

Discharge at Dam Site (1976)

1976

| DAY* | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1 | 84.85 | 70.35 | 80.43 | 87.08 | 53.32 | 206.53 | 1107.21 | 576.43 | 558.32 | 348.50 | 206.85 | 153.54 | | |
| 2 | 84.85 | 81.35 | 92.43 | 86.08 | 188.23 | 179.19 | 821.29 | 613.05 | 625.03 | 346.73 | 201.27 | 141.71 | | |
| 3 | 84.85 | 76.35 | 82.40 | 84.08 | 127.71 | 206.67 | 1117.29 | 582.30 | 640.20 | 395.91 | 202.60 | 141.71 | | |
| 4 | 84.85 | 75.44 | 106.40 | 87.08 | 260.53 | 402.96 | 761.72 | 731.35 | 624.63 | 311.60 | 197.60 | 144.83 | | |
| 5 | 83.98 | 85.11 | 104.40 | 87.93 | 177.20 | 423.96 | 833.96 | 608.99 | 586.48 | 331.13 | 196.93 | 140.88 | | |
| 6 | 87.98 | 77.21 | 114.40 | 86.93 | 119.59 | 392.34 | 708.43 | 674.32 | 556.84 | 294.64 | 195.60 | 136.88 | | |
| 7 | 83.98 | 76.30 | 102.40 | 96.93 | 117.90 | 464.96 | 649.35 | 779.49 | 682.96 | 315.91 | 195.60 | 140.05 | | |
| 8 | 81.98 | 76.30 | 90.40 | 86.93 | 161.17 | 389.96 | 534.87 | 623.63 | 769.81 | 370.14 | 189.60 | 138.05 | | |
| 9 | 80.98 | 79.35 | 88.40 | 91.93 | 117.57 | 602.02 | 757.81 | 572.70 | 670.89 | 373.88 | 187.60 | 135.15 | | |
| 10 | 78.98 | 79.35 | 91.41 | 102.93 | 111.92 | 339.42 | 619.59 | 688.42 | 579.70 | 328.13 | 187.60 | 131.15 | | |
| 11 | 82.11 | 76.35 | 85.41 | 111.93 | 115.35 | 1099.16 | 609.63 | 809.01 | 560.90 | 307.50 | 186.89 | 138.28 | | |
| 12 | 80.11 | 67.11 | 85.41 | 95.93 | 55.36 | 1023.34 | 742.74 | 515.15 | 532.42 | 293.72 | 182.89 | 134.28 | | |
| 13 | 80.11 | 79.35 | 86.34 | 102.93 | 110.15 | 678.63 | 655.21 | 552.87 | 569.89 | 281.81 | 182.89 | 134.28 | | |
| 14 | 78.11 | 77.35 | 83.34 | 119.93 | 128.54 | 1229.93 | 619.18 | 567.84 | 550.90 | 277.12 | 177.89 | 125.28 | | |
| 15 | 77.21 | 77.35 | 92.34 | 111.93 | 132.57 | 605.61 | 667.63 | 559.63 | 540.70 | 276.78 | 179.19 | 122.37 | | |
| 16 | 77.21 | 78.44 | 93.34 | 94.82 | 151.54 | 691.99 | 799.61 | 548.63 | 477.37 | 272.78 | 174.19 | 116.37 | | |
| 17 | 77.21 | 73.44 | 93.34 | 108.82 | 125.86 | 734.67 | 825.56 | 624.54 | 476.30 | 254.58 | 172.19 | 121.46 | | |
| 18 | 77.21 | 74.41 | 91.26 | 103.82 | 144.25 | 793.02 | 694.63 | 740.20 | 438.87 | 253.16 | 173.44 | 123.45 | | |
| 19 | 79.72 | 78.41 | 87.26 | 96.82 | 150.85 | 1044.61 | 638.35 | 697.81 | 572.43 | 242.69 | 168.44 | 117.46 | | |
| 20 | 74.11 | 83.41 | 91.26 | 114.82 | 160.02 | 613.83 | 586.36 | 769.81 | 392.76 | 231.27 | 165.44 | 116.55 | | |
| 21 | 74.21 | 85.41 | 89.26 | 133.46 | 164.15 | 475.78 | 582.90 | 1041.63 | 384.02 | 229.30 | 161.73 | 116.55 | | |
| 22 | 72.21 | 86.46 | 84.26 | 113.26 | 165.54 | 450.46 | 619.19 | 1130.63 | 493.13 | 224.30 | 155.73 | 116.55 | | |
| 23 | 70.21 | 82.46 | 80.26 | 119.26 | 529.76 | 518.78 | 553.32 | 1134.93 | 485.87 | 230.33 | 154.90 | 118.55 | | |
| 24 | 75.21 | 75.46 | 86.19 | 133.34 | 213.54 | 449.56 | 551.89 | 1071.54 | 433.30 | 223.02 | 152.90 | 117.63 | | |
| 25 | 76.30 | 80.43 | 95.08 | 144.26 | 170.86 | 413.79 | 523.63 | 1159.20 | 359.37 | 219.27 | 164.16 | 114.60 | | |
| 26 | 76.30 | 92.43 | 93.08 | 154.44 | 154.15 | 499.61 | 479.26 | 780.59 | 372.02 | 263.79 | 154.16 | 114.60 | | |
| 27 | 76.30 | 85.43 | 96.08 | 122.13 | 142.46 | 504.83 | 614.74 | 666.21 | 447.43 | 218.79 | 164.16 | 114.60 | | |
| 28 | 76.30 | 72.43 | 91.08 | 125.38 | 167.06 | 648.56 | 550.19 | 680.70 | 397.13 | 211.78 | 170.16 | 108.60 | | |
| 29 | 78.30 | 74.43 | 91.08 | 125.57 | 264.83 | 687.90 | 607.32 | 676.35 | 374.19 | 208.20 | 163.37 | 109.61 | | |
| 30 | 77.35 | 77.35 | 86.08 | 136.09 | 255.94 | 853.83 | 634.43 | 721.26 | 364.25 | 207.65 | 155.54 | 109.61 | | |
| 31 | 72.35 | 72.35 | 87.08 | 136.09 | 224.39 | 853.83 | 629.32 | 603.97 | 364.25 | 204.07 | 155.54 | 107.61 | | |
| TOTAL | 2445.43 | 2277.67 | 2821.90 | 3266.84 | 5192.51 | 117645.90 | 121096.61 | 122592.89 | 115518.11 | 8547.88 | 5362.51 | 3902.27 | | |
| AVERAGE | 78.88 | 78.54 | 91.03 | 108.89 | 167.50 | 588.20 | 680.54 | 728.80 | 517.27 | 275.74 | 178.75 | 125.88 | | |
| MAXIMUM | 87.98 | 92.43 | 114.40 | 154.44 | 549.76 | 1229.93 | 1117.29 | 1159.20 | 769.81 | 395.91 | 206.85 | 153.54 | | |
| MINIMUM | 70.21 | 67.11 | 80.26 | 84.08 | 55.36 | 179.19 | 479.26 | 515.15 | 359.37 | 204.07 | 155.54 | 107.61 | | |
| DAY- 35- 95- 195- 275- 355- WIN- ATTN | DATE < 760614 > DATE < 760810 > DATE < 760626 > DATE < 761122 > DATE < 760226 > DATE < 760212 > DATE < 760512 > | 1229.93 688.42 499.61 165.73 92.43 74.41 55.36 | DATE < 760810 > DATE < 760626 > DATE < 761122 > DATE < 760226 > DATE < 760212 > DATE < 760512 > | 1229.93 688.42 499.61 165.73 92.43 74.41 55.36 | DATE < 760810 > DATE < 760626 > DATE < 761122 > DATE < 760226 > DATE < 760212 > DATE < 760512 > | 1229.93 688.42 499.61 165.73 92.43 74.41 55.36 | DATE < 760810 > DATE < 760626 > DATE < 761122 > DATE < 760226 > DATE < 760212 > DATE < 760512 > | 1229.93 688.42 499.61 165.73 92.43 74.41 55.36 | DATE < 760810 > DATE < 760626 > DATE < 761122 > DATE < 760226 > DATE < 760212 > DATE < 760512 > | 1229.93 688.42 499.61 165.73 92.43 74.41 55.36 | DATE < 760810 > DATE < 760626 > DATE < 761122 > DATE < 760226 > DATE < 760212 > DATE < 760512 > | 1229.93 688.42 499.61 165.73 92.43 74.41 55.36 | DATE < 760810 > DATE < 760626 > DATE < 761122 > DATE < 760226 > DATE < 760212 > DATE < 760512 > | 1229.93 688.42 499.61 165.73 92.43 74.41 55.36 |

1977.

B-36

1378.

B-37

1979

B — 38

Discharge at Dam Site (1980)

1980

| #DAY* | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--|---|---|---|---------|---------|----------|----------|----------|-----------|-----------|---------|---------|
| 1 | 138.89 | 117.51 | 187.15 | 166.92 | 190.30 | 199.83 | 897.05 | 890.97 | 1742.37 | 652.14 | 265.60 | 152.55 |
| 2 | 134.89 | 138.51 | 166.92 | 169.26 | 208.83 | 222.08 | 749.89 | 685.15 | 954.35 | 845.46 | 266.89 | 156.55 |
| 3 | 129.58 | 119.51 | 138.49 | 165.83 | 220.84 | 211.11 | 768.53 | 879.63 | 1516.19 | 643.91 | 248.19 | 153.60 |
| 4 | 127.58 | 119.51 | 143.31 | 169.83 | 224.73 | 322.49 | 713.55 | 879.19 | 1232.63 | 632.45 | 251.44 | 171.60 |
| 5 | 126.55 | 117.51 | 140.67 | 161.83 | 207.76 | 358.39 | 741.76 | 876.63 | 1564.32 | 544.50 | 257.44 | 164.60 |
| 6 | 126.55 | 118.15 | 159.67 | 165.83 | 263.73 | 332.11 | 760.02 | 931.26 | 1187.81 | 559.81 | 226.73 | 161.61 |
| 7 | 123.55 | 116.15 | 162.52 | 185.82 | 246.57 | 485.56 | 750.42 | 972.96 | 1101.90 | 525.46 | 222.73 | 158.61 |
| 8 | 119.55 | 110.15 | 154.69 | 197.39 | 250.01 | 385.34 | 724.32 | 982.21 | 994.36 | 491.12 | 212.90 | 155.65 |
| 9 | 122.23 | 109.76 | 154.69 | 200.82 | 230.29 | 509.88 | 959.32 | 1083.07 | 1001.63 | 491.02 | 219.90 | 152.66 |
| 10 | 120.23 | 112.76 | 129.85 | 195.12 | 203.25 | 529.18 | 739.87 | 989.90 | 1472.74 | 513.78 | 225.16 | 145.66 |
| 11 | 122.48 | 116.76 | 127.85 | 169.80 | 224.59 | 378.11 | 572.02 | 1016.89 | 996.48 | 491.01 | 211.37 | 129.53 |
| 12 | 120.48 | 112.76 | 128.46 | 176.22 | 216.36 | 379.60 | 563.37 | 942.21 | 934.56 | 453.27 | 207.37 | 129.53 |
| 13 | 119.16 | 116.76 | 122.46 | 186.60 | 210.85 | 258.26 | 567.96 | 1058.54 | 555.06 | 473.27 | 212.54 | 129.53 |
| 14 | 117.16 | 148.32 | 133.02 | 210.07 | 194.95 | 426.59 | 696.43 | 1133.49 | 1440.90 | 446.30 | 208.54 | 123.64 |
| 15 | 117.16 | 120.76 | 133.02 | 201.76 | 184.55 | 29.35 | 799.43 | 1912.21 | 1740.63 | 416.81 | 201.54 | 130.64 |
| 16 | 117.16 | 140.49 | 144.59 | 197.43 | 208.43 | 770.13 | 863.42 | 1440.02 | 1235.97 | 379.39 | 197.54 | 124.61 |
| 17 | 117.81 | 127.49 | 144.02 | 192.03 | 200.11 | 601.43 | 1164.89 | 1859.02 | 1118.20 | 383.81 | 194.71 | 118.61 |
| 18 | 117.81 | 130.31 | 142.02 | 193.03 | 173.09 | 513.76 | 1116.90 | 2017.72 | 997.96 | 371.78 | 194.71 | 115.51 |
| 19 | 115.81 | 116.92 | 156.02 | 200.68 | 189.84 | 604.87 | 1373.43 | 1297.47 | 1035.54 | 371.78 | 192.88 | 116.58 |
| 20 | 116.01 | 116.92 | 153.93 | 222.45 | 194.84 | 589.87 | 830.87 | 1403.13 | 843.81 | 382.20 | 195.88 | 112.58 |
| 21 | 118.01 | 139.31 | 150.45 | 238.15 | 55.02 | 554.19 | 909.07 | 1531.62 | 853.07 | 418.07 | 183.05 | 116.58 |
| 22 | 118.01 | 139.92 | 212.88 | 230.87 | 288.74 | 581.43 | 719.87 | 1559.02 | 806.37 | 381.48 | 183.05 | 113.51 |
| 23 | 118.66 | 129.49 | 173.05 | 268.56 | 279.32 | 609.42 | 1006.61 | 1347.62 | 766.42 | 360.85 | 187.15 | 110.51 |
| 24 | 114.66 | 152.49 | 175.55 | 239.51 | 230.46 | 558.49 | 847.35 | 1364.84 | 661.89 | 368.79 | 177.28 | 117.51 |
| 25 | 114.66 | 159.49 | 181.15 | 226.25 | 224.13 | 644.54 | 661.81 | 1361.35 | 661.87 | 322.30 | 170.28 | 112.65 |
| 26 | 116.66 | 136.69 | 176.15 | 219.78 | 255.34 | 545.18 | 654.36 | 1528.26 | 754.43 | 319.20 | 163.28 | 118.48 |
| 27 | 116.66 | 136.69 | 169.28 | 200.43 | 218.49 | 681.81 | 515.03 | 1347.02 | 716.05 | 302.48 | 164.37 | 111.48 |
| 28 | 118.66 | 136.69 | 158.46 | 190.37 | 214.49 | 618.32 | 658.43 | 1770.49 | 642.35 | 314.27 | 164.37 | 112.41 |
| 29 | 119.26 | 144.69 | 170.58 | 218.93 | 213.39 | 588.42 | 716.48 | 1484.70 | 681.54 | 315.60 | 158.46 | 112.41 |
| 30 | 115.26 | 169.14 | 169.14 | 202.00 | 202.48 | 592.19 | 865.07 | 1361.62 | 775.05 | 274.93 | 152.46 | 112.41 |
| 31 | 115.26 | 163.26 | 163.26 | 195.48 | 195.48 | 195.48 | 923.95 | 1453.89 | 268.31 | 268.31 | 104.25 | 104.25 |
| TOTAL | 3736.40 | 3702.27 | 4823.30 | 5949.57 | 6721.26 | 11402.93 | 12472.53 | 13939.10 | 130986.25 | 113735.55 | 6137.81 | 4046.47 |
| AVERAGE | 120.53 | 127.66 | 155.59 | 198.32 | 216.81 | 469.43 | 798.15 | 1270.62 | 1032.88 | 443.08 | 204.59 | 130.53 |
| MAXIMUM | 138.89 | 159.49 | 212.88 | 268.56 | 287.76 | 770.13 | 1373.43 | 2017.72 | 1742.37 | 845.46 | 266.89 | 171.60 |
| MINIMUM | 114.66 | 109.76 | 122.46 | 161.83 | 55.02 | 29.35 | 515.03 | 685.15 | 555.06 | 268.31 | 158.46 | 104.25 |
| MAY- 35- 95- 185- 275- 355- MIN- | DATE < 800818 > DATE < 800919 > DATE < 800628 > DATE < 800529 > DATE < 800229 > DATE < 801225 > DATE < 800615 > | 2017.72 1035.54 618.32 213.30 144.69 112.66 20.35 | <p>***** A N N U A L ***** TOTAL AVERAGE MAXIMUM MINIMUM ***** 158053.64 431.94 2017.72 29.35 *****</p> | | | | | | | | | |

Discharge at Dam Site (1981)

