

Calculation of Forest Land (Masani Barrage)

| Block Section | Village | Structure | Pocket Name | Shape Considered | Length (m) | | Breadth (m) | Height (m) | Area (sqm) | Area(ha) | Area(acre) | |
|------------------|-----------|-----------|-------------|------------------|------------|------|-------------|------------|---------------------------------------|--------------------------------|-------------|------|
| | | | | | L1 | L2 | B | H | | | | |
| Dharuhera - MBIR | Khaliawas | Viaduct | I | Rectangle | 75.6 | | 13.1 | - | Area = L * B = 990.36 | 0.10 | 0.24 | |
| | | Viaduct | II | Trapezium | 13.1 | 7.4 | - | 81.1 | Area = 0.5 * H * (L1+L2) = 831.28 | 0.08 | 0.21 | |
| | | Viaduct | III | Triangle | 50.4 | | 7.4 | - | - | Area = 0.5 * L * B = 186.48 | 0.02 | 0.05 |
| | | Viaduct | IV | Triangle | 11.5 | | 79.2 | - | - | Area = 0.5 * L * B = 445.40 | 0.05 | 0.11 |
| | | Viaduct | V | Trapezium | 11.5 | 18.1 | - | 65.3 | Area = 0.5 * H * (L1+L2) = 966.44 | 0.10 | 0.24 | |
| | | Viaduct | VI | Trapezium | 18.1 | 18.6 | - | 54.1 | Area = 0.5 * H * (L1+L2) = 992.74 | 0.10 | 0.25 | |
| | | Viaduct | VII | Trapezium | 18.6 | 16.8 | - | 55.5 | Area = 0.5 * H * (L1+L2) = 982.35 | 0.10 | 0.24 | |
| | | Viaduct | VIII | Trapezium | 16.8 | 8.1 | - | 357.2 | Area = 0.5 * H * (L1+L2) = 4447.14 | 0.44 | 1.10 | |
| | | Viaduct | IX | Trapezium | 8.1 | 4.9 | - | 61.8 | Area = 0.5 * H * (L1+L2) = 401.70 | 0.04 | 0.10 | |
| Total | | | | | | | | | | 1.03 | 2.53 | |



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Calculation of Forest Land (Bawal)

