     | 8.2     | 8.3     | 8.7     |
|   | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 120.0   | 21      | 21      | 22      |
| Budhil Nallah D/S Dam of Budhil HEP       | pH         | 7.7     | 7.78    | 7.37    | 7.79    |
|   | DO         | 8.8     | 8.2     | 8.3     | 8.6     |
|   | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|   | TC         | 130.0   | 26      | 25      | 31      |
| River Ravi D/S TRT of proposed Budhil HEP | pH         | 7.9     | 7.79    | 7.06    | 7.89    |
|   | DO         | 8.9     | 8.3     | 8.2     | 8.5     |
|   | BOD        | 0.1     | 0.2     | 0.1     | 0.2     |
|   | TC         | 70.0    | 20      | 26      | 31      |
| River Beas U/S Pong Dam                   | pH         | 7.9     | 8.06    | 7.81    | 7.65    |
|   | DO         | 9.4     | 9.4     | 9.3     | 7       |
|   | BOD        | 0.1     | 0.2     | 0.1     | 0.1     |



| Name of location                   | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|------------------------------------|------------|---------|---------|---------|---------|
|                                    | TC         | 47.0    | 34      | 27      | 21      |
| U/S Swan Khad IA Sansarpur Terrace | pH         | 7.9     | 7.9     | 7.92    | 7.51    |
|                                    | DO         | 10.0    | 9.1     | 7.3     | -       |
|                                    | BOD        | 0.2     | 0.3     | 0.2     | 0.3     |
|                                    | TC         | 79.0    | 48      | 70      | 63      |
| D/S Swan Khad IA Sansarpur Terrace | pH         | 7.9     | 7.97    | 7.24    | 7.57    |
|                                    | DO         | 8.7     | 8.4     | 7.0     | -       |
|                                    | BOD        | 0.4     | 0.6     | 0.3     | 0.4     |
|                                    | TC         | 120.0   | 63      | 94      | 84      |
| Lund Khad U/s STP Jawalamukhi      | pH         | 7.4     | 8.04    | 7.91    | 7.7     |
|                                    | DO         | 7.9     | 8.9     | 8.9     | 8.3     |
|                                    | BOD        | 0.1     | 0.2     | 0.2     | 0.2     |
|                                    | TC         | 27.0    | 31      | 31      | 33      |
| Lund Khad D/s STP Jawalamukhi      | pH         | 7.6     | 8.17    | 7.98    | 7.76    |
|                                    | DO         | 7.9     | 8.4     | 8.8     | 8.3     |
|                                    | BOD        | 0.2     | 0.3     | 0.3     | 0.2     |
|                                    | TC         | 39.0    | 39      | 38      | 34      |
| Baner Khad U/s STP TMC             | pH         | 7.7     | 7.82    | 7.51    | 7.98    |
|                                    | DO         | 8.0     | 8.7     | 8.9     | 8.6     |
|                                    | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|                                    | TC         | 79.0    | 21      | 27      | 31      |
| Baner Khad D/s STP TMC             | pH         | 7.8     | 7.87    | 7.55    | 8.03    |
|                                    | DO         | 8.1     | 7.9     | 8.9     | 8.4     |
|                                    | BOD        | 0.1     | 0.2     | 0.2     | 0.2     |
|                                    | TC         | 94.0    | 32      | 32      | 26      |
| Charan Khad U/S STP Dharamshala    | pH         | 8.1     | 7.56    | 7.71    | 7.62    |
|                                    | DO         | 8.5     | 8.7     | 8.8     | 8.1     |
|                                    | BOD        | 0.1     | 0.1     | 0.1     | 0.1     |
|                                    | TC         | 48.0    | 25      | 25      | 27      |
|                                    | pH         | 8.0     | 7.32    | 7.8     | 7.83    |

| Name of location                   | Parameters | Apr.-20 | July-20 | Oct.-20 | Jan.-21 |
|------------------------------------|------------|---------|---------|---------|---------|
| Charan Khad D/S STP<br>Dharamshala | DO         | 8.8     | 8       | 8.6     | 7.9     |
|                                    | BOD        | 0.1     | 0.2     | 0.1     | 0.1     |
|                                    | TC         | 58.0    | 27      | 32      | 33      |
| Dal Lake Naddi                     | pH         | 7.9     | 9.96    | 7.84    | 7.59    |
|                                    | DO         | 9.5     | 8.9     | 8.9     | 8.2     |
|                                    | BOD        | 1.1     | 0.2     | 0.1     | 0.1     |
|                                    | TC         | 40.0    | 27      | 21      | 21      |