1981

| *DAY# | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|-----------------|---------|---------|---------|---------|----------|-----------|-----------|-----------|---------|---------|---------|
| 1 | 107.25 | 105.35 | 122.01 | 158.02 | 188.83 | 307.02 | 1305.19 | 828.43 | 903.26 | 358.45 | 165.37 | 111.61 |
| 2 | 143.25 | 108.35 | 145.18 | 131.92 | 212.94 | 337.13 | 1325.19 | 1074.94 | 636.35 | 369.12 | 164.37 | 117.61 |
| 3 | 98.14 | 102.35 | 138.91 | 144.35 | 200.94 | 530.09 | 1244.26 | 969.10 | 877.20 | 363.44 | 164.37 | 115.85 |
| 4 | 111.14 | 90.35 | 125.91 | 208.19 | 241.17 | 484.18 | 1214.54 | 981.20 | 680.81 | 329.01 | 152.37 | 113.85 |
| 5 | 105.14 | 100.19 | 114.60 | 107.03 | 225.17 | 486.87 | 1172.10 | 1110.84 | 732.49 | 343.59 | 251.54 | 118.66 |
| 6 | 118.03 | 97.19 | 136.60 | 181.69 | 315.55 | 364.53 | 950.87 | 988.29 | 764.54 | 309.16 | 174.54 | 114.53 |
| 7 | 102.03 | 119.19 | 132.91 | 171.46 | 301.18 | 315.58 | 820.43 | 924.96 | 635.61 | 285.91 | 162.71 | 113.63 |
| 8 | 99.03 | 113.19 | 137.24 | 138.91 | 259.94 | 366.49 | 611.26 | 902.49 | 993.34 | 272.79 | 148.71 | 109.63 |
| 9 | 95.14 | 103.19 | 127.24 | 142.91 | 269.96 | 333.09 | 775.30 | 912.56 | 112.54 | 269.33 | 147.88 | 106.63 |
| 10 | 101.14 | 94.96 | 118.24 | 138.41 | 299.83 | 342.84 | 747.19 | 785.32 | 879.74 | 258.78 | 147.88 | 106.64 |
| 11 | 96.03 | 94.96 | 110.60 | 197.19 | 331.17 | 335.18 | 716.46 | 1464.62 | 854.35 | 235.20 | 142.88 | 107.64 |
| 12 | 98.69 | 94.96 | 104.60 | 162.03 | 289.17 | 391.84 | 939.43 | 1554.99 | 705.84 | 238.07 | 138.05 | 107.61 |
| 13 | 112.92 | 100.96 | 107.60 | 167.58 | 213.84 | 611.73 | 645.02 | 1152.43 | 739.65 | 223.48 | 141.15 | 108.61 |
| 14 | 90.92 | 97.96 | 106.96 | 170.69 | 237.43 | 720.57 | 867.05 | 1258.36 | 928.15 | 226.85 | 125.31 | 107.61 |
| 15 | 93.92 | 120.69 | 129.18 | 295.54 | 273.48 | 697.32 | 948.36 | 1155.54 | 732.34 | 219.60 | 132.54 | 104.61 |
| 16 | 93.92 | 110.69 | 152.10 | 189.60 | 195.45 | 844.55 | 917.35 | 1152.37 | 760.35 | 207.93 | 130.71 | 101.61 |
| 17 | 99.92 | 117.69 | 156.69 | 249.88 | 319.58 | 657.88 | 979.74 | 721.52 | 608.63 | 213.50 | 121.88 | 102.58 |
| 18 | 94.73 | 133.69 | 134.46 | 272.51 | 301.18 | 654.08 | 990.59 | 860.03 | 620.19 | 200.60 | 124.88 | 99.53 |
| 19 | 94.73 | 127.46 | 108.46 | 252.14 | 319.17 | 546.48 | 910.63 | 870.42 | 538.37 | 199.89 | 123.05 | 95.53 |
| 20 | 91.73 | 168.46 | 183.18 | 261.03 | 333.96 | 604.83 | 891.26 | 894.34 | 536.30 | 194.80 | 128.05 | 98.51 |
| 21 | 97.73 | 144.46 | 197.91 | 197.92 | 309.31 | 655.39 | 921.26 | 1047.43 | 509.87 | 196.19 | 119.15 | 101.51 |
| 22 | 97.73 | 144.46 | 224.61 | 219.92 | 343.84 | 599.18 | 1102.72 | 1101.90 | 527.76 | 200.44 | 114.37 | 96.51 |
| 23 | 97.73 | 145.18 | 168.18 | 98.70 | 313.15 | 583.46 | 1008.74 | 413.19 | 413.19 | 107.44 | 117.28 | 97.51 |
| 24 | 87.58 | 122.18 | 164.24 | 234.19 | 258.45 | 849.30 | 1160.62 | 898.52 | 422.25 | 201.73 | 116.37 | 99.48 |
| 25 | 98.14 | 155.18 | 126.73 | 198.46 | 278.41 | 740.15 | 997.87 | 953.63 | 380.53 | 189.73 | 117.46 | 99.48 |
| 26 | 94.73 | 138.18 | 140.24 | 187.66 | 281.49 | 789.32 | 914.61 | 868.87 | 361.15 | 189.73 | 114.46 | 98.48 |
| 27 | 85.73 | 132.91 | 124.46 | 176.66 | 265.57 | 1094.29 | 955.34 | 767.29 | 355.74 | 201.73 | 116.55 | 97.41 |
| 28 | 98.58 | 145.91 | 122.91 | 192.51 | 378.02 | 1039.81 | 1157.12 | 818.54 | 451.74 | 179.90 | 113.55 | 97.41 |
| 29 | 101.58 | | 129.91 | 183.41 | 320.94 | 958.70 | 936.72 | 940.36 | 475.74 | 176.16 | 113.60 | 97.41 |
| 30 | 95.58 | | 123.69 | 135.27 | 265.11 | 904.54 | 989.17 | 1007.63 | 459.74 | 174.16 | 111.60 | 97.41 |
| 31 | 130.58 | | 136.69 | | 283.60 | | 1130.01 | 744.03 | | 175.37 | | 97.25 |
| TOTAL | 3130.49 | 3339.29 | 4254.31 | 5666.68 | 8589.83 | 11810.42 | 130255.49 | 180724.67 | 119497.56 | 7402.18 | 4158.63 | 3242.15 |
| AVERAGE | 100.98 | 119.26 | 137.24 | 188.22 | 277.09 | 605.38 | 975.98 | 991.12 | 640.92 | 238.78 | 132.62 | 104.59 |
| MAXIMUM | 143.25 | 168.46 | 224.69 | 295.54 | 378.02 | 1094.29 | 1325.19 | 1554.99 | 1012.34 | 369.12 | 251.54 | 118.66 |
| MINIMUM | 85.73 | 94.96 | 104.60 | 98.70 | 158.83 | 306.49 | 611.26 | 721.52 | 355.74 | 174.16 | 111.60 | 95.58 |
| WAX- | DATE < 810812 > | 1554.99 | | | | | | | | | | |
| 35- | DATE < 810620 > | 958.70 | | | | | | | | | | |
| 95- | DATE < 810620 > | 604.83 | | | | | | | | | | |
| 185- | DATE < 810421 > | 197.92 | | | | | | | | | | |
| 275- | DATE < 810310 > | 119.24 | | | | | | | | | | |
| 355- | DATE < 810212 > | 94.96 | | | | | | | | | | |
| VIN- | DATE < 910127 > | 95.73 | | | | | | | | | | |
| ATTN | 1 | | | | | | | | | | | |

Discharge at Dam Site (1982)

1982

| *DAY* | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----------|------------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|---------|---------|---------|
| 1 | 94.25 | 95.58 | 118.96 | 145.37 | 158.46 | 231.07 | 524.43 | 485.02 | 462.74 | 202.28 | 95.78 | 73.27 |
| 2 | 93.25 | 97.58 | 125.58 | 140.28 | 191.46 | 163.36 | 462.19 | 472.63 | 382.63 | 185.50 | 87.78 | 66.50 |
| 3 | 97.25 | 93.35 | 131.35 | 174.51 | 117.87 | 283.03 | 535.43 | 429.54 | 394.90 | 192.24 | 95.20 | 69.80 |
| 4 | 100.14 | 93.73 | 128.35 | 169.25 | 170.84 | 306.74 | 617.07 | 461.59 | 386.96 | 177.72 | 92.20 | 67.93 |
| 5 | 97.14 | 92.73 | 118.35 | 109.14 | 177.17 | 114.02 | 507.61 | 461.36 | 399.37 | 161.15 | 92.20 | 67.93 |
| 6 | 93.14 | 97.14 | 119.35 | 196.63 | 168.55 | 332.83 | 609.89 | 373.34 | 349.03 | 162.46 | 90.81 | 55.93 |
| 7 | 100.14 | 93.92 | 108.35 | 178.14 | 189.67 | 287.18 | 616.36 | 389.81 | 410.81 | 154.12 | 90.78 | 63.31 |
| 8 | 98.14 | 102.92 | 107.19 | 183.92 | 171.49 | 345.49 | 549.35 | 503.47 | 412.32 | 154.12 | 83.78 | 63.31 |
| 9 | 96.03 | 97.41 | 106.19 | 150.73 | 174.84 | 656.07 | 998.54 | 489.63 | 345.43 | 155.78 | 85.20 | 68.31 |
| 10 | 99.03 | 88.73 | 107.19 | 170.35 | 182.41 | 476.48 | 859.34 | 448.81 | 350.19 | 157.01 | 93.27 | 65.31 |
| 11 | 96.03 | 90.73 | 104.19 | 150.19 | 236.41 | 269.13 | 824.54 | 450.21 | 237.72 | 147.58 | 95.33 | 65.31 |
| 12 | 98.03 | 92.73 | 105.96 | 155.58 | 228.96 | 548.76 | 816.87 | 450.35 | 453.43 | 146.39 | 72.39 | 63.60 |
| 13 | 96.03 | 99.73 | 111.96 | 156.35 | 235.34 | 367.48 | 465.17 | 520.90 | 554.42 | 134.58 | 81.09 | 62.60 |
| 14 | 96.92 | 96.73 | 111.96 | 135.48 | 248.84 | 424.76 | 885.97 | 438.61 | 430.42 | 129.58 | 80.79 | 70.60 |
| 15 | 98.92 | 95.73 | 113.69 | 134.51 | 143.96 | 427.90 | 803.87 | 423.13 | 517.70 | 119.16 | 82.20 | 69.89 |
| 16 | 96.92 | 106.73 | 119.69 | 145.14 | 181.11 | 367.43 | 499.96 | 442.87 | 401.89 | 107.27 | 79.20 | 68.89 |
| 17 | 98.92 | 107.58 | 216.69 | 148.41 | 221.96 | 398.43 | 716.07 | 457.62 | 417.02 | 112.30 | 82.20 | 69.89 |
| 18 | 95.92 | 109.58 | 180.69 | 148.39 | 208.15 | 528.36 | 927.54 | 472.35 | 328.54 | 114.30 | 79.20 | 66.19 |
| 19 | 95.92 | 104.58 | 146.69 | 150.66 | 170.91 | 741.89 | 659.18 | 422.54 | 416.49 | 118.79 | 76.65 | 65.19 |
| 20 | 93.92 | 102.35 | 134.25 | 180.61 | 174.04 | 868.87 | 788.65 | 570.02 | 502.07 | 113.79 | 78.65 | 65.19 |
| 21 | 96.92 | 101.35 | 135.58 | 202.51 | 159.95 | 809.19 | 723.62 | 526.63 | 396.32 | 103.69 | 77.07 | 64.19 |
| 22 | 95.92 | 102.19 | 133.19 | 148.41 | 134.91 | 718.96 | 584.87 | 450.17 | 374.43 | 112.81 | 89.48 | 62.19 |
| 23 | 94.73 | 104.19 | 143.19 | 136.88 | 146.04 | 679.70 | 579.91 | 522.02 | 320.21 | 160.78 | 99.48 | 61.44 |
| 24 | 90.73 | 99.19 | 150.96 | 192.90 | 134.91 | 632.32 | 639.39 | 1288.81 | 322.19 | 134.58 | 83.48 | 65.44 |
| 25 | 92.73 | 99.19 | 156.35 | 213.61 | 155.04 | 686.54 | 699.88 | 606.55 | 346.19 | 115.16 | 93.85 | 63.44 |
| 26 | 91.73 | 102.96 | 136.35 | 176.37 | 186.04 | 738.05 | 869.97 | 837.81 | 312.65 | 112.69 | 75.85 | 63.44 |
| 27 | 93.73 | 106.96 | 121.58 | 150.46 | 215.79 | 690.87 | 914.42 | 1118.63 | 285.43 | 115.79 | 71.85 | 62.73 |
| 28 | 91.73 | 109.96 | 122.96 | 167.28 | 245.67 | 551.36 | 713.97 | 951.13 | 235.65 | 106.30 | 75.27 | 61.73 |
| 29 | 89.58 | | 131.69 | 154.66 | 224.11 | 488.96 | 736.57 | 611.13 | 244.02 | 104.79 | 55.27 | 63.73 |
| 30 | 89.58 | | 131.46 | 160.48 | 69.47 | 504.19 | 454.12 | 552.34 | 227.43 | 100.78 | 73.27 | 59.73 |
| 31 | 91.58 | | 162.46 | | 210.89 | | 485.87 | 618.63 | | 98.78 | | 61.90 |
| TOTAL | 2964.00 | 2785.55 | 4040.40 | 4829.20 | 5623.26 | 114628.42 | 121070.62 | 117247.45 | 111218.60 | 4212.27 | 2519.17 | 2029.81 |
| AVERAGE | 95.61 | 99.48 | 130.34 | 160.97 | 181.40 | 487.61 | 679.70 | 556.37 | 373.95 | 135.88 | 83.67 | 65.48 |
| MAXIMUM | 100.14 | 109.96 | 214.69 | 213.61 | 248.84 | 868.87 | 998.54 | 1288.81 | 554.42 | 202.28 | 99.48 | 73.27 |
| MINIMUM | 89.58 | 88.73 | 104.19 | 109.14 | 69.47 | 114.02 | 454.12 | 373.34 | 227.43 | 98.78 | 65.27 | 59.73 |
| MAX-DATE | < 820824 > | | 1288.81 | | | | | | | | | |
| 35-DATE | < 820829 > | | 611.13 | | | | | | | | | |
| 95-DATE | < 820904 > | | 386.96 | | | | | | | | | |
| 195-DATE | < 820418 > | | 148.39 | | | | | | | | | |
| 275-DATE | < 820116 > | | 96.92 | | | | | | | | | |
| 355-DATE | < 821225 > | | 63.44 | | | | | | | | | |
| WIN-DATE | < 821230 > | | 59.73 | | | | | | | | | |
| ATTN(| 1) | | | | | | | | | | | |

4861

B-43

5861

B - 44

Monthly Rainfall Data at Namche Bazar (21201)

| Year | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|--------|
| 1949 | 12.2 | 43.9 | 14.0 | 22.9 | 28.4 | 144.5 | 227.4 | 160.7 | 170.6 | 124.2 | 0.0 | 5.8 | 954.6 |
| 1950 | 20.0 | 15.2 | 40.6 | 27.4 | 18.4 | 224.7 | 210.3 | 241.8 | 116.8 | 2.3 | 4.8 | 6.8 | 929.1 |
| 1951 | 13.9 | 19.6 | 7.6 | 0.0 | 24.8 | 0.0 | 175.9 | 192.2 | 142.1 | 138.6 | 57.8 | 62.6 | 835.1 |
| 1952 | 58.3 | 29.2 | 52.0 | 20.8 | 46.6 | 68.4 | 113.7 | 71.5 | 143.2 | 0.0 | 0.0 | 0.0 | 603.7 |
| 1953 | 273.4 | 12.7 | 4.9 | 3.2 | 150.9 | 272.1 | 253.2 | 171.2 | 162.7 | 83.3 | 68.2 | 255.0 | 1710.8 |
| 1954 | 7.3 | 4.3 | 9.7 | 0.0 | 0.0 | 173.2 | 190.6 | 0.0 | 165.3 | 5.8 | 0.0 | 0.0 | 556.2 |
| 1955 | 6.1 | 0.0 | 33.0 | 12.7 | 22.1 | 0.0 | 0.0 | 218.3 | 79.4 | 14.0 | 12.5 | 30.8 | 428.9 |
| 1956 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 93.8 | 250.3 | 239.8 | 60.5 | 14.4 | 0.0 | 24.2 | 683.0 |
| 1957 | 40.2 | 5.9 | 26.2 | 13.7 | 2.3 | 38.0 | 244.4 | 254.6 | 93.1 | 50.5 | 0.0 | 0.0 | 768.9 |
| 1958 | 135.3 | 2.6 | 42.1 | 36.9 | 41.7 | 99.7 | 263.7 | 201.4 | 170.7 | 103.9 | 0.0 | 0.0 | 1098.0 |
| 1959 | 0.0 | 8.1 | 48.2 | 109.5 | 91.7 | 110.0 | 241.8 | 239.9 | 218.9 | 35.8 | 0.0 | 0.0 | 1103.9 |
| 1960 | 20.3 | 31.3 | 20.0 | 22.7 | 23.2 | 151.0 | 123.0 | 243.5 | 152.3 | 84.4 | 21.6 | 32.0 | 925.3 |
| 1961 | 85.0 | 119.0 | 42.1 | 30.6 | 21.4 | 142.4 | 135.6 | 242.3 | 140.3 | 14.7 | 0.0 | 6.3 | 979.7 |
| 1962 | 14.3 | 13.0 | 80.6 | 28.6 | 78.2 | 144.0 | 289.8 | 219.6 | 200.2 | 79.4 | 25.2 | 1.4 | 1174.3 |
| 1963 | 0.0 | 8.8 | 7.0 | 17.2 | 58.0 | 145.0 | 264.7 | 185.8 | 238.4 | 9.0 | 0.0 | 0.0 | 933.9 |
| 1964 | 1.0 | 15.6 | 44.2 | 36.8 | 26.5 | 88.2 | 179.8 | 190.1 | 135.6 | 61.2 | 1.4 | 0.0 | 780.4 |
| 1965 | 98.0 | 31.8 | 0.0 | 10.2 | 13.3 | 119.1 | 251.4 | 219.6 | 124.6 | 12.6 | 5.2 | 4.4 | 890.2 |
| 1966 | 0.0 | 2.4 | 52.4 | 21.8 | 3.4 | 94.2 | 201.6 | 228.0 | 87.0 | 8.8 | 15.8 | 6.0 | 721.4 |
| 1967 | 38.6 | 12.2 | 40.0 | 48.4 | 2.6 | 136.2 | 268.8 | 207.0 | 101.6 | 228.8 | 0.0 | 0.0 | 1084.2 |
| 1968 | 36.0 | 6.0 | 33.5 | 25.2 | 177.3 | 178.9 | 276.4 | 286.8 | 145.6 | 35.7 | 20.6 | 0.0 | 1222.0 |
| 1969 | 0.0 | 0.0 | 12.0 | 18.0 | 24.8 | 244.5 | 294.9 | 241.5 | 98.7 | 17.2 | 0.0 | 0.0 | 951.6 |
| 1970 | 9.2 | 8.2 | 18.0 | 81.8 | 62.1 | 239.6 | 269.6 | 247.2 | 151.0 | 172.6 | 2.0 | 0.0 | 1261.3 |
| 1971 | 17.3 | 20.3 | 29.8 | 29.8 | 34.6 | 132.0 | 269.8 | 270.8 | 213.4 | 170.0 | 31.4 | 0.0 | 1219.2 |
| 1972 | 8.8 | 31.2 | 49.4 | 4.8 | 54.4 | 176.2 | 196.7 | 252.0 | 226.7 | 229.2 | 8.2 | 0.0 | 1237.6 |
| 1973 | 8.2 | 2.0 | 18.0 | 7.6 | 36.8 | 84.6 | 272.2 | 274.9 | 137.0 | 48.6 | 0.0 | 20.0 | 909.9 |
| 1974 | 20.6 | 19.0 | 32.4 | 9.9 | 7.4 | 196.3 | 412.4 | 262.5 | 311.5 | 33.9 | 0.0 | 2.4 | 1308.3 |
| 1975 | 15.6 | 0.0 | 0.0 | 26.9 | 51.0 | 309.3 | 257.7 | 300.0 | 143.8 | 0.0 | 0.0 | 0.0 | 1104.3 |
| 1976 | 7.0 | 0.0 | 18.6 | 60.7 | 164.1 | 117.8 | 356.4 | 394.1 | 185.3 | 72.5 | 18.9 | 18.6 | 1414.0 |
| 1977 | 22.8 | 29.8 | 119.8 | 24.8 | 2.4 | 109.4 | 165.4 | 210.2 | 149.5 | 163.0 | 6.4 | 14.6 | 1018.1 |
| 1978 | 7.0 | 18.2 | 8.9 | 18.8 | 23.0 | 93.8 | 138.6 | 128.8 | 0.0 | 0.0 | 0.0 | 0.0 | 437.1 |
| 1979 | 0.0 | 22.6 | 18.2 | 0.0 | 7.6 | 98.2 | 266.6 | 263.5 | 69.2 | 8.5 | 0.0 | 12.8 | 767.2 |
| 1980 | 0.0 | 22.6 | 18.2 | 0.0 | 7.6 | 98.2 | 266.6 | 263.5 | 69.2 | 8.5 | 0.0 | 12.8 | 767.2 |
| Ave. | 31.5 | 17.2 | 29.8 | 24.9 | 41.9 | 136.3 | 227.8 | 221.3 | 146.3 | 65.3 | 9.7 | 16.2 | 968.1 |