| Block Section | Village | Structure | Pocket Name | Shape Considered | Length (m) | | Height (m) | Area (sqm) | Area(ha) | Area(acre) |
|---------------|----------|-----------|-------------|------------------|------------|-------|------------|--------------------------------------|----------|------------|
| | | | | | L1 | L2 | H | | | |
| Rewari -Bawal | Asalwas | Viaduct | I | Trapezium | 8.0 | 10.0 | 100.9 | Area =0.5 * H * (L1+L2) =908.10 | 0.091 | 0.22 |
| Rewari -Bawal | Asalwas | Viaduct | II | Trapezium | 10.0 | 9.6 | 116.2 | Area =0.5 * H * (L1+L2) = 1138.76 | 0.114 | 0.28 |
| Rewari -Bawal | Asalwas | Viaduct | III | Trapezium | 9.6 | 9.7 | 95.1 | Area =0.5 * H * (L1+L2) = 917.72 | 0.092 | 0.23 |
| Rewari -Bawal | Asalwas | Viaduct | IV | Trapezium | 9.7 | 7.0 | 74.6 | Area =0.5 * H * (L1+L2) = 622.91 | 0.063 | 0.16 |
| Rewari -Bawal | Asalwas | Viaduct | V | Trapezium | 7.0 | 10.0 | 261 | Area =0.5 * H * (L1+L2) = 2218.50 | 0.222 | 0.55 |
| Rewari -Bawal | Asalwas | Viaduct | VI | Trapezium | 10.0 | 8.0 | 49.3 | Area =0.5 * H * (L1+L2) = 443.70 | 0.045 | 0.11 |
| Rewari -Bawal | Asalwas | Viaduct | VII | Trapezium | 11.4 | 11.2 | 135.3 | Area =0.5 * H * (L1+L2) = 1528.89 | 0.153 | 0.38 |
| Rewari -Bawal | Asalwas | Viaduct | VIII | Trapezium | 11.2 | 10.0 | 105.5 | Area =0.5 * H * (L1+L2) = 1118.30 | 0.112 | 0.28 |
| Rewari -Bawal | Asalwas | Viaduct | IX | Trapezium | 45.4 | 32.8 | 10 | Area =0.5 * H * (L1+L2) = 391.0 | 0.040 | 0.10 |
| Rewari -Bawal | Asalwas | Viaduct | X | Trapezium | 121.1 | 108.8 | 9.6 | Area =0.5 * H * (L1+L2) = 1103.52 | 0.111 | 0.27 |
| Rewari -Bawal | Suthana | Viaduct | XI | Trapezium | 115.1 | 104.7 | 9.5 | Area =0.5 * H * (L1+L2) = 1044.05 | 0.105 | 0.26 |
| Rewari -Bawal | Jaliawas | Viaduct | XII | Trapezium | 161.1 | 171.1 | 10 | Area =0.5 * H * (L1+L2) = 1661.00 | 0.167 | 0.41 |
| Rewari -Bawal | Jaliawas | Viaduct | XIII | Trapezium | 10.0 | 10.9 | 190.7 | Area =0.5 * H * (L1+L2) = 1992.82 | 0.200 | 0.49 |
| Rewari -Bawal | Jaliawas | Viaduct | XIV | Trapezium | 147.8 | 127.9 | 10.9 | Area =0.5 * H * (L1+L2) =1502.57 | 0.151 | 0.37 |
| Rewari -Bawal | Jaliawas | Viaduct | XV | Rectangle | 141.1 | | 11.1 | Area =L * H = 1566.21 | 0.157 | 0.39 |
| Rewari -Bawal | Jaliawas | Viaduct | XVI | Trapezium | 11.1 | 10.3 | 26.5 | Area =0.5 * H * (L1+L2) = 294.15 | 0.029 | 0.07 |
| Rewari -Bawal | Jaliawas | Viaduct | XVII | Rectangle | 10.3 | | 326.1 | Area = L * H = 3358.83 | 0.336 | 0.83 |
| Rewari -Bawal | Jaliawas | Viaduct | XVIII | Trapezium | 10.3 | 9.9 | 175.9 | Area =0.5 * H * (L1+L2) = 1776.59 | 0.178 | 0.44 |
| Rewari -Bawal | Jaliawas | Viaduct | XIX | Trapezium | 10.3 | 9.9 | 175.3 | Area =0.5 * H * (L1+L2) = 1770.53 | 0.178 | 0.44 |
| Rewari -Bawal | Jaliawas | Viaduct | XX | Trapezium | 358.3 | 351 | 10.3 | Area =0.5 * H * (L1+L2) = 3652.90 | 0.366 | 0.90 |
| Rewari -Bawal | Chirhara | Viaduct | XXI | Trapezium | 62.4 | 54.8 | 9.1 | Area =0.5 * H * (L1+L2) = 533.26 | 0.054 | 0.13 |
| Rewari -Bawal | Chirhara | Viaduct | XXII | Trapezium | 9.1 | 7.6 | 47.1 | Area =0.5 * H * (L1+L2) = 393.29 | 0.040 | 0.10 |
| Rewari -Bawal | Chirhara | Viaduct | XXIII | Trapezium | 12.7 | 7.6 | 66.8 | Area =0.5 * H * (L1+L2) = 678.02 | 0.068 | 0.17 |
| Bawal Station | Chirhara | Station | XXIV | Trapezium | 12.7 | 16.1 | 129.8 | Area =0.5 * H * (L1+L2) = 1869.12 | 0.187 | 0.46 |
| Bawal Station | Chirhara | Station | XXV | Rectangle | 12.7 | | 123.5 | Area =L * H = 1568.45 | 0.157 | 0.39 |
| Bawal Station | Chirhara | Station | XXVI | Trapezium | 12.7 | 14.1 | 215.5 | Area =0.5 * H * (L1+L2) = 2887.70 | 0.289 | 0.71 |
| Bawal Station | Chirhara | Station | XXVII | Trapezium | 7.3 | 8.9 | 112.6 | Area =0.5 * H * (L1+L2) =912.06 | 0.092 | 0.23 |
| Bawal Station | Chirhara | Station | XXVIII | Rectangle | 53.7 | | 10.6 | Area =L * H = 569.22 | 0.057 | 0.14 |
| Bawal Station | Chirhara | Station | XXIX | Rectangle | 30 | | 43.6 | Area =L * H = 1308.00 | 0.131 | 0.32 |
| Bawal Station | Chirhara | Station | XXX | Trapezium | 30 | 5.8 | 32.2 | Area =0.5 * H * (L1+L2) = 576.38 | 0.058 | 0.14 |