Monthly Rainfall Data at Chanrikhark (21202)

| Year | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|------|------|-------|-------|-------|-------|-------|-------|--------|--------|-------|------|------|--------|
| 1949 | 0.0 | 0.0 | 6.9 | 97.5 | 260.4 | 398.4 | 596.4 | 572.0 | 470.0 | 111.7 | 0.3 | 7.9 | 2521.5 |
| 1950 | 11.4 | 16.6 | 25.9 | 14.0 | 110.6 | 402.1 | 454.0 | 580.3 | 292.0 | 6.7 | 0.0 | 1.5 | 1915.1 |
| 1951 | 0.0 | 0.0 | 49.5 | 12.8 | 68.1 | 348.2 | 552.1 | 486.7 | 225.2 | 46.9 | 19.5 | 0.0 | 1809.0 |
| 1952 | | | | | | | | | | | | | |
| 1953 | 0.0 | 0.0 | 0.0 | 46.4 | 89.4 | 223.9 | 772.8 | 482.1 | 278.0 | 42.7 | 0.0 | 3.0 | 1938.3 |
| 1954 | 0.0 | 4.9 | 36.0 | 16.3 | 94.6 | 469.6 | 583.1 | 606.6 | 343.4 | 13.4 | 0.0 | 0.0 | 2167.9 |
| 1955 | 0.0 | 0.0 | 17.9 | 36.5 | 53.2 | 393.0 | 579.6 | 644.5 | 328.8 | 158.0 | 0.0 | 16.3 | 2227.8 |
| 1956 | 9.4 | 0.0 | 5.0 | 48.7 | 88.2 | 443.5 | 241.9 | 357.8 | 297.7 | 126.6 | 43.2 | 8.9 | 1670.9 |
| 1957 | 5.1 | 33.0 | 33.8 | 0.0 | 0.0 | 220.2 | 994.7 | 710.9 | 220.2 | 118.1 | 0.0 | 35.0 | 2371.0 |
| 1958 | 1.8 | 25.4 | 23.6 | 44.2 | 0.0 | 100.1 | 950.7 | 645.2 | 231.6 | 52.6 | 8.4 | 0.0 | 2083.6 |
| 1959 | 30.2 | 6.1 | 33.4 | 76.9 | 95.4 | 254.6 | 568.6 | 400.4 | 247.9 | 126.2 | 0.0 | 0.0 | 1839.7 |
| 1960 | 0.0 | 2.5 | 46.6 | 176.2 | 380.7 | 844.6 | 589.4 | 1223.2 | 1070.0 | 141.2 | 0.0 | 0.0 | 4474.4 |
| 1961 | 1.3 | 12.4 | 66.0 | 29.2 | 76.6 | 308.8 | 469.2 | 812.3 | 304.9 | 79.5 | 37.2 | 29.5 | 2226.9 |
| 1962 | 50.7 | 50.0 | 46.4 | 40.9 | 111.1 | 337.8 | 697.7 | 518.0 | 391.2 | 37.6 | 0.0 | 0.0 | 2281.4 |
| 1963 | 63.4 | 0.0 | 64.8 | 39.5 | 82.2 | 342.4 | 606.2 | 756.2 | 277.6 | 51.8 | 37.6 | 0.0 | 2321.7 |
| 1964 | 0.0 | 23.4 | 40.6 | 81.4 | 83.1 | 168.0 | 682.4 | 497.4 | 434.2 | 40.0 | 0.0 | 0.0 | 2050.5 |
| 1965 | 10.0 | 11.6 | 77.4 | 28.0 | 72.8 | 207.0 | 496.0 | 484.2 | 197.0 | 70.0 | 79.9 | 0.0 | 1733.9 |
| 1966 | 82.0 | 7.0 | 0.0 | 16.4 | 92.2 | 168.0 | 526.8 | 525.6 | 368.6 | 59.8 | 5.0 | 6.8 | 1858.2 |
| 1967 | 0.0 | 9.0 | 122.4 | 45.2 | 44.6 | 240.5 | 410.4 | 502.4 | 256.4 | 18.8 | 29.8 | 8.2 | 1687.7 |
| 1968 | 0.0 | 7.0 | 62.2 | 42.6 | 53.0 | 354.1 | 638.8 | 514.2 | 360.3 | 183.8 | 1.6 | 0.0 | 2217.6 |
| 1969 | 2.2 | 1.0 | 64.2 | 11.2 | 48.0 | 272.4 | 514.2 | 514.2 | 293.8 | 5.6 | 10.8 | 0.0 | 1737.6 |
| 1970 | 7.0 | 47.8 | 62.2 | 15.6 | 50.0 | 331.0 | 533.7 | 546.2 | 296.0 | 34.2 | 11.4 | 0.0 | 1935.1 |
| 1971 | 9.4 | 18.8 | 284.8 | 118.5 | 180.4 | 519.4 | 620.0 | 689.6 | 309.4 | 149.6 | 27.0 | 7.8 | 2934.7 |
| 1972 | | | | | | | | | | | | | |
| 1973 | 5.8 | 102.6 | 61.2 | 35.4 | 142.1 | 350.6 | 385.5 | 455.6 | 335.0 | 112.0 | 0.0 | 0.0 | 1985.8 |
| 1974 | 6.4 | 3.4 | 26.4 | 49.0 | 178.6 | 258.6 | 553.4 | 471.0 | 322.2 | 144.4 | 2.4 | 20.4 | 2036.2 |
| 1975 | 33.4 | 13.4 | 11.2 | 58.2 | 79.2 | 290.8 | 640.0 | 498.8 | 428.6 | 56.0 | 0.2 | 8.6 | 2118.4 |
| 1976 | 24.5 | 19.0 | 2.0 | 49.6 | 109.6 | 449.1 | 416.8 | 670.9 | 246.6 | 108.0 | 2.0 | 0.0 | 2098.1 |
| 1977 | 14.2 | 4.2 | 6.2 | 97.3 | 81.2 | 224.9 | 663.8 | 683.2 | 238.5 | 128.4 | 27.6 | 50.0 | 2219.5 |
| 1978 | 18.0 | 54.0 | 32.0 | 36.0 | 204.4 | 199.9 | 479.0 | 404.8 | 245.3 | 84.0 | 4.0 | 8.0 | 1769.4 |
| 1979 | 0.0 | 29.3 | 2.2 | 51.1 | 53.3 | 267.5 | 651.1 | 274.0 | 208.4 | 187.5 | 62.5 | 31.7 | 1818.6 |
| 1980 | 55.1 | 34.0 | 33.1 | 32.8 | 112.5 | 279.6 | 910.7 | 693.3 | 365.0 | 33.8 | 39.9 | 30.2 | 2620.0 |
| Ave. | 14.7 | 17.9 | 44.8 | 48.2 | 103.2 | 322.3 | 592.6 | 574.1 | 329.5 | 84.3 | 15.0 | 9.1 | 2155.7 |

Monthly Rainfall Data at Num(21301)

| Year | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-------|------|--------|
| 1960 | 0.0 | 27.0 | 75.5 | 113.2 | 508.2 | 1089.7 | 912.2 | 1399.9 | 1515.1 | 637.9 | 55.9 | 12.5 | 6347.1 |
| 1961 | 198.2 | 25.7 | 163.7 | 127.0 | 540.4 | 609.4 | 671.9 | 584.5 | 653.8 | 288.4 | 67.0 | 85.0 | 4015.0 |
| 1962 | 110.8 | 175.5 | 210.5 | 119.6 | 332.5 | 731.6 | 318.0 | 498.1 | 58.0 | 128.2 | 48.8 | 5.9 | 2737.5 |
| 1963 | 0.0 | 3.5 | 28.4 | 96.5 | 93.9 | 146.1 | 208.1 | 349.2 | 139.0 | 91.2 | 41.1 | 29.3 | 1226.3 |
| 1964 | 0.0 | 0.0 | 0.0 | 212.0 | 233.8 | 403.3 | 721.3 | 690.7 | 352.3 | 406.8 | 102.5 | 54.7 | 3177.4 |
| 1965 | 98.5 | 61.2 | 48.2 | 264.2 | 442.8 | 547.3 | 661.6 | 639.0 | 792.8 | 86.4 | 156.4 | 51.1 | 3849.5 |
| 1966 | 81.6 | 16.1 | 0.0 | 85.4 | 427.0 | 985.8 | 734.1 | 908.8 | 745.5 | 231.5 | 28.4 | 0.0 | 4244.2 |
| 1967 | 0.0 | 0.0 | 210.8 | 131.7 | 577.3 | 681.4 | 466.3 | 593.4 | 505.6 | 189.0 | 221.3 | 84.6 | 3661.4 |
| 1968 | 39.0 | 15.3 | 103.3 | 85.8 | 624.8 | 614.9 | 897.2 | 633.4 | 931.4 | 311.0 | 96.0 | 0.0 | 4352.1 |
| 1969 | 0.0 | 0.0 | 120.0 | 150.4 | 179.8 | 526.7 | 573.4 | 232.5 | 71.1 | 4.3 | 14.8 | 11.6 | 1884.6 |
| 1970 | 78.2 | 10.8 | 163.0 | 113.0 | 78.2 | 196.3 | 144.2 | 185.5 | 366.7 | 113.0 | 0.0 | 0.0 | 1448.9 |
| 1971 | 0.0 | 21.4 | 158.4 | 700.3 | 559.6 | 651.3 | 313.2 | 297.2 | 45.4 | 29.7 | 11.2 | 0.0 | 2787.7 |
| 1972 | 0.0 | 1.3 | 9.1 | 254.5 | 698.4 | 648.2 | 457.5 | 144.6 | 118.1 | 160.1 | 106.0 | 23.6 | 2621.4 |
| 1973 | 0.0 | 124.1 | 53.0 | 90.9 | 579.9 | 1016.9 | 515.7 | 574.3 | 462.0 | 153.0 | 37.7 | 9.0 | 3616.5 |
| 1974 | 0.0 | 10.4 | 94.8 | 492.2 | 904.4 | 995.6 | 792.1 | 777.3 | 436.5 | 702.0 | 0.0 | 43.4 | 5248.7 |
| 1975 | 42.2 | 96.7 | 12.4 | 135.8 | 471.5 | 938.7 | 722.9 | 617.0 | 820.4 | 555.7 | 0.0 | 16.0 | 4429.3 |
| 1976 | 26.4 | 71.6 | 39.4 | 81.2 | 742.7 | 1401.0 | 908.7 | 549.8 | 345.2 | 356.4 | 70.4 | 4.0 | 4596.8 |
| 1977 | 0.0 | 110.2 | 79.0 | 732.2 | 561.9 | 738.2 | 1081.0 | 1039.3 | 397.1 | 386.0 | 200.9 | 30.7 | 5356.5 |
| 1978 | 5.0 | 0.0 | 73.1 | 232.9 | 548.6 | 1019.1 | 722.5 | 811.3 | 580.7 | 105.3 | 150.5 | 0.0 | 4249.0 |
| 1979 | 0.0 | 42.5 | 0.0 | 366.1 | 636.1 | 566.9 | 966.1 | 618.5 | 1044.1 | 1484.5 | 39.0 | 46.5 | 5810.3 |
| 1980 | 0.0 | 87.3 | 183.7 | 201.7 | 618.0 | 893.2 | 1054.3 | 815.5 | 883.2 | 180.9 | 0.0 | 0.0 | 4917.8 |
| 1981 | 72.0 | 0.0 | 61.2 | 403.7 | 301.3 | 580.8 | 848.2 | 770.5 | 598.7 | 0.0 | 30.5 | 0.0 | 3666.9 |
| 1982 | 0.0 | 102.0 | 79.5 | 218.4 | 431.7 | 903.7 | 743.0 | 113.0 | 117.1 | 101.0 | 78.3 | 13.5 | 2901.2 |
| 1983 | 22.5 | 41.5 | 31.0 | 185.5 | 289.0 | 915.4 | 696.0 | 409.5 | 470.6 | 0.0 | 0.0 | 6.5 | 3067.5 |
| Ave. | 32.3 | 43.5 | 83.3 | 233.1 | 474.2 | 741.7 | 672.1 | 593.9 | 518.8 | 279.3 | 64.9 | 22.0 | 3758.9 |

Monthly Rainfall Data at Chainpur(21303)

| Year | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1948 | 0.0 | 0.0 | 0.0 | 79.4 | 277.2 | 236.1 | 243.7 | 163.3 | 197.3 | 136.5 | 26.7 | 0.0 | 1360.2 |
| 1949 | 5.6 | 38.9 | 10.2 | 232.5 | 146.0 | 318.0 | 756.3 | 894.9 | 286.4 | 62.6 | 0.0 | 6.6 | 2758.0 |
| 1950 | 14.0 | 5.6 | 23.2 | 5.9 | 93.0 | 225.0 | 455.0 | 584.3 | 61.8 | 1.8 | 0.0 | 2.0 | 1471.6 |
| 1951 | 6.9 | 6.1 | 40.4 | 34.5 | 83.7 | 167.8 | 233.1 | 241.7 | 68.5 | 14.0 | 26.5 | 0.0 | 923.2 |
| 1952 | 0.0 | 53.7 | 12.8 | 55.3 | 387.9 | 229.1 | 360.9 | 335.8 | 411.8 | 14.4 | 15.2 | 0.0 | 1876.9 |
| 1953 | 24.2 | 7.6 | 78.2 | 61.0 | 300.4 | 110.5 | 384.7 | 224.8 | 119.5 | 2.5 | 0.0 | 0.0 | 1313.4 |
| 1954 | 0.0 | 14.0 | 3.8 | 3.8 | 129.2 | 133.8 | 262.3 | 190.2 | 181.6 | 0.0 | 0.0 | 0.0 | 918.7 |
| 1955 | 1.0 | 0.0 | 26.2 | 61.1 | 129.5 | 305.0 | 281.8 | 266.5 | 121.0 | 92.6 | 0.0 | 8.2 | 1292.9 |
| 1956 | 0.0 | 0.0 | 14.5 | 161.8 | 79.8 | 201.8 | 197.3 | 217.7 | 125.8 | 54.0 | 0.0 | 7.6 | 1060.3 |
| 1957 | 53.3 | 3.8 | 20.1 | 0.0 | 41.1 | 146.4 | 279.8 | 180.6 | 41.4 | 23.3 | 0.0 | 19.0 | 808.8 |
| 1958 | 32.5 | 1.3 | 12.0 | 81.5 | 84.2 | 95.0 | 186.7 | 340.1 | 137.8 | 84.6 | 0.0 | 2.3 | 1058.0 |
| 1959 | 2.5 | 0.5 | 13.8 | 88.6 | 135.4 | 85.8 | 300.2 | 252.6 | 170.6 | 153.2 | 0.0 | 0.0 | 1203.2 |
| 1960 | 0.0 | 9.8 | 58.0 | 152.2 | 83.4 | 186.5 | 127.8 | 237.2 | 235.6 | 76.0 | 0.0 | 0.0 | 1166.5 |
| 1961 | 2.0 | 5.0 | 1.8 | 30.6 | 171.6 | 164.8 | 257.4 | 228.8 | 308.8 | 63.4 | 0.6 | 5.4 | 1240.2 |
| 1962 | 32.0 | 38.2 | 44.2 | 45.6 | 125.0 | 242.2 | 261.8 | 283.6 | 227.0 | 8.4 | 0.0 | 3.4 | 1311.4 |
| 1963 | 1.0 | 0.0 | 31.8 | 35.8 | 194.4 | 223.2 | 276.6 | 153.0 | 218.8 | 60.8 | 21.6 | 1.4 | 1218.4 |
| 1964 | 0.0 | 0.0 | 3.2 | 198.8 | 127.6 | 214.0 | 412.6 | 251.9 | 237.8 | 47.4 | 0.0 | 0.0 | 1493.3 |
| 1965 | 0.0 | 11.8 | 23.2 | 28.3 | 151.0 | 442.8 | 255.2 | 285.2 | 71.0 | 32.4 | 140.8 | 0.0 | 1441.7 |
| 1966 | 59.4 | 20.6 | 0.0 | 29.4 | 158.8 | 137.7 | 303.4 | 539.6 | 134.0 | 85.9 | 2.4 | 1.5 | 1472.7 |
| 1967 | 0.0 | 0.0 | 47.2 | 56.1 | 100.6 | 54.4 | 325.4 | 357.5 | 214.4 | 16.0 | 2.0 | 0.0 | 1173.6 |
| 1968 | 6.8 | 0.0 | 9.7 | 12.4 | 175.4 | 247.8 | 293.1 | 276.1 | 345.2 | 247.7 | 0.0 | 0.0 | 1614.2 |
| 1969 | 0.3 | 5.0 | 10.4 | 26.5 | 229.6 | 137.1 | 472.0 | 271.2 | 134.1 | 67.7 | 0.7 | 0.0 | 1354.6 |
| 1970 | 8.7 | 40.3 | 5.2 | 58.3 | 68.2 | 211.4 | 383.5 | 246.6 | 87.0 | 33.0 | 0.0 | 0.0 | 1142.2 |
| 1971 | 0.0 | 2.0 | 12.8 | 184.3 | 347.7 | 218.9 | 417.3 | 348.2 | 199.9 | 104.6 | 39.9 | 2.0 | 1877.6 |
| 1972 | 1.2 | 12.4 | 24.5 | 84.0 | 312.4 | 140.4 | 188.9 | 144.1 | 184.6 | 33.8 | 140.0 | 0.0 | 1266.3 |
| 1973 | 146.0 | 45.6 | 66.9 | 34.4 | 172.0 | 344.4 | 358.8 | 175.0 | 210.3 | 233.8 | 9.6 | 0.0 | 1796.8 |
| 1974 | 13.7 | 9.7 | 23.1 | 217.9 | 90.6 | 175.8 | 365.3 | 230.5 | 212.4 | 57.6 | 0.0 | 6.8 | 1403.4 |
| 1975 | 19.0 | 0.0 | 2.0 | 92.8 | 219.1 | 330.0 | 487.0 | 65.7 | 313.2 | 66.6 | 0.0 | 0.0 | 1595.4 |
| 1976 | 24.2 | 14.2 | 0.0 | 59.8 | 163.4 | 232.6 | 310.8 | 274.6 | 122.0 | 13.4 | 5.4 | 0.0 | 1220.4 |
| 1977 | 5.0 | 6.2 | 50.2 | 135.0 | 158.4 | 130.4 | 85.6 | 169.8 | 117.2 | 46.2 | 19.0 | 26.6 | 949.6 |
| 1978 | 16.8 | 2.4 | 57.6 | 101.8 | 130.4 | 289.0 | 336.4 | 245.7 | 176.1 | 89.9 | 20.8 | 7.2 | 1474.1 |
| 1979 | 8.0 | 16.6 | 0.0 | 94.8 | 128.0 | 240.5 | 203.8 | 398.3 | 150.1 | 38.7 | 28.8 | 33.5 | 1341.1 |
| 1980 | 0.0 | 18.2 | 46.9 | 63.9 | 336.2 | 440.7 | 295.5 | 229.2 | 241.8 | 79.9 | 5.7 | 0.6 | 1758.6 |
| 1981 | 22.7 | 0.0 | 49.9 | 80.6 | 317.3 | 252.6 | 348.6 | 201.5 | 156.1 | 3.5 | 5.5 | 0.6 | 1438.9 |
| 1982 | 0.0 | 20.3 | 22.6 | 92.3 | 90.6 | 159.4 | 159.0 | 204.3 | 105.4 | 50.9 | 48.3 | 0.0 | 953.1 |
| 1983 | 14.3 | 27.9 | 13.5 | 62.6 | 103.9 | 268.2 | 485.3 | 348.8 | 189.1 | 71.9 | 0.0 | 14.9 | 1600.4 |
| Ave. | 14.5 | 12.2 | 23.9 | 79.0 | 167.9 | 215.0 | 315.4 | 279.4 | 181.0 | 63.0 | 15.5 | 4.2 | 1370.8 |

Monthly Rainfall Data at Chepuwa(21317)

| Year | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1960 | 0.0 | 72.2 | 190.8 | 152.2 | 135.9 | 506.8 | 523.6 | 544.0 | 317.0 | 107.2 | 10.8 | 0.0 | 2560.5 |
| 1961 | 46.4 | 65.8 | 175.2 | 115.4 | 248.8 | 285.8 | 252.7 | 267.9 | 384.7 | 153.4 | 30.5 | 31.0 | 2057.6 |
| 1962 | 60.4 | 73.2 | 191.0 | 74.4 | 309.4 | 382.1 | 457.0 | 655.6 | 351.4 | 65.4 | 12.4 | 10.6 | 2642.9 |
| 1963 | 34.7 | 24.4 | 144.0 | 185.6 | 263.3 | 541.4 | 662.8 | 583.8 | 435.8 | 196.0 | 61.9 | 15.6 | 3149.3 |
| 1964 | 0.0 | 0.0 | 0.0 | 204.0 | 183.5 | 297.6 | 491.8 | 380.1 | 350.8 | 95.2 | 36.8 | 0.4 | 2040.2 |
| 1965 | 4.4 | 104.4 | 128.4 | 134.6 | 169.5 | 316.0 | 401.2 | 367.6 | 348.2 | 106.9 | 115.3 | 0.0 | 2196.5 |
| 1966 | 136.4 | 73.2 | 26.2 | 42.2 | 158.4 | 289.0 | 578.6 | 499.2 | 388.8 | 188.6 | 11.4 | 31.0 | 2423.0 |
| 1967 | 2.9 | 45.0 | 153.5 | 108.4 | 259.3 | 465.2 | 367.2 | 398.1 | 293.1 | 145.2 | 88.0 | 6.8 | 2332.7 |
| 1968 | 55.2 | 64.6 | 170.5 | 64.9 | 173.5 | 446.0 | 623.4 | 424.6 | 319.4 | 222.9 | 31.5 | 0.0 | 2596.5 |
| 1969 | 22.3 | 12.4 | 172.0 | 107.3 | 255.0 | 410.2 | 581.9 | 333.3 | 262.6 | 85.1 | 10.8 | 0.0 | 2252.9 |
| 1970 | 28.0 | 97.6 | 108.4 | 93.6 | 209.4 | 487.3 | 444.0 | 466.4 | 365.3 | 43.8 | 0.0 | 0.0 | 2343.8 |
| 1971 | | | | | | | | | | | | | |
| 1972 | | | | | | | | | | | | | |
| 1973 | | | | | | | | | | | | | |
| 1974 | 22.0 | 14.6 | 130.8 | 171.6 | 376.0 | 453.4 | 657.8 | 382.0 | 409.0 | 237.6 | 75.0 | 8.0 | 2937.8 |
| 1975 | 86.2 | 98.4 | 23.8 | 81.8 | 154.8 | 597.0 | 407.2 | 352.0 | 373.0 | 241.9 | 10.8 | 0.0 | 2426.9 |
| 1976 | 5.1 | 70.8 | 53.4 | 145.4 | 360.7 | 470.8 | 406.2 | 485.2 | 298.2 | 106.2 | 75.0 | 7.1 | 2484.1 |
| 1977 | 2.2 | 16.6 | 198.0 | 328.0 | 282.0 | 470.8 | 636.7 | 535.1 | 303.6 | 285.3 | 148.0 | 98.5 | 3304.8 |
| 1978 | 152.4 | 76.2 | 208.0 | 116.9 | 283.6 | 486.8 | 447.2 | 502.0 | 340.6 | 82.6 | 65.6 | 18.6 | 2780.5 |
| 1979 | 22.3 | 27.0 | 66.6 | 113.7 | 247.9 | 247.8 | 592.2 | 315.1 | 296.3 | 257.4 | 64.1 | 47.2 | 2297.6 |
| 1980 | 23.8 | 223.0 | 205.9 | 150.5 | 153.0 | 390.5 | 623.4 | 516.9 | 344.3 | 107.0 | 32.0 | 1.4 | 2771.7 |
| 1981 | 136.2 | 36.9 | 120.0 | 217.9 | 213.2 | 247.2 | 477.7 | 517.3 | 330.6 | 69.0 | 48.1 | 0.0 | 2414.1 |
| 1982 | 2.3 | 127.6 | 192.1 | 184.9 | 232.2 | 450.0 | 530.1 | 352.2 | 250.9 | 85.3 | 76.5 | 21.7 | 2505.8 |
| 1983 | 68.1 | 123.1 | 78.9 | 159.6 | 277.6 | 453.0 | 560.8 | 420.8 | 525.9 | 143.0 | 16.0 | 26.3 | 2853.1 |
| Ave. | 43.4 | 68.9 | 130.4 | 140.6 | 235.6 | 414.0 | 510.6 | 442.8 | 347.1 | 144.0 | 48.6 | 15.4 | 2541.5 |

Monthly Rainfall Data at Dingla(21325)

| Year | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|
| 1957 | 90.2 | 14.1 | 17.3 | 23.8 | 72.9 | 276.0 | 467.4 | 442.1 | 429.0 | 138.4 | 0.0 | 18.3 | 1989.5 |
| 1958 | 32.3 | 0.0 | 6.3 | 49.4 | 104.4 | 149.6 | 352.6 | 660.9 | 275.5 | 115.3 | 0.0 | 7.6 | 1753.9 |
| 1959 | 43.2 | 11.4 | 26.7 | 129.0 | 190.0 | 262.0 | 315.0 | 894.2 | 705.9 | 294.1 | 0.0 | 0.0 | 2871.5 |
| 1960 | 0.0 | 8.4 | 64.4 | 23.6 | 191.4 | 200.8 | 257.5 | 317.5 | 319.7 | 94.5 | 0.0 | 0.0 | 1477.8 |
| 1961 | 0.0 | 26.5 | 12.9 | 22.0 | 194.3 | 290.2 | 331.9 | 510.4 | 294.2 | 94.2 | 0.0 | 0.0 | 1776.6 |
| 1962 | 25.5 | 61.6 | 30.8 | 40.5 | 164.7 | 465.6 | 267.6 | 514.0 | 225.4 | 38.5 | 0.0 | 0.0 | 1834.2 |
| 1963 | 14.0 | 0.0 | 24.8 | 35.2 | 102.1 | 364.0 | 377.8 | 470.9 | 179.1 | 101.1 | 38.5 | 0.0 | 1707.5 |
| 1964 | 0.0 | 0.0 | 0.0 | 114.2 | 91.4 | 198.6 | 658.1 | 249.8 | 426.3 | 82.2 | 0.0 | 0.0 | 1820.6 |
| 1965 | 0.0 | 40.8 | 55.1 | 35.2 | 158.4 | 372.3 | 325.7 | 478.5 | 296.4 | 98.8 | 31.2 | 0.0 | 1892.4 |
| 1966 | 39.0 | 0.0 | 0.0 | 36.9 | 87.2 | 156.9 | 335.8 | 480.2 | 294.6 | 32.2 | 0.0 | 9.9 | 1472.7 |
| 1967 | 0.0 | 0.0 | 64.3 | 76.0 | 96.2 | 156.1 | 346.2 | 264.2 | 286.9 | 29.6 | 9.6 | 0.0 | 1329.1 |
| 1968 | 6.1 | 0.0 | 8.9 | 9.4 | 158.6 | 260.2 | 323.0 | 332.2 | 603.7 | 255.8 | 0.0 | 0.0 | 1957.9 |
| 1969 | 0.0 | 0.0 | 39.9 | 18.3 | 123.4 | 61.3 | 330.8 | 293.9 | 188.9 | 61.3 | 0.0 | 0.0 | 1117.8 |
| 1970 | 5.4 | 39.7 | 10.4 | 74.5 | 9.4 | 408.8 | 610.9 | 213.2 | 385.2 | 35.0 | 14.2 | 0.0 | 1806.7 |
| 1971 | 0.0 | 0.0 | 34.7 | 98.0 | 213.4 | 390.1 | 298.4 | 369.0 | 324.0 | 152.4 | 34.0 | 0.0 | 1914.0 |
| 1972 | 6.0 | 6.7 | 51.0 | 285.0 | 322.5 | 223.7 | 242.9 | 120.5 | 267.4 | 68.6 | 18.2 | 0.0 | 1612.5 |
| 1973 | 0.0 | 18.4 | 37.0 | 62.2 | 253.7 | 425.5 | 369.4 | 396.8 | 258.9 | 206.7 | 12.4 | 0.0 | 2041.0 |
| 1974 | 17.6 | 0.0 | 30.3 | 171.6 | 172.8 | 442.0 | 554.6 | 716.6 | 209.3 | 221.6 | 0.0 | 6.0 | 2542.4 |
| 1975 | 19.1 | 29.5 | 0.0 | 41.0 | 176.7 | 347.6 | 513.4 | 151.1 | 583.4 | 148.1 | 0.0 | 2.4 | 2012.3 |
| 1976 | 29.6 | 7.2 | 0.0 | 65.7 | 254.1 | 360.2 | 455.5 | 333.3 | 50.3 | 2.1 | 0.0 | 0.0 | 1558.0 |
| 1977 | 0.0 | 0.0 | 43.6 | 86.5 | 170.4 | 160.4 | 386.6 | 476.3 | 330.3 | 22.7 | 28.0 | 47.9 | 1752.7 |
| 1978 | 6.9 | 2.1 | 73.6 | 79.0 | 243.0 | 308.1 | 467.6 | 303.6 | 316.8 | 78.5 | 11.5 | 9.6 | 1900.3 |
| 1979 | 0.0 | 26.2 | 0.0 | 108.2 | 154.8 | 487.4 | 338.1 | 438.1 | 433.3 | 162.6 | 13.5 | 55.6 | 2217.8 |
| 1980 | 0.0 | 7.1 | 50.3 | 47.6 | 229.1 | 223.6 | 265.6 | 330.8 | 497.0 | 124.0 | 19.0 | 0.0 | 1794.1 |
| 1981 | 30.1 | 0.0 | 50.2 | 88.8 | 263.9 | 254.8 | 550.4 | 455.1 | 273.0 | 27.8 | 13.9 | 0.0 | 2008.0 |
| 1982 | 0.0 | 20.3 | 25.4 | 104.0 | 113.7 | 474.2 | 302.0 | 188.3 | 313.4 | 138.0 | 44.9 | 0.0 | 1724.2 |
| 1983 | 17.0 | 4.8 | 21.9 | 74.5 | 234.7 | 309.2 | 603.1 | 292.1 | 358.0 | 62.0 | 0.0 | 16.6 | 1993.9 |
| Ave. | 14.1 | 12.0 | 28.9 | 74.1 | 168.4 | 297.4 | 394.4 | 396.1 | 338.0 | 106.9 | 10.7 | 6.4 | 1847.4 |

C. OPTIMIZATION STUDY DATA

C. OPTIMIZATION STUDY DATA

| | Page |
|---------------------------------------|------|
| C.1 Power/Energy Demand & Sales | C-1 |
| C.2 Disbursement Schedule | C-16 |
| C.3 Discounted Cash Flow Method | C-36 |

| Power/Energy Demand & Sales | | | | | | | | | | | |
|--|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|
| CASE- I -60 , II -60 Pmax. = 149.4MW N= 3 | | | | | | | | | | | |
| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | |
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) |
| 1987 | 635.0 | | 141.1 | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | |
| 1989 | 787.0 | | 177.4 | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 870.1 | 0.0 | 870.1 | 99.6 | 179.0 | 691.1 | 52.0 |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 870.1 | 0.0 | 870.1 | 99.6 | 256.0 | 614.1 | 69.0 |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 870.1 | 0.0 | 870.1 | 99.6 | 333.0 | 537.1 | 86.1 |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 1303.5 | 0.0 | 1303.5 | 149.4 | 415.0 | 888.5 | 104.2 |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 1303.5 | 0.0 | 1303.5 | 149.4 | 500.0 | 803.5 | 123.2 |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1303.5 | 0.0 | 1303.5 | 149.4 | 588.0 | 715.5 | 143.0 |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1303.5 | 0.0 | 1303.5 | 149.4 | 680.0 | 623.5 | 149.4 |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1303.5 | 0.0 | 1303.5 | 149.4 | 776.0 | 527.5 | 149.4 |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1303.5 | 0.0 | 1303.5 | 149.4 | 876.0 | 427.5 | 149.4 |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1303.5 | 0.0 | 1303.5 | 149.4 | 980.0 | 323.5 | 149.4 |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1089.0 | 214.5 | 149.4 |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1201.0 | 102.5 | 149.4 |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1303.5 | 0.0 | 149.4 |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1303.5 | 0.0 | 149.4 |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1303.5 | 0.0 | 149.4 |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1303.5 | 0.0 | 149.4 |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1303.5 | 0.0 | 149.4 |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1303.5 | 0.0 | 149.4 |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1303.5 | 0.0 | 149.4 |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1303.5 | 0.0 | 149.4 |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1303.5 | 0.0 | 1303.5 | 149.4 | 1303.5 | 0.0 | 149.4 |