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Calculation of Forest Land (Bawal)

| Block Section | Village | Structure | Pocket Name | Shape Considered | Length (m) | | Height (m) | Area (sqm) | Area(ha) | Area(acre) |
|----------------|----------|-----------|-------------|------------------|------------|-------|------------|---------------------------------------|--------------|------------|
| | | | | | L1 | L2 | H | | | |
| Bawal Station | Chirhara | Station | XXXI | Trapezium | 121.9 | 102.6 | 14.5 | Area = 0.5 * H * (L1+L2) = 1627.63 | 0.163 | 0.40 |
| Bawal Station | Chirhara | Station | XXXII | Rectangle | 428.5 | | 20.2 | Area = L * H = 8655.7 | 0.866 | 2.14 |
| Bawal - Rewari | Chirhara | Viaduct | XXXIII | Trapezium | 18.1 | 17.7 | 151.8 | Area = 0.5 * H * (L1+L2) = 2717.22 | 0.272 | 0.67 |
| Bawal - Rewari | Chirhara | Viaduct | XXXIV | Trapezium | 17.7 | 17 | 41.9 | Area = 0.5 * H * (L1+L2) = 726.97 | 0.073 | 0.18 |
| Bawal - Rewari | Chirhara | Viaduct | XXXV | Trapezium | 11.3 | 17 | 93.7 | Area = 0.5 * H * (L1+L2) = 1325.86 | 0.133 | 0.33 |
| Bawal - Rewari | Chirhara | Viaduct | XXXVI | Trapezium | 91.6 | 82 | 11.3 | Area = 0.5 * H * (L1+L2) = 980.84 | 0.099 | 0.24 |
| Bawal - Rewari | Rudh | Viaduct | XXXVII | Trapezium | 148.4 | 158 | 12.1 | Area = 0.5 * H * (L1+L2) = 1853.72 | 0.186 | 0.46 |
| Bawal - Rewari | Rudh | Viaduct | XXXVIII | Trapezium | 8.1 | 12.1 | 188.6 | Area = 0.5 * H * (L1+L2) = 1904.86 | 0.191 | 0.47 |
| Bawal - Rewari | Rudh | Viaduct | XXXIX | Trapezium | 8.1 | 6.8 | 79 | Area = 0.5 * H * (L1+L2) = 588.55 | 0.059 | 0.15 |
| Bawal - Rewari | Rudh | Viaduct | XL | Trapezium | 7.3 | 6.8 | 131.4 | Area = 0.5 * H * (L1+L2) = 926.37 | 0.093 | 0.23 |
| Bawal - Rewari | Rudh | Viaduct | XLI | Trapezium | 32.2 | 26.1 | 8.6 | Area = 0.5 * H * (L1+L2) = 250.69 | 0.026 | 0.06 |
| Bawal - Rewari | Rudh | Viaduct | XLII | Trapezium | 8.6 | 11 | 21.2 | Area = 0.5 * H * (L1+L2) = 207.76 | 0.021 | 0.05 |
| Bawal - Rewari | Rudh | Viaduct | XLIII | Trapezium | 11 | 14 | 13.4 | Area = 0.5 * H * (L1+L2) = 167.50 | 0.017 | 0.04 |
| Bawal - Rewari | Rudh | Viaduct | XLIV | Trapezium | 582.3 | 599.1 | 14 | Area = 0.5 * H * (L1+L2) = 8269.94 | 0.827 | 2.04 |
| Total | | | | | | | | 7.07 | 17.47 | |


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