Power/Energy Demand & Sales CASE- 1-70, II-70
Pmax. = 174.9MW N= 3

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) |
| 1987 | 635.0 | | 141.1 | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | |
| 1989 | 787.0 | | 177.4 | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 1015.1 | 0.0 | 1015.1 | 116.6 | 179.0 | 836.1 | 52.0 |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 1015.1 | 0.0 | 1015.1 | 116.6 | 256.0 | 759.1 | 69.0 |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 1015.1 | 0.0 | 1015.1 | 116.6 | 333.0 | 682.1 | 86.1 |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 1015.1 | 0.0 | 1015.1 | 116.6 | 415.0 | 600.1 | 104.2 |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 1514.4 | 0.0 | 1514.4 | 174.9 | 500.0 | 1014.4 | 123.2 |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1514.4 | 0.0 | 1514.4 | 174.9 | 588.0 | 926.4 | 143.0 |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1514.4 | 0.0 | 1514.4 | 174.9 | 680.0 | 834.4 | 163.7 |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1514.4 | 0.0 | 1514.4 | 174.9 | 776.0 | 738.4 | 174.9 |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1514.4 | 0.0 | 1514.4 | 174.9 | 876.0 | 638.4 | 174.9 |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1514.4 | 0.0 | 1514.4 | 174.9 | 980.0 | 534.4 | 174.9 |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1514.4 | 0.0 | 1514.4 | 174.9 | 1089.0 | 425.4 | 174.9 |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1514.4 | 0.0 | 1514.4 | 174.9 | 1201.0 | 313.4 | 174.9 |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1514.4 | 0.0 | 1514.4 | 174.9 | 1318.0 | 196.4 | 174.9 |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1514.4 | 0.0 | 1514.4 | 174.9 | 1440.0 | 74.4 | 174.9 |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1514.4 | 0.0 | 1514.4 | 174.9 | 1514.4 | 0.0 | 174.9 |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1514.4 | 0.0 | 1514.4 | 174.9 | 1514.4 | 0.0 | 174.9 |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1514.4 | 0.0 | 1514.4 | 174.9 | 1514.4 | 0.0 | 174.9 |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1514.4 | 0.0 | 1514.4 | 174.9 | 1514.4 | 0.0 | 174.9 |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1514.4 | 0.0 | 1514.4 | 174.9 | 1514.4 | 0.0 | 174.9 |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1514.4 | 0.0 | 1514.4 | 149.4 | 1514.4 | 0.0 | 149.4 |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1514.4 | 0.0 | 1514.4 | 149.4 | 1514.4 | 0.0 | 149.4 |

Power/Energy Demand & Sales CASE- I-80 , I-80
Pmax. = 201.0MW N= 3

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|--|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | |
| 1987 | 635.0 | | 141.1 | | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | | |
| 1989 | 787.4 | | 177.4 | | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 1159.7 | 0.0 | 1159.7 | 134.0 | 179.0 | 980.7 | 52.0 | |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 1159.7 | 0.0 | 1159.7 | 134.0 | 256.0 | 903.7 | 69.0 | |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 1159.7 | 0.0 | 1159.7 | 134.0 | 333.0 | 826.7 | 86.1 | |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 1159.7 | 0.0 | 1159.7 | 134.0 | 415.0 | 744.7 | 104.2 | |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 1159.7 | 0.0 | 1159.7 | 134.0 | 500.0 | 659.7 | 123.2 | |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1721.6 | 0.0 | 1721.6 | 201.0 | 588.0 | 1133.6 | 143.0 | |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1721.6 | 0.0 | 1721.6 | 201.0 | 680.0 | 1041.6 | 163.7 | |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1721.6 | 0.0 | 1721.6 | 201.0 | 776.0 | 945.6 | 185.4 | |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1721.6 | 0.0 | 1721.6 | 201.0 | 876.0 | 845.6 | 201.0 | |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1721.6 | 0.0 | 1721.6 | 201.0 | 980.0 | 741.6 | 201.0 | |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1089.0 | 632.6 | 201.0 | |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1201.0 | 520.6 | 201.0 | |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1318.0 | 403.6 | 201.0 | |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1440.0 | 281.6 | 201.0 | |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1567.0 | 154.6 | 201.0 | |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1699.0 | 22.6 | 201.0 | |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1721.6 | 0.0 | 201.0 | |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1721.6 | 0.0 | 201.0 | |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1721.6 | 0.0 | 201.0 | |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1721.6 | 0.0 | 201.0 | |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1721.6 | 0.0 | 1721.6 | 201.0 | 1721.6 | 0.0 | 201.0 | |

Power/Energy Demand & Sales

CASE: I-90, II-90
Pmax. = 224.8MW N= 4

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) |
| 1987 | 635.0 | | | | | | | | | | |
| 1988 | 710.0 | | 141.1 | | | | | | | | |
| 1989 | 787.0 | | 157.7 | | | | | | | | |
| 1990 | 870.0 | | 177.4 | | | | | | | | |
| 1991 | 946.0 | | 196.3 | | | | | | | | |
| 1992 | 1038.0 | | 213.3 | | | | | | | | |
| 1993 | 1128.0 | | 233.8 | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 241.0 | 52.0 | 978.8 | 0.0 | 978.8 | 112.4 | 179.0 | 799.8 | 52.0 |
| 1995 | 1384.0 | 256.0 | 293.0 | 69.0 | 978.8 | 0.0 | 978.8 | 112.4 | 256.0 | 722.8 | 69.0 |
| 1996 | 1461.0 | 333.0 | 310.0 | 86.1 | 978.8 | 0.0 | 978.8 | 112.4 | 333.0 | 645.8 | 86.1 |
| 1997 | 1543.0 | 415.0 | 327.1 | 104.2 | 1462.1 | 0.0 | 1462.1 | 168.6 | 415.0 | 1047.1 | 104.2 |
| 1998 | 1628.0 | 500.0 | 345.2 | 123.2 | 1462.1 | 0.0 | 1462.1 | 168.6 | 500.0 | 962.1 | 123.2 |
| 1999 | 1716.0 | 588.0 | 364.2 | 143.0 | 1462.1 | 0.0 | 1462.1 | 168.6 | 588.0 | 874.1 | 143.0 |
| 2000 | 1808.0 | 680.0 | 384.0 | 163.7 | 1863.2 | 58.9 | 1922.1 | 224.8 | 680.0 | 1242.1 | 163.7 |
| 2001 | 1904.0 | 776.0 | 404.7 | 185.4 | 1863.2 | 58.9 | 1922.1 | 224.8 | 776.0 | 1146.1 | 185.4 |
| 2002 | 2004.0 | 876.0 | 426.4 | 208.3 | 1863.2 | 58.9 | 1922.1 | 224.8 | 876.0 | 1046.1 | 208.3 |
| 2003 | 2108.0 | 980.0 | 449.3 | 232.3 | 1863.2 | 58.9 | 1922.1 | 224.8 | 980.0 | 942.1 | 224.8 |
| 2004 | 2217.0 | 1089.0 | 473.3 | 257.5 | 1863.2 | 58.9 | 1922.1 | 224.8 | 1089.0 | 833.1 | 224.8 |
| 2005 | 2329.0 | 1201.0 | 498.5 | 283.8 | 1863.2 | 58.9 | 1922.1 | 224.8 | 1201.0 | 721.1 | 224.8 |
| 2006 | 2446.0 | 1318.0 | 524.8 | 311.3 | 1863.2 | 58.9 | 1922.1 | 224.8 | 1318.0 | 604.1 | 224.8 |
| 2007 | 2568.0 | 1440.0 | 552.3 | 340.1 | 1863.2 | 58.9 | 1922.1 | 224.8 | 1440.0 | 482.1 | 224.8 |
| 2008 | 2695.0 | 1567.0 | 581.1 | 370.5 | 1863.2 | 58.9 | 1922.1 | 224.8 | 1567.0 | 355.1 | 224.8 |
| 2009 | 2827.0 | 1699.0 | 611.5 | 401.5 | 1863.2 | 58.9 | 1922.1 | 224.8 | 1699.0 | 223.1 | 224.8 |
| 2010 | 2965.0 | 1837.0 | 642.5 | 434.3 | 1863.2 | 58.9 | 1922.1 | 224.8 | 1837.0 | 85.1 | 224.8 |
| 2011 | 3109.0 | 1981.0 | 675.3 | 458.4 | 1863.2 | 58.9 | 1922.1 | 224.8 | 1981.0 | 58.9 | 224.8 |
| 2012 | 3258.0 | 2130.0 | 709.4 | 504.0 | 1863.2 | 58.9 | 1922.1 | 224.8 | 2130.0 | 58.9 | 224.8 |
| 2013 | 3413.0 | 2285.0 | 745.0 | 541.1 | 1863.2 | 58.9 | 1922.1 | 224.8 | 2285.0 | 58.9 | 224.8 |
| 2014 | 3574.0 | 2446.0 | 782.1 | 579.7 | 1863.2 | 58.9 | 1922.1 | 224.8 | 2446.0 | 58.9 | 224.8 |

Power/Energy Demand & Sales CASE- I-100 . I-100
Pmax. = 250.4MW N= 4

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) |
| 1987 | 635.0 | | | | | | | | | | |
| 1988 | 710.0 | | 141.1 | | | | | | | | |
| 1989 | 787.0 | | 157.7 | | | | | | | | |
| 1990 | 870.0 | | 177.4 | | | | | | | | |
| 1991 | 946.0 | | 196.3 | | | | | | | | |
| 1992 | 1038.0 | | 213.3 | | | | | | | | |
| 1993 | 1128.0 | | 233.8 | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 241.0 | | 1087.5 | 0.0 | 1087.5 | 125.2 | 179.0 | 908.5 | 52.0 |
| 1995 | 1384.0 | 256.0 | 293.0 | | 1087.5 | 0.0 | 1087.5 | 125.2 | 256.0 | 831.5 | 69.0 |
| 1996 | 1461.0 | 333.0 | 310.0 | | 1087.5 | 0.0 | 1087.5 | 125.2 | 333.0 | 754.5 | 86.1 |
| 1997 | 1543.0 | 415.0 | 327.1 | | 1087.5 | 0.0 | 1087.5 | 125.2 | 415.0 | 672.5 | 104.2 |
| 1998 | 1628.0 | 500.0 | 345.2 | | 1087.5 | 0.0 | 1087.5 | 125.2 | 500.0 | 1118.5 | 123.2 |
| 1999 | 1716.0 | 588.0 | 364.2 | | 1618.5 | 0.0 | 1618.5 | 187.8 | 588.0 | 1030.5 | 143.0 |
| 2000 | 1808.0 | 680.0 | 384.0 | | 1618.5 | 0.0 | 1618.5 | 187.8 | 680.0 | 938.5 | 163.7 |
| 2001 | 1904.0 | 776.0 | 404.7 | | 1618.5 | 0.0 | 1618.5 | 187.8 | 776.0 | 1330.2 | 185.4 |
| 2002 | 2004.0 | 876.0 | 426.4 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 876.0 | 1230.2 | 208.3 |
| 2003 | 2108.0 | 980.0 | 449.3 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 980.0 | 1126.2 | 232.3 |
| 2004 | 2217.0 | 1089.0 | 473.3 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1089.0 | 1017.2 | 250.4 |
| 2005 | 2329.0 | 1201.0 | 498.5 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1201.0 | 905.2 | 250.4 |
| 2006 | 2446.0 | 1318.0 | 524.8 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1318.0 | 788.2 | 250.4 |
| 2007 | 2568.0 | 1440.0 | 552.3 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1440.0 | 666.2 | 250.4 |
| 2008 | 2695.0 | 1567.0 | 581.1 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1567.0 | 539.2 | 250.4 |
| 2009 | 2827.0 | 1699.0 | 611.5 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1699.0 | 407.2 | 250.4 |
| 2010 | 2965.0 | 1837.0 | 642.5 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1837.0 | 269.2 | 250.4 |
| 2011 | 3109.0 | 1981.0 | 675.3 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1981.0 | 243.0 | 250.4 |
| 2012 | 3258.0 | 2130.0 | 709.4 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1863.2 | 243.0 | 250.4 |
| 2013 | 3413.0 | 2285.0 | 745.0 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1863.2 | 243.0 | 250.4 |
| 2014 | 3574.0 | 2446.0 | 782.1 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1863.2 | 243.0 | 250.4 |
| | | | 820.7 | | 1863.2 | 243.0 | 2106.2 | 250.4 | 1863.2 | 243.0 | 250.4 |

Power/Energy Demand & Sales

CASE 1-80-830

Pmax. = 193.8MW N= 3

| Year | System Demand | | | | Supply Capacity | | | Project Sales | | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) |
| 1987 | 635.0 | | | | | | | | | | |
| 1988 | 710.0 | | 141.1 | | | | | | | | |
| 1989 | 787.0 | | 157.7 | | | | | | | | |
| 1990 | 870.0 | | 177.4 | | | | | | | | |
| 1991 | 946.0 | | 196.3 | | | | | | | | |
| 1992 | 1038.0 | | 213.3 | | | | | | | | |
| 1993 | 1128.0 | | 233.8 | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 241.0 | | | | | | | | |
| 1995 | 1384.0 | 256.0 | 293.0 | 52.0 | 1119.4 | 0.0 | 1119.4 | 129.2 | 179.0 | 940.4 | 52.0 |
| 1996 | 1461.0 | 333.0 | 310.0 | 69.0 | 1119.4 | 0.0 | 1119.4 | 129.2 | 256.0 | 863.4 | 69.0 |
| 1997 | 1543.0 | 415.0 | 327.1 | 86.1 | 1119.4 | 0.0 | 1119.4 | 129.2 | 333.0 | 786.4 | 86.1 |
| 1998 | 1628.0 | 500.0 | 345.2 | 104.2 | 1119.4 | 0.0 | 1119.4 | 129.2 | 415.0 | 704.4 | 104.2 |
| 1999 | 1716.0 | 588.0 | 364.2 | 123.2 | 1119.4 | 0.0 | 1119.4 | 129.2 | 500.0 | 619.4 | 123.2 |
| 2000 | 1808.0 | 680.0 | 384.0 | 143.0 | 1661.8 | 0.0 | 1661.8 | 193.8 | 588.0 | 1073.8 | 143.0 |
| 2001 | 1904.0 | 776.0 | 404.7 | 163.7 | 1661.8 | 0.0 | 1661.8 | 193.8 | 680.0 | 981.8 | 163.7 |
| 2002 | 2004.0 | 876.0 | 426.4 | 185.4 | 1661.8 | 0.0 | 1661.8 | 193.8 | 776.0 | 885.8 | 185.4 |
| 2003 | 2108.0 | 980.0 | 449.3 | 208.3 | 1661.8 | 0.0 | 1661.8 | 193.8 | 876.0 | 785.8 | 193.8 |
| 2004 | 2217.0 | 1089.0 | 473.3 | 232.3 | 1661.8 | 0.0 | 1661.8 | 193.8 | 980.0 | 681.8 | 193.8 |
| 2005 | 2329.0 | 1201.0 | 498.5 | 257.5 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1089.0 | 572.8 | 193.8 |
| 2006 | 2446.0 | 1318.0 | 524.8 | 283.8 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1201.0 | 460.8 | 193.8 |
| 2007 | 2568.0 | 1440.0 | 552.3 | 311.3 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1318.0 | 343.8 | 193.8 |
| 2008 | 2695.0 | 1567.0 | 581.1 | 340.1 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1440.0 | 221.8 | 193.8 |
| 2009 | 2827.0 | 1699.0 | 611.5 | 370.5 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1567.0 | 94.8 | 193.8 |
| 2010 | 2965.0 | 1837.0 | 642.5 | 401.5 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1661.8 | 0.0 | 193.8 |
| 2011 | 3109.0 | 1981.0 | 675.3 | 434.3 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1661.8 | 0.0 | 193.8 |
| 2012 | 3258.0 | 2130.0 | 709.4 | 468.4 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1661.8 | 0.0 | 193.8 |
| 2013 | 3413.0 | 2285.0 | 745.0 | 504.0 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1661.8 | 0.0 | 193.8 |
| 2014 | 3574.0 | 2446.0 | 782.1 | 541.1 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1661.8 | 0.0 | 193.8 |
| | | | 820.7 | 579.7 | 1661.8 | 0.0 | 1661.8 | 193.8 | 1661.8 | 0.0 | 193.8 |

Power/Energy Demand & Sales CASE- I-80-855
P_{max.} = 211.2MW N= 3

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|--|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | |
| 1987 | 635.0 | | 141.1 | | | | | | | | | |
| 1988 | 710.0 | 179.0 | 157.7 | 52.0 | 1220.1 | 0.0 | 1220.1 | 140.8 | 179.0 | 1041.1 | 52.0 | |
| 1989 | 787.0 | 256.0 | 177.4 | 69.0 | 1220.1 | 0.0 | 1220.1 | 140.8 | 256.0 | 964.1 | 69.0 | |
| 1990 | 870.0 | 333.0 | 196.3 | 86.1 | 1220.1 | 0.0 | 1220.1 | 140.8 | 333.0 | 887.1 | 86.1 | |
| 1991 | 946.0 | 415.0 | 213.3 | 104.2 | 1220.1 | 0.0 | 1220.1 | 140.8 | 415.0 | 805.1 | 104.2 | |
| 1992 | 1038.0 | 500.0 | 233.8 | 123.2 | 1220.1 | 0.0 | 1220.1 | 140.8 | 500.0 | 720.1 | 123.2 | |
| 1993 | 1128.0 | 588.0 | 241.0 | 143.0 | 1811.3 | 0.0 | 1811.3 | 211.2 | 588.0 | 1223.3 | 143.0 | |
| 1994 | 1307.0 | 680.0 | 293.0 | 163.7 | 1811.3 | 0.0 | 1811.3 | 211.2 | 680.0 | 1131.3 | 163.7 | |
| 1995 | 1384.0 | 776.0 | 310.0 | 185.4 | 1811.3 | 0.0 | 1811.3 | 211.2 | 776.0 | 1035.3 | 185.4 | |
| 1996 | 1461.0 | 876.0 | 327.1 | 208.3 | 1811.3 | 0.0 | 1811.3 | 211.2 | 876.0 | 935.3 | 208.3 | |
| 1997 | 1543.0 | 980.0 | 345.2 | 232.3 | 1811.3 | 0.0 | 1811.3 | 211.2 | 980.0 | 831.3 | 211.2 | |
| 1998 | 1628.0 | 1089.0 | 364.2 | 257.5 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1089.0 | 722.3 | 211.2 | |
| 1999 | 1716.0 | 1201.0 | 384.0 | 283.8 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1201.0 | 610.3 | 211.2 | |
| 2000 | 1808.0 | 1318.0 | 404.7 | 311.3 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1318.0 | 493.3 | 211.2 | |
| 2001 | 1904.0 | 1440.0 | 426.4 | 340.1 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1440.0 | 371.3 | 211.2 | |
| 2002 | 2004.0 | 1567.0 | 449.3 | 370.5 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1567.0 | 244.3 | 211.2 | |
| 2003 | 2108.0 | 1699.0 | 473.3 | 401.5 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1699.0 | 112.3 | 211.2 | |
| 2004 | 2217.0 | 1837.0 | 498.5 | 434.3 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |
| 2005 | 2329.0 | 1981.0 | 524.8 | 468.4 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |
| 2006 | 2446.0 | 2095.0 | 552.3 | 504.0 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |
| 2007 | 2568.0 | 2287.0 | 581.1 | 541.1 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |
| 2008 | 2695.0 | 2446.0 | 611.5 | 579.7 | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |
| 2009 | 2827.0 | 2568.0 | 642.5 | | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |
| 2010 | 2965.0 | 1837.0 | 675.3 | | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |
| 2011 | 3109.0 | 1981.0 | 709.4 | | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |
| 2012 | 3258.0 | 2130.0 | 745.0 | | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |
| 2013 | 3413.0 | 2285.0 | 782.1 | | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |
| 2014 | 3574.0 | 2446.0 | 820.7 | | 1811.3 | 0.0 | 1811.3 | 211.2 | 1811.3 | 0.0 | 211.2 | |

Power/Energy Demand & Sales

CASE: 1-80-875
Pmax.: 223.6MW N= 4

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|--|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | |
| 1987 | 635.0 | | 141.1 | | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | | |
| 1989 | 787.0 | | 177.4 | | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 975.8 | 0.0 | 975.8 | 111.8 | 179.0 | 796.8 | 52.0 | |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 975.8 | 0.0 | 975.8 | 111.8 | 256.0 | 719.8 | 69.0 | |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 975.8 | 0.0 | 975.8 | 111.8 | 333.0 | 642.8 | 86.1 | |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 1461.9 | 0.0 | 1461.9 | 167.7 | 415.0 | 1046.9 | 104.2 | |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 1461.9 | 0.0 | 1461.9 | 167.7 | 500.0 | 961.9 | 123.2 | |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1461.9 | 0.0 | 1461.9 | 167.7 | 588.0 | 873.9 | 143.0 | |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1930.8 | 0.0 | 1930.8 | 223.6 | 680.0 | 1250.8 | 163.7 | |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1930.8 | 0.0 | 1930.8 | 223.6 | 776.0 | 1154.8 | 185.4 | |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1930.8 | 0.0 | 1930.8 | 223.6 | 876.0 | 1054.8 | 208.3 | |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1930.8 | 0.0 | 1930.8 | 223.6 | 980.0 | 950.8 | 223.6 | |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1089.0 | 841.8 | 223.6 | |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1201.0 | 729.8 | 223.6 | |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1318.0 | 612.8 | 223.6 | |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1440.0 | 490.8 | 223.6 | |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1567.0 | 363.8 | 223.6 | |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1699.0 | 231.8 | 223.6 | |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1837.0 | 93.8 | 223.6 | |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1930.8 | 0.0 | 223.6 | |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1930.8 | 0.0 | 223.6 | |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1930.8 | 0.0 | 223.6 | |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1930.8 | 0.0 | 1930.8 | 223.6 | 1930.8 | 0.0 | 223.6 | |

Power/Energy Demand & Sales

CASE- I-80-S

Pmax. = 149.1MW N= 3

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) |
| 1987 | 635.0 | | 141.1 | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | |
| 1989 | 787.0 | | 177.4 | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 865.8 | 0.0 | 865.8 | 99.4 | 179.0 | 686.8 | 52.0 |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 865.8 | 0.0 | 865.8 | 99.4 | 256.0 | 609.8 | 69.0 |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 865.8 | 0.0 | 865.8 | 99.4 | 333.0 | 532.8 | 86.1 |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 865.8 | 0.0 | 865.8 | 99.4 | 415.0 | 450.8 | 99.4 |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 865.8 | 0.0 | 865.8 | 99.4 | 500.0 | 365.8 | 99.4 |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1285.2 | 0.0 | 1285.2 | 149.1 | 588.0 | 697.2 | 143.0 |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1285.2 | 0.0 | 1285.2 | 149.1 | 680.0 | 605.2 | 149.1 |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1285.2 | 0.0 | 1285.2 | 149.1 | 776.0 | 509.2 | 149.1 |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1285.2 | 0.0 | 1285.2 | 149.1 | 876.0 | 409.2 | 149.1 |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1285.2 | 0.0 | 1285.2 | 149.1 | 980.0 | 305.2 | 149.1 |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1089.0 | 196.2 | 149.1 |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1201.0 | 84.2 | 149.1 |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1285.2 | 0.0 | 149.1 |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1285.2 | 0.0 | 149.1 |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1285.2 | 0.0 | 149.1 |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1285.2 | 0.0 | 149.1 |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1285.2 | 0.0 | 149.1 |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1285.2 | 0.0 | 149.1 |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1285.2 | 0.0 | 149.1 |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1285.2 | 0.0 | 149.1 |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1285.2 | 0.0 | 1285.2 | 149.1 | 1285.2 | 0.0 | 149.1 |

Power/Energy Demand & Sales

CASE - I-80-K
Pmax. = 211.8MW No 3

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|--|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | |
| 1987 | 635.0 | | 141.1 | | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | | |
| 1989 | 787.0 | | 177.4 | | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 1220.1 | 0.0 | 1220.1 | 141.2 | 179.0 | 1041.1 | 52.0 | |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 1220.1 | 0.0 | 1220.1 | 141.2 | 256.0 | 964.1 | 69.0 | |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 1220.1 | 0.0 | 1220.1 | 141.2 | 333.0 | 887.1 | 86.1 | |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 1220.1 | 0.0 | 1220.1 | 141.2 | 415.0 | 805.1 | 104.2 | |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 1220.1 | 0.0 | 1220.1 | 141.2 | 500.0 | 720.1 | 123.2 | |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1811.3 | 0.0 | 1811.3 | 211.8 | 588.0 | 1223.3 | 143.0 | |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1811.3 | 0.0 | 1811.3 | 211.8 | 680.0 | 1131.3 | 163.7 | |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1811.3 | 0.0 | 1811.3 | 211.8 | 776.0 | 1035.3 | 185.4 | |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1811.3 | 0.0 | 1811.3 | 211.8 | 876.0 | 935.3 | 208.3 | |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1811.3 | 0.0 | 1811.3 | 211.8 | 980.0 | 831.3 | 211.8 | |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1089.0 | 722.3 | 211.8 | |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1201.0 | 610.3 | 211.8 | |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1318.0 | 493.3 | 211.8 | |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1440.0 | 371.3 | 211.8 | |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1567.0 | 244.3 | 211.8 | |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1699.0 | 112.3 | 211.8 | |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1811.3 | 0.0 | 211.8 | |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1811.3 | 0.0 | 211.8 | |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1811.3 | 0.0 | 211.8 | |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1811.3 | 0.0 | 211.8 | |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1811.3 | 0.0 | 1811.3 | 211.8 | 1811.3 | 0.0 | 211.8 | |

Power/Energy Demand & Sales CASE- III -120
P_{max} = 298.8MW N= 6

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|--|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | |
| 1987 | 635.0 | | 141.1 | | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | | |
| 1989 | 787.0 | | 177.4 | | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 870.1 | 0.0 | 870.1 | 99.6 | 179.0 | 691.1 | 52.0 | |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 870.1 | 0.0 | 870.1 | 99.6 | 256.0 | 614.1 | 69.0 | |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 870.1 | 0.0 | 870.1 | 99.6 | 333.0 | 537.1 | 86.1 | |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 1303.5 | 0.0 | 1303.5 | 149.4 | 415.0 | 888.5 | 104.2 | |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 1303.5 | 0.0 | 1303.5 | 149.4 | 500.0 | 803.5 | 123.2 | |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1863.2 | 568.1 | 2431.3 | 298.8 | 588.0 | 1843.3 | 143.0 | |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1863.2 | 568.1 | 2431.3 | 298.8 | 680.0 | 1751.3 | 163.7 | |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1863.2 | 568.1 | 2431.3 | 298.8 | 776.0 | 1655.3 | 185.4 | |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1863.2 | 568.1 | 2431.3 | 298.8 | 876.0 | 1555.3 | 208.3 | |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1863.2 | 568.1 | 2431.3 | 298.8 | 980.0 | 1451.3 | 232.3 | |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1863.2 | 568.1 | 2431.3 | 298.8 | 1089.0 | 1342.3 | 257.5 | |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1863.2 | 568.1 | 2431.3 | 298.8 | 1201.0 | 1230.3 | 283.8 | |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1863.2 | 568.1 | 2431.3 | 298.8 | 1318.0 | 1113.3 | 298.8 | |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1863.2 | 568.1 | 2431.3 | 298.8 | 1440.0 | 991.3 | 298.8 | |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1863.2 | 568.1 | 2431.3 | 298.8 | 1567.0 | 864.3 | 298.8 | |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1863.2 | 568.1 | 2431.3 | 298.8 | 1699.0 | 732.3 | 298.8 | |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1863.2 | 568.1 | 2431.3 | 298.8 | 1837.0 | 594.3 | 298.8 | |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1863.2 | 568.1 | 2431.3 | 298.8 | 1981.0 | 568.1 | 298.8 | |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1863.2 | 568.1 | 2431.3 | 298.8 | 2130.0 | 568.1 | 298.8 | |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1863.2 | 568.1 | 2431.3 | 298.8 | 2285.0 | 568.1 | 298.8 | |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1863.2 | 568.1 | 2431.3 | 298.8 | 2446.0 | 568.1 | 298.8 | |

Power/Energy Demand & Sales CASE- III-140
P_{max} = 349.8MW N= 6

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|--|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | |
| 1987 | 635.0 | | 141.1 | | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | | |
| 1989 | 787.0 | | 177.4 | | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 1015.1 | 0.0 | 1015.1 | 116.6 | 179.0 | 836.1 | 52.0 | |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 1015.1 | 0.0 | 1015.1 | 116.6 | 256.0 | 759.1 | 69.0 | |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 1015.1 | 0.0 | 1015.1 | 116.6 | 333.0 | 682.1 | 86.1 | |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 1015.1 | 0.0 | 1015.1 | 116.6 | 415.0 | 600.1 | 104.2 | |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 1514.4 | 0.0 | 1514.4 | 174.9 | 500.0 | 1014.4 | 123.2 | |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1863.2 | 847.4 | 2710.6 | 349.8 | 588.0 | 2122.6 | 143.0 | |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1863.2 | 847.4 | 2710.6 | 349.8 | 680.0 | 2030.6 | 163.7 | |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1863.2 | 847.4 | 2710.6 | 349.8 | 776.0 | 1934.6 | 185.4 | |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1863.2 | 847.4 | 2710.6 | 349.8 | 876.0 | 1834.6 | 208.3 | |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1863.2 | 847.4 | 2710.6 | 349.8 | 980.0 | 1730.6 | 232.3 | |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1089.0 | 1621.6 | 257.5 | |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1201.0 | 1509.6 | 283.8 | |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1318.0 | 1392.6 | 311.3 | |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1440.0 | 1270.6 | 340.1 | |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1567.0 | 1143.6 | 349.8 | |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1699.0 | 1011.6 | 349.8 | |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1837.0 | 873.6 | 349.8 | |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1863.2 | 847.4 | 349.8 | |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1863.2 | 847.4 | 349.8 | |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1863.2 | 847.4 | 349.8 | |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1863.2 | 847.4 | 2710.6 | 349.8 | 1863.2 | 847.4 | 349.8 | |

Power/Energy Demand & Sales

CASE- III-160
Pmax. = 402.0MW N= 6

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|--|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | |
| 1987 | 635.0 | | 141.1 | | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | | |
| 1989 | 787.0 | | 177.4 | | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 1159.7 | 0.0 | 1159.7 | 134.0 | 179.0 | 980.7 | 52.0 | |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 1159.7 | 0.0 | 1159.7 | 134.0 | 256.0 | 903.7 | 69.0 | |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 1159.7 | 0.0 | 1159.7 | 134.0 | 333.0 | 826.7 | 86.1 | |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 1159.7 | 0.0 | 1159.7 | 134.0 | 415.0 | 744.7 | 104.2 | |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 1159.7 | 0.0 | 1159.7 | 134.0 | 500.0 | 659.7 | 123.2 | |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 588.0 | 2372.3 | 143.0 | |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 680.0 | 2280.3 | 163.7 | |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 776.0 | 2184.3 | 185.4 | |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 876.0 | 2084.3 | 208.3 | |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 980.0 | 1980.3 | 232.3 | |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 1089.0 | 1871.3 | 257.5 | |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 1201.0 | 1759.3 | 283.8 | |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 1318.0 | 1642.3 | 311.3 | |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 1440.0 | 1520.3 | 340.1 | |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 1567.0 | 1393.3 | 354.0 | |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 1699.0 | 1261.3 | 354.0 | |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 1837.0 | 1123.3 | 354.0 | |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 1981.0 | 1097.1 | 354.0 | |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 2130.0 | 1097.1 | 354.0 | |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 2285.0 | 1097.1 | 354.0 | |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1863.2 | 1097.1 | 2960.3 | 354.0 | 2446.0 | 1097.1 | 354.0 | |

Power/Energy Demand & Sales

CASE III-180
Pmax: 449.6MW N= 8

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|--|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | |
| 1987 | 635.0 | | 141.1 | | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | | |
| 1989 | 787.0 | | 177.4 | | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 978.8 | 0.0 | 978.8 | 112.4 | 179.0 | 799.8 | 52.0 | |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 978.8 | 0.0 | 978.8 | 112.4 | 256.0 | 722.8 | 69.0 | |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 978.8 | 0.0 | 978.8 | 112.4 | 333.0 | 645.8 | 86.1 | |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 1462.1 | 0.0 | 1462.1 | 168.6 | 415.0 | 1047.1 | 104.2 | |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 1462.1 | 0.0 | 1462.1 | 168.6 | 500.0 | 962.1 | 123.2 | |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1462.1 | 0.0 | 1462.1 | 168.6 | 588.0 | 874.1 | 143.0 | |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 680.0 | 2506.9 | 163.7 | |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 776.0 | 2410.9 | 185.4 | |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 876.0 | 2310.9 | 208.3 | |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 980.0 | 2206.9 | 232.3 | |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1089.0 | 2097.9 | 257.5 | |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1201.0 | 1985.9 | 283.8 | |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1318.0 | 1868.9 | 311.3 | |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1440.0 | 1746.9 | 340.1 | |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1567.0 | 1619.9 | 354.0 | |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1699.0 | 1487.9 | 354.0 | |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1837.0 | 1349.9 | 354.0 | |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1863.2 | 1323.7 | 354.0 | |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1863.2 | 1323.7 | 354.0 | |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1863.2 | 1323.7 | 354.0 | |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1863.2 | 1323.7 | 3186.9 | 354.0 | 1863.2 | 1323.7 | 354.0 | |

Power/Energy Demand & Sales CASE- III-200 P_{max} = 500.8MW N= 8

| Year | System Demand | | | | Supply Capacity | | | | Project Sales | | | |
|------|---------------------------|---------------------------------|------------------------|------------------------------|----------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------------|----------------------|--|
| | Total Energy Demand (GWH) | Incremental Energy Demand (GWH) | Total Peak Demand (MW) | Incremental Peak Demand (MW) | Firm Energy (GWH/Yr) | Secondary Energy (GWH/Yr) | Total Energy (GWH/Yr) | Firm Peak Output (MW) | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | |
| 1987 | 635.0 | | 141.1 | | | | | | | | | |
| 1988 | 710.0 | | 157.7 | | | | | | | | | |
| 1989 | 787.0 | | 177.4 | | | | | | | | | |
| 1990 | 870.0 | | 196.3 | | | | | | | | | |
| 1991 | 946.0 | | 213.3 | | | | | | | | | |
| 1992 | 1038.0 | | 233.8 | | | | | | | | | |
| 1993 | 1128.0 | | 241.0 | | | | | | | | | |
| 1994 | 1307.0 | 179.0 | 293.0 | 52.0 | 1087.5 | 0.0 | 1087.5 | 125.2 | 179.0 | 908.5 | 52.0 | |
| 1995 | 1384.0 | 256.0 | 310.0 | 69.0 | 1087.5 | 0.0 | 1087.5 | 125.2 | 256.0 | 831.5 | 69.0 | |
| 1996 | 1461.0 | 333.0 | 327.1 | 86.1 | 1087.5 | 0.0 | 1087.5 | 125.2 | 333.0 | 754.5 | 86.1 | |
| 1997 | 1543.0 | 415.0 | 345.2 | 104.2 | 1087.5 | 0.0 | 1087.5 | 125.2 | 415.0 | 672.5 | 104.2 | |
| 1998 | 1628.0 | 500.0 | 364.2 | 123.2 | 1618.5 | 0.0 | 1618.5 | 187.8 | 500.0 | 1118.5 | 123.2 | |
| 1999 | 1716.0 | 588.0 | 384.0 | 143.0 | 1618.5 | 0.0 | 1618.5 | 187.8 | 588.0 | 1030.5 | 143.0 | |
| 2000 | 1808.0 | 680.0 | 404.7 | 163.7 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 680.0 | 2716.4 | 163.7 | |
| 2001 | 1904.0 | 776.0 | 426.4 | 185.4 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 776.0 | 2620.4 | 185.4 | |
| 2002 | 2004.0 | 876.0 | 449.3 | 208.3 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 876.0 | 2520.4 | 208.3 | |
| 2003 | 2108.0 | 980.0 | 473.3 | 232.3 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 980.0 | 2416.4 | 232.3 | |
| 2004 | 2217.0 | 1089.0 | 498.5 | 257.5 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 1089.0 | 2307.4 | 257.5 | |
| 2005 | 2329.0 | 1201.0 | 524.8 | 283.8 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 1201.0 | 2195.4 | 283.8 | |
| 2006 | 2446.0 | 1318.0 | 552.3 | 311.3 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 1318.0 | 2078.4 | 311.3 | |
| 2007 | 2568.0 | 1440.0 | 581.1 | 340.1 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 1440.0 | 1956.4 | 340.1 | |
| 2008 | 2695.0 | 1567.0 | 611.5 | 370.5 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 1567.0 | 1829.4 | 354.0 | |
| 2009 | 2827.0 | 1699.0 | 642.5 | 401.5 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 1699.0 | 1697.4 | 354.0 | |
| 2010 | 2965.0 | 1837.0 | 675.3 | 434.3 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 1837.0 | 1559.4 | 354.0 | |
| 2011 | 3109.0 | 1981.0 | 709.4 | 468.4 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 1981.0 | 1533.2 | 354.0 | |
| 2012 | 3258.0 | 2130.0 | 745.0 | 504.0 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 2130.0 | 1533.2 | 354.0 | |
| 2013 | 3413.0 | 2285.0 | 782.1 | 541.1 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 2285.0 | 1533.2 | 354.0 | |
| 2014 | 3574.0 | 2446.0 | 820.7 | 579.7 | 1863.2 | 1533.2 | 3396.4 | 354.0 | 2446.0 | 1533.2 | 354.0 | |

Disbursement Schedule CASE I - GO

Construction Period T = 11 years
Maximum Output P = 149.4 MW

Unit: 1,000 US\$

| | Const. Cost 1,000 US\$ | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 |
|--|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Installed Capacity (MW) | 149.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99.6 | 99.6 | 99.6 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Cofferdam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 10200 | 0 | 0 | 0 | 0 | 2040 | 3060 | 3060 | 2040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 32500 | 0 | 0 | 0 | 3250 | 6500 | 9750 | 9750 | 3250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 2310 | 0 | 0 | 0 | 231 | 693 | 693 | 462 | 231 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 powerhouse & Switchyard | 12510 | 0 | 0 | 0 | 1251 | 2502 | 3753 | 3753 | 625 | 0 | 375 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 2830 | 0 | 0 | 0 | 0 | 566 | 1415 | 849 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 146202 | 3900 | 15881 | 17497 | 17512 | 29188 | 27861 | 24424 | 9310 | 0 | 375 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 7130 | 0 | 0 | 0 | 0 | 713 | 1426 | 2852 | 2139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 34200 | 0 | 0 | 0 | 0 | 2599 | 10396 | 7797 | 5198 | 4104 | 3283 | 820 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23625 | 0 | 5162 | 3500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 275032 | 3900 | 15881 | 17498 | 17513 | 32500 | 47560 | 82412 | 40273 | 4104 | 8821 | 4571 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5 x 7.5% | 20627 | 293 | 1191 | 1312 | 1313 | 2438 | 3567 | 6181 | 3020 | 308 | 662 | 343 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1 x 15% + (2+3+4+6) x 10% | 36876 | 614 | 2501 | 2756 | 2758 | 4953 | 6506 | 10081 | 4795 | 441 | 967 | 504 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 332535 | 4807 | 19573 | 21566 | 21584 | 39891 | 57633 | 98674 | 48088 | 4853 | 10450 | 5418 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 3601 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2401 | 2401 | 2401 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 |
| Total (Grand Total + O&M Cost) | 336136 | 4807 | 19573 | 21566 | 21584 | 39891 | 57633 | 98674 | 50489 | 7254 | 12851 | 9019 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 | 3601 |

Disbursement Schedule CASE- I -70

Construction Period T= 12 years
Maximum Output P= 174.9 MW
Unit: 1,000 US\$

| | Const. Cost. 1,000US\$ | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 |
|--|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Installed Capacity (MW) | 174.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 116.6 | 116.6 | 116.6 | 116.6 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 |
| 1. Civil Works | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-1 Access Road | | | | | | | | | | | | | | | | | | | | | | |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Coffor Dam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 11600 | 0 | 0 | 0 | 0 | 2320 | 3480 | 3480 | 2320 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 36000 | 0 | 0 | 0 | 3600 | 7200 | 10800 | 10800 | 3600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 2560 | 0 | 0 | 0 | 256 | 768 | 768 | 512 | 256 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 powerhouse & Switchyard | 14150 | 0 | 0 | 0 | 1415 | 2830 | 4245 | 4245 | 707 | 0 | 0 | 424 | 283 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 3140 | 0 | 0 | 0 | 0 | 628 | 1570 | 942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 153302 | 3900 | 15881 | 17497 | 18051 | 30633 | 30053 | 26529 | 10047 | 0 | 0 | 424 | 283 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 7900 | 0 | 0 | 0 | 0 | 790 | 1580 | 3160 | 2370 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 36100 | 0 | 0 | 0 | 0 | 2743 | 10974 | 8230 | 5487 | 0 | 4332 | 3465 | 866 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 0 | 7875 | 47537 | 23625 | 0 | 0 | 5162 | 3500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 284802 | 3900 | 15881 | 17498 | 18052 | 34167 | 50493 | 85258 | 41530 | 0 | 4332 | 9053 | 4649 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5×7.5% | 21360 | 293 | 1191 | 1312 | 1354 | 2563 | 3786 | 6394 | 3115 | 0 | 325 | 679 | 349 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1 ×15% + (2+3+4+6) ×10% | 38281 | 614 | 2501 | 2756 | 2843 | 5205 | 6930 | 10492 | 4967 | 0 | 466 | 994 | 514 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 344443 | 4807 | 19573 | 21566 | 22249 | 41935 | 61199 | 102144 | 49612 | 0 | 5123 | 10726 | 5512 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 3726 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2484 | 2484 | 2484 | 2484 | 2484 | 3726 | 3726 | 3726 | 3726 | 3726 | 3726 | 3726 | 3726 | 3726 |
| Total (Grand Total + O&M Cost) | 348169 | 4807 | 19573 | 21566 | 22249 | 41935 | 61199 | 102144 | 52096 | 2484 | 7607 | 13210 | 9238 | 3726 | 3726 | 3726 | 3726 | 3726 | 3726 | 3726 | 3726 | 3726 |

Disbursement Schedule CASE- I -80

| | Const. Cost 1,000 US\$ | Construction Period T= 13 years Maximum Output P= 201 M4 | | | | | | | | | | | | | | | | | | | | | Unit: 1,000 US\$ |
|--|---------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|
| | | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 | |
| Installed Capacity (M4) | 201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 | 134 | 134 | 134 | 134 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | | |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1-3 Diversion & Coffor Dam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1-5 Intake & Desilting Basin | 12632 | 0 | 0 | 0 | 0 | 2526 | 3789 | 3789 | 2526 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1-6 Headrace & Surge Tank | 38424 | 0 | 0 | 0 | 3842 | 7684 | 11527 | 11527 | 3842 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1-7 Penstock | 2728 | 0 | 0 | 0 | 272 | 818 | 818 | 545 | 272 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1-8 Powerhouse & Switchyard | 15769 | 0 | 0 | 0 | 1576 | 3153 | 4730 | 4730 | 788 | 0 | 0 | 0 | 473 | 315 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1-9 Tailrace Tunnel | 3345 | 0 | 0 | 0 | 0 | 669 | 1672 | 1003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Sub Total | 158750 | 3900 | 15881 | 17497 | 18472 | 31739 | 31729 | 28147 | 10593 | 0 | 0 | 0 | 473 | 315 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 2. Hydraulic Equipment | 8674 | 0 | 0 | 0 | 0 | 867 | 1734 | 3469 | 2602 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 3. Electromechanical Facilities | 38400 | 0 | 0 | 0 | 0 | 2918 | 11596 | 8716 | 5798 | 0 | 0 | 4684 | 3763 | 921 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23712 | 0 | 0 | 0 | 5162 | 3412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 5. Total Cost (1+2+3+4) | 293324 | 3900 | 15881 | 17498 | 18473 | 35525 | 52936 | 87671 | 42707 | 0 | 0 | 4685 | 9399 | 4649 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 6. Engineering & Administration 5x7.5% | 21999 | 293 | 1191 | 1312 | 1385 | 2664 | 3970 | 6575 | 3203 | 0 | 0 | 351 | 705 | 349 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 7. Physical Contingency 1x15% + (2+3+4+6) x 10% | 39470 | 614 | 2501 | 2756 | 2809 | 5406 | 7277 | 10832 | 5121 | 0 | 0 | 504 | 1034 | 516 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Grand Total (5+6+7) | 354793 | 4807 | 19573 | 21566 | 22767 | 43595 | 64183 | 105078 | 51031 | 0 | 0 | 5540 | 11138 | 5514 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| O & M Cost | 3841 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2561 | 2561 | 2561 | 2561 | 2561 | 3841 | 3841 | 3841 | 3841 | 3841 | 3841 | 3841 | 3841 | | |
| Total (Grand Total + O&M Cost) | 358634 | 4807 | 19573 | 21566 | 22767 | 43595 | 64183 | 105078 | 53592 | 2561 | 2561 | 8101 | 13699 | 9355 | 3841 | 3841 | 3841 | 3841 | 3841 | 3841 | 3841 | | |

Disbursement Schedule CASE- I -90

Construction Period T= 14 years
Maximum Output P= 224.8 MW

Unit: 1,000 US\$

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|--|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Const. Cost 1,000US\$ | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
| Installed Capacity (MW) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.4 | 112.4 | 112.4 | 168.6 | 168.6 | 168.6 | 224.8 | 224.8 | 224.8 | 224.8 | 224.8 | 224.8 | 224.8 | 224.8 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Cofferdam | 10752 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 14450 | 0 | 0 | 0 | 2890 | 4395 | 4395 | 2890 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 43050 | 0 | 0 | 4305 | 8610 | 12915 | 12915 | 4305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 3060 | 0 | 0 | 306 | 918 | 918 | 612 | 306 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 powerhouse & Switchyard | 18430 | 0 | 0 | 1843 | 3686 | 5529 | 4607 | 921 | 0 | 552 | 368 | 0 | 552 | 368 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 3750 | 0 | 0 | 0 | 750 | 1875 | 1125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 168992 | 3900 | 15881 | 17497 | 19234 | 34762 | 30145 | 11586 | 0 | 552 | 368 | 0 | 552 | 368 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 9490 | 0 | 0 | 0 | 949 | 1898 | 3796 | 2847 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 44700 | 0 | 0 | 0 | 2816 | 11219 | 8448 | 5632 | 4157 | 3907 | 849 | 4157 | 3307 | 804 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23712 | 0 | 5162 | 3412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 310282 | 3900 | 15881 | 17498 | 19235 | 55755 | 89727 | 43778 | 4157 | 9023 | 4630 | 4157 | 3861 | 1173 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 23271 | 293 | 1191 | 1312 | 1443 | 4182 | 6730 | 3283 | 312 | 677 | 347 | 312 | 290 | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency $1 \times 15\% + (2+3+4+6) \times 10\%$ | 41785 | 614 | 2501 | 2756 | 3030 | 7732 | 11153 | 5285 | 447 | 998 | 516 | 447 | 443 | 145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 375338 | 4807 | 19573 | 21566 | 23708 | 67669 | 107610 | 52346 | 4916 | 10698 | 5493 | 4916 | 4594 | 1406 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 4082 | 0 | 0 | 0 | 0 | 0 | 0 | 2041 | 2041 | 2041 | 3062 | 3062 | 3062 | 4082 | 4082 | 4082 | 4082 | 4082 | 4082 | 4082 | 4082 |
| Total (Grand Total + O&M Cost) | 379420 | 4807 | 19573 | 21566 | 23708 | 67669 | 107610 | 54387 | 6957 | 12739 | 8555 | 7978 | 7656 | 5488 | 4082 | 4082 | 4082 | 4082 | 4082 | 4082 | 4082 |

Disbursement Schedule CASE - I - 100

Construction Period T= 15 years
Maximum Output P= 250.4 Mw

Unit: 1,000 US\$

| | Const. Cost 1,000 US\$ | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 |
|--|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Installed Capacity (Mw) | 250.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125.2 | 125.2 | 125.2 | 125.2 | 187.8 | 187.8 | 187.8 | 250.4 | 250.4 | 250.4 | 250.4 | 250.4 | 250.4 | 250.4 |
| 1. Civil Works | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-1 Access Road | | | | | | | | | | | | | | | | | | | | | | |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Cofferdam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 16000 | 0 | 0 | 0 | 0 | 3200 | 4800 | 4800 | 3200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 46000 | 0 | 0 | 0 | 4600 | 9200 | 13800 | 13800 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 3270 | 0 | 0 | 0 | 327 | 981 | 981 | 654 | 327 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 powerhouse & Switchyard | 20520 | 0 | 0 | 0 | 2052 | 4104 | 6156 | 5130 | 1026 | 0 | 0 | 615 | 410 | 0 | 615 | 410 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 4000 | 0 | 0 | 0 | 0 | 800 | 2000 | 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 175642 | 3900 | 15881 | 17497 | 19759 | 35172 | 36927 | 32134 | 12316 | 0 | 0 | 615 | 410 | 0 | 615 | 410 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 10400 | 0 | 0 | 0 | 0 | 1040 | 2080 | 4160 | 3120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 46200 | 0 | 0 | 0 | 0 | 2910 | 11596 | 8685 | 5821 | 0 | 4296 | 3418 | 877 | 4296 | 3418 | 877 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 101400 | 0 | 0 | 0 | 0 | 0 | 7909 | 47556 | 23626 | 0 | 0 | 5070 | 3447 | 0 | 8213 | 5577 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 333642 | 3900 | 15881 | 17498 | 19760 | 39129 | 58513 | 92537 | 44894 | 0 | 4297 | 9104 | 4736 | 4297 | 12248 | 5865 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 25023 | 293 | 1191 | 1312 | 1482 | 2934 | 4388 | 6940 | 3366 | 0 | 322 | 683 | 355 | 322 | 919 | 515 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1x15% + (2+3+4+6)x10% | 44649 | 614 | 2501 | 2756 | 3112 | 5964 | 8136 | 11554 | 5441 | 0 | 462 | 1010 | 530 | 462 | 1347 | 759 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 403314 | 4807 | 19573 | 21566 | 24354 | 48021 | 71037 | 111031 | 53691 | 0 | 5081 | 10797 | 5621 | 5081 | 14514 | 8139 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 4409 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2205 | 2205 | 2205 | 2205 | 3307 | 3307 | 3307 | 4409 | 4409 | 4409 | 4409 | 4409 | 4409 | 4409 |
| Total (Grand Total + O&M Cost) | 407723 | 4807 | 19573 | 21566 | 24354 | 48021 | 71037 | 111031 | 55896 | 2205 | 7286 | 13002 | 8928 | 8388 | 17821 | 12548 | 4409 | 4409 | 4409 | 4409 | 4409 | 4409 |

Disbursement Schedule CASE-I-80-S30

Construction Period: 12 years
Maximum Output: P. 193.8 Mw

Unit: 1,000 US\$

| | Const. Cost 1,000 US\$ | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 |
|--|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Installed Capacity (Mw) | 193.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 129.2 | 129.2 | 129.2 | 129.2 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 |
| 1. Civil Works | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-1 Access Road | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Coffey Dam | 19800 | 0 | 0 | 0 | 1980 | 5940 | 5940 | 3960 | 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 12632 | 0 | 0 | 0 | 0 | 2526 | 3789 | 3789 | 2526 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 38424 | 0 | 0 | 0 | 0 | 3842 | 7684 | 11527 | 3842 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 2728 | 0 | 0 | 0 | 0 | 272 | 818 | 818 | 272 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 15769 | 0 | 0 | 0 | 0 | 1576 | 3153 | 4730 | 788 | 0 | 0 | 473 | 315 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 Powerhouse & Switchyard | 3345 | 0 | 0 | 0 | 0 | 0 | 669 | 1672 | 1003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 152150 | 3900 | 15881 | 17497 | 17812 | 29759 | 29749 | 28827 | 9933 | 0 | 0 | 473 | 315 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 8485 | 0 | 0 | 0 | 0 | 848 | 1697 | 3394 | 2545 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 38100 | 0 | 0 | 0 | 0 | 2895 | 11506 | 8648 | 5753 | 0 | 4648 | 3733 | 914 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 87500 | 0 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23712 | 0 | 0 | 5162 | 3412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 286235 | 3900 | 15881 | 17498 | 17813 | 33504 | 50827 | 86208 | 41945 | 0 | 4648 | 9369 | 4642 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 21468 | 293 | 1191 | 1312 | 1336 | 2513 | 3812 | 6466 | 3146 | 0 | 349 | 703 | 348 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 38378 | 614 | 2501 | 2756 | 2806 | 5090 | 6951 | 10609 | 5006 | 0 | 500 | 1031 | 515 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1x15% + (2+3+4+6)x10% | 346081 | 4807 | 19573 | 21566 | 21955 | 41107 | 61590 | 103283 | 50097 | 0 | 5497 | 11103 | 5505 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 3766 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2511 | 2511 | 2511 | 2511 | 3766 | 3766 | 3766 | 3766 | 3766 | 3766 | 3766 | 3766 | 3766 | 3766 |
| O & M Cost | 349847 | 4807 | 19573 | 21566 | 21955 | 41107 | 61590 | 103283 | 52608 | 2511 | 8008 | 13614 | 9271 | 3766 | 3766 | 3766 | 3766 | 3766 | 3766 | 3766 | 3766 | 3766 |
| Total (Grand Total + O&M Cost) | | | | | | | | | | | | | | | | | | | | | | |

Disbursement Schedule CASE- I -80-855

| | Const. Cost 1,000 US\$ | Construction Period T= | | | | | | | | | | | | | 13 years 211.2 M ₀ | | | | | | Unit: 1,000 US\$ | | | | | |
|--|---------------------------|------------------------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|----------------------------------|-------|-------|-------|-------|-------|------------------|--|--|--|--|--|
| | | Maximum Output P= | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | | | | | |
| | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | | | | | |
| Installed Capacity (M ₀) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 211.2 | 211.2 | 211.2 | 211.2 | 211.2 | 211.2 | 211.2 | 211.2 | 211.2 | | | | | |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 1-2 Preparatory Works | 9700 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 1-3 Diversion & Coffey Dam | 10752 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 1-4 Dam & Spillway | 39999 | 0 | 0 | 3999 | 11999 | 11999 | 7999 | 3999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 1-5 Intake & Desilting Basin | 15532 | 0 | 0 | 0 | 3106 | 4659 | 4659 | 3106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 1-6 Headrace & Surge Tank | 38424 | 0 | 0 | 3842 | 7684 | 11527 | 11527 | 3842 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 1-7 Penstock | 2810 | 0 | 0 | 281 | 843 | 843 | 562 | 281 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 1-8 Powerhouse & Switchyard | 16242 | 0 | 0 | 1624 | 3248 | 4872 | 4872 | 812 | 0 | 0 | 0 | 487 | 324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 1-9 Tailrace Tunnel | 3345 | 0 | 0 | 0 | 669 | 1672 | 1003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Sub Total | 175804 | 3900 | 15881 | 17497 | 19888 | 36518 | 31895 | 12565 | 0 | 0 | 0 | 487 | 324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 2. Hydraulic Equipment | 9680 | 0 | 0 | 0 | 968 | 1936 | 3872 | 2904 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 3. Electromechanical Facilities | 39300 | 0 | 0 | 0 | 2947 | 11829 | 8881 | 5934 | 0 | 0 | 4833 | 3890 | 982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23712 | 0 | 0 | 0 | 5162 | 3412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 5. Total Cost (1+2+3+4) | 312284 | 3900 | 15881 | 17498 | 19888 | 40434 | 58486 | 91987 | 45116 | 0 | 4834 | 9540 | 4720 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 6. Engineering & Administration 5×7.5% | 23421 | 293 | 1191 | 1312 | 1492 | 3033 | 4386 | 6899 | 3384 | 0 | 363 | 716 | 354 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7. Physical Contingency 1×15% + (2+3+4+6)×10% | 42361 | 614 | 2501 | 2756 | 3132 | 6173 | 8129 | 11483 | 5478 | 0 | 520 | 1050 | 524 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Grand Total (5+6+7) | 378066 | 4807 | 19573 | 21566 | 24512 | 49640 | 71001 | 110369 | 53978 | 0 | 5717 | 11306 | 5598 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| O & M Cost | 4050 | 0 | 0 | 0 | 0 | 0 | 0 | 2700 | 2700 | 2700 | 2700 | 2700 | 14006 | 9648 | 4050 | 4050 | 4050 | 4050 | 4050 | 4050 | 4050 | | | | | |
| Total (Grand Total + O&M Cost) | 382116 | 4807 | 19573 | 21566 | 24512 | 49640 | 71001 | 110369 | 56678 | 2700 | 2700 | 8417 | 14006 | 9648 | 4050 | 4050 | 4050 | 4050 | 4050 | 4050 | 4050 | | | | | |

Disbursement Schedule CASE- I -80-875

Construction Period T= 14 years
Maximum Output P= 223.6 MW

Unit: 1,000 US\$

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|--|--------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Const. Cost 1,000US\$ | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
| Installed Capacity (MW) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111.8 | 111.8 | 111.8 | 167.7 | 167.7 | 167.7 | 223.6 | 223.6 | 223.6 | 223.6 | 223.6 | 223.6 | 223.6 | 223.6 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Coffey Dam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 78728 | 0 | 0 | 0 | 7872 | 23618 | 15745 | 7872 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 17675 | 0 | 0 | 0 | 3535 | 5302 | 5302 | 3535 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 38646 | 0 | 0 | 0 | 3864 | 7729 | 11593 | 3864 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 3002 | 0 | 0 | 0 | 300 | 900 | 900 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 powerhouse & Switchyard | 18356 | 0 | 0 | 0 | 1835 | 3671 | 5506 | 4589 | 917 | 0 | 367 | 0 | 550 | 367 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 3345 | 0 | 0 | 0 | 0 | 669 | 1672 | 1003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 219204 | 3900 | 15881 | 17497 | 24014 | 49090 | 49865 | 40105 | 17014 | 0 | 550 | 367 | 0 | 550 | 367 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 10624 | 0 | 0 | 0 | 1062 | 2124 | 4249 | 3187 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 44700 | 0 | 0 | 0 | 2816 | 11219 | 8403 | 5632 | 4157 | 3907 | 849 | 4157 | 3907 | 849 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23712 | 0 | 3412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 362028 | 3900 | 15881 | 17498 | 24014 | 52969 | 71085 | 100096 | 49546 | 4157 | 9021 | 4629 | 3858 | 1216 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5×7.5% | 27152 | 293 | 1191 | 1312 | 1801 | 3973 | 5331 | 7507 | 3716 | 312 | 677 | 347 | 289 | 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1×15% + (2+3+4+6)×10% | 49878 | 614 | 2501 | 2756 | 3782 | 8149 | 10135 | 12766 | 6177 | 447 | 997 | 516 | 442 | 149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 439058 | 4807 | 19573 | 21566 | 29597 | 65091 | 86551 | 120369 | 59439 | 4916 | 10695 | 5492 | 4916 | 1456 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 4611 | 0 | 0 | 0 | 0 | 0 | 0 | 2306 | 2306 | 2306 | 2306 | 3458 | 3458 | 4611 | 4611 | 4611 | 4611 | 4611 | 4611 | 4611 | 4611 |
| Total (Grand Total + O&M Cost) | 443669 | 4807 | 19573 | 21566 | 29597 | 65091 | 86551 | 120369 | 61745 | 7222 | 13001 | 8950 | 8374 | 6067 | 4611 | 4611 | 4611 | 4611 | 4611 | 4611 | 4611 |

Disbursement Schedule CASE I - 80 S

| | | Construction Period T = 11 years Maximum Output P = 149.1 Mw | | | | | | | | | | | | | | | | | | | Unit: 1,000 US\$ | |
|--|---------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| | Const. Cost 1,000 US\$ | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 |
| Installed Capacity (Mw) | 149.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99.4 | 99.4 | 99.4 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Coffor Dam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 12632 | 0 | 0 | 0 | 0 | 2526 | 3789 | 3789 | 2526 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 24773 | 0 | 0 | 0 | 2477 | 4954 | 7431 | 7431 | 2477 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 2350 | 0 | 0 | 0 | 235 | 705 | 705 | 470 | 235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 Powerhouse & Switchyard | 12532 | 0 | 0 | 0 | 1253 | 2506 | 3759 | 3759 | 626 | 0 | 375 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 3345 | 0 | 0 | 0 | 0 | 669 | 1672 | 1003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 141484 | 3900 | 15881 | 17497 | 16746 | 28248 | 26549 | 23005 | 9029 | 0 | 375 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 7277 | 0 | 0 | 0 | 0 | 727 | 1455 | 2910 | 2183 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 33080 | 0 | 0 | 0 | 0 | 2514 | 10056 | 7542 | 5028 | 3969 | 3175 | 793 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23625 | 0 | 5162 | 3500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 269341 | 3900 | 15881 | 17498 | 16746 | 31490 | 45936 | 80796 | 39865 | 3970 | 8714 | 4545 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 20201 | 293 | 1191 | 1312 | 1256 | 2362 | 3445 | 6060 | 2990 | 298 | 654 | 341 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1 x 15% + (2+3+4+6) x 10% | 36028 | 614 | 2501 | 2756 | 2638 | 4798 | 6266 | 9836 | 4737 | 427 | 956 | 501 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 325570 | 4807 | 19573 | 21566 | 20640 | 38650 | 55647 | 96692 | 47592 | 4695 | 10324 | 5387 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 3534 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2356 | 2356 | 2356 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 |
| Total (Grand Total + O&M Cost) | 329104 | 4807 | 19573 | 21566 | 20640 | 38650 | 55647 | 96692 | 49948 | 7051 | 12680 | 8921 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 | 3534 |

Disbursement Schedule CASE-1-80-K

Construction Period T= 13 years
Maximum Output P= 211.8 Mw

Unit: 1,000 US\$

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|---|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
| Installed Capacity (Mw) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 141.2 | 141.2 | 141.2 | 141.2 | 141.2 | 211.8 | 211.8 | 211.8 | 211.8 | 211.8 | 211.8 | 211.8 | 211.8 | 211.8 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Cofferdam | 10752 | 0 | 0 | 2150 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 12632 | 0 | 0 | 0 | 2526 | 3789 | 3789 | 2526 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 40725 | 0 | 0 | 4072 | 8145 | 12217 | 12217 | 4072 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 4469 | 0 | 0 | 446 | 1340 | 1340 | 893 | 446 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 powerhouse & Switchyard | 17744 | 0 | 0 | 1774 | 3548 | 5323 | 5323 | 887 | 0 | 0 | 0 | 532 | 354 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 3345 | 0 | 0 | 0 | 669 | 1672 | 1003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 164767 | 3900 | 15881 | 17497 | 33117 | 33534 | 29778 | 11096 | 0 | 0 | 0 | 532 | 354 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 13122 | 0 | 0 | 0 | 1312 | 2624 | 5248 | 3936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 38990 | 0 | 0 | 0 | 2924 | 11795 | 8811 | 5887 | 0 | 0 | 4795 | 3860 | 974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23712 | 0 | 0 | 0 | 5162 | 3412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 304379 | 3900 | 15881 | 17498 | 37353 | 55770 | 91176 | 44633 | 0 | 0 | 4796 | 9555 | 4742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 22828 | 293 | 1191 | 1312 | 2801 | 4183 | 6838 | 3347 | 0 | 0 | 360 | 717 | 356 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1x15% + (2+3+4+6)x10% | 40959 | 614 | 2501 | 2756 | 5671 | 7672 | 11290 | 5353 | 0 | 0 | 516 | 1054 | 528 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 368166 | 4807 | 19573 | 21566 | 45825 | 67625 | 109304 | 53333 | 0 | 0 | 5672 | 11326 | 5626 | 4002 | 4002 | 4002 | 4002 | 4002 | 4002 | 4002 | 4002 |
| O & M Cost | 4002 | 0 | 0 | 0 | 0 | 0 | 0 | 2668 | 2668 | 2668 | 2668 | 2668 | 2668 | 2668 | 2668 | 2668 | 2668 | 2668 | 2668 | 2668 | 2668 |
| Total (Grand Total + O&M Cost) | 372168 | 4807 | 19573 | 21566 | 45825 | 67625 | 109304 | 56001 | 2668 | 2668 | 8340 | 13994 | 9628 | 4002 | 4002 | 4002 | 4002 | 4002 | 4002 | 4002 | 4002 |

Disbursement Schedule CASE- II -60

Construction Period T= 149.4 years
Maximum Output P= 149.4 MW

Unit: 1,000 US\$

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|---|--------|-------|-------|-------|-------|-------|-------|--------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Const. Cost 1,000 US\$ | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
| Installed Capacity (MW) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99.6 | 99.6 | 99.6 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Coffor Dam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 20400 | 0 | 0 | 0 | 0 | 6120 | 6120 | 4080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 32500 | 0 | 0 | 0 | 3250 | 6500 | 9750 | 3250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 3822 | 0 | 0 | 0 | 382 | 1146 | 1146 | 382 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 powerhouse & Switchyard | 18210 | 0 | 0 | 0 | 1821 | 3642 | 5463 | 910 | 0 | 546 | 364 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 3747 | 0 | 0 | 0 | 0 | 749 | 1873 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 164531 | 3900 | 15881 | 17497 | 18234 | 33005 | 33543 | 29772 | 11786 | 0 | 546 | 364 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 7720 | 0 | 0 | 0 | 0 | 772 | 1544 | 3088 | 2316 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 34200 | 0 | 0 | 0 | 0 | 2599 | 10996 | 7797 | 5198 | 4104 | 3283 | 820 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23625 | 0 | 5162 | 3500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 293951 | 3900 | 15881 | 17498 | 18234 | 36376 | 53360 | 87995 | 42926 | 4104 | 8992 | 4685 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 22046 | 293 | 1191 | 1312 | 1368 | 2728 | 4002 | 6600 | 3219 | 308 | 674 | 951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1 x 15% + (2+3+4+6) x 10% | 39826 | 614 | 2501 | 2756 | 2872 | 5561 | 7413 | 10948 | 5204 | 441 | 994 | 522 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 355823 | 4807 | 19573 | 21566 | 22474 | 44665 | 64775 | 105543 | 51349 | 4853 | 10660 | 5558 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 3796 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2531 | 2531 | 2531 | 3796 | 3796 | 3796 | 3796 | 3796 | 3796 | 3796 | 3796 | 3796 | 3796 |
| Total (Grand Total + O&M Cost) | 359619 | 4807 | 19573 | 21566 | 22474 | 44665 | 64775 | 105543 | 53880 | 7384 | 13191 | 9354 | 3796 | 3796 | 3796 | 3796 | 3796 | 3796 | 3796 | 3796 | 3796 |

Disbursement Schedule CASE- II -70

Construction Period T= 12 years
Maximum Output P= 174.9 MW

Unit: 1,000 US\$

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|--|--------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Const. Cost 1,000 US\$ | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
| Installed Capacity (MW) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 116.6 | 116.6 | 116.6 | 116.6 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Coffey Dam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 23200 | 0 | 0 | 0 | 0 | 6960 | 6960 | 4640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 36000 | 0 | 0 | 0 | 3600 | 7200 | 10800 | 3600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 4078 | 0 | 0 | 0 | 407 | 1223 | 815 | 407 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 Powerhouse & Switchyard | 19541 | 0 | 0 | 0 | 1954 | 3908 | 5862 | 977 | 0 | 0 | 586 | 390 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 4092 | 0 | 0 | 0 | 0 | 818 | 2046 | 1227 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 172763 | 3900 | 15881 | 17497 | 18742 | 34677 | 36082 | 32216 | 12788 | 0 | 586 | 390 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 8399 | 0 | 0 | 0 | 0 | 839 | 1679 | 2519 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 36100 | 0 | 0 | 0 | 0 | 2743 | 10974 | 8230 | 5487 | 0 | 4332 | 3465 | 866 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23625 | 0 | 0 | 5162 | 3500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 304762 | 3900 | 15881 | 17498 | 18743 | 38261 | 56612 | 91144 | 44421 | 0 | 4332 | 9214 | 4757 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 22857 | 293 | 1191 | 1312 | 1406 | 2870 | 4246 | 6836 | 3332 | 0 | 325 | 691 | 357 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1 x 15% + (2+3+4+6) x 10% | 41400 | 614 | 2501 | 2756 | 2952 | 5847 | 7890 | 11409 | 5415 | 0 | 466 | 1020 | 531 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 369019 | 4807 | 19573 | 21566 | 23101 | 46978 | 68748 | 109389 | 53168 | 0 | 5123 | 10925 | 5645 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 3930 | 0 | 0 | 0 | 0 | 0 | 0 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 |
| Total (Grand Total + O&M Cost) | 372949 | 4807 | 19573 | 21566 | 23101 | 46978 | 68748 | 109389 | 55788 | 2620 | 7743 | 13545 | 9575 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 | 2620 |

Disbursement Schedule CASE-II-80

| | | 13 years 201 MW | | | | | | | | | | | | | | | | | | | | | Unit: 1,000 US\$ | | |
|--|--------------------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|--|--|
| | | Construction Period T= | | | | | | | | | | | | | | | | | | | | | Maximum Output P= | | |
| | Const. Cost 1,000US\$ | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 | | | |
| Installed Capacity (MW) | 201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 | 134 | 134 | 134 | 134 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | | | |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1-3 Diversion & Coffor Dam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1-5 Intake & Desilting Basin | 25263 | 0 | 0 | 0 | 0 | 5052 | 7578 | 7578 | 5052 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1-6 Headrace & Surge Tank | 38424 | 0 | 0 | 0 | 3842 | 7684 | 11527 | 11527 | 3842 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1-7 Penstock | 4373 | 0 | 0 | 0 | 437 | 1311 | 1311 | 874 | 437 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1-8 Powerhouse & Switchyard | 21467 | 0 | 0 | 0 | 2146 | 4293 | 6440 | 6440 | 1073 | 0 | 0 | 0 | 644 | 429 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1-9 Tailrace Tunnel | 4365 | 0 | 0 | 0 | 0 | 873 | 2182 | 1309 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Sub Total | 179744 | 3900 | 15881 | 17497 | 19207 | 36102 | 38231 | 34281 | 13569 | 0 | 0 | 0 | 644 | 429 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 2. Hydraulic Equipment | 9554 | 0 | 0 | 0 | 0 | 955 | 1910 | 3821 | 2866 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 3. Electromechanical Facilities | 38400 | 0 | 0 | 0 | 0 | 2918 | 11596 | 8716 | 5798 | 0 | 0 | 4684 | 3763 | 921 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23712 | 0 | 0 | 0 | 5162 | 3412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 5. Total Cost (1+2+3+4) | 315198 | 3900 | 15881 | 17498 | 19207 | 39977 | 55614 | 94157 | 45947 | 0 | 0 | 4685 | 9570 | 4763 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 6. Engineering & Administration 5×7.5% | 23640 | 293 | 1191 | 1312 | 1441 | 2998 | 4471 | 7062 | 3446 | 0 | 0 | 351 | 718 | 357 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7. Physical Contingency 1×15% + (2+3+4+6)×10% | 42871 | 614 | 2501 | 2756 | 3025 | 6103 | 8320 | 11836 | 5618 | 0 | 0 | 504 | 1061 | 534 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Grand Total. (5+6+7) | 381709 | 4807 | 19573 | 21566 | 23673 | 49078 | 72405 | 113055 | 55011 | 0 | 0 | 5540 | 11349 | 5654 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| O & M Cost | 4069 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2713 | 2713 | 2713 | 2713 | 2713 | 4069 | 4069 | 4069 | 4069 | 4069 | 4069 | 4069 | 4069 | 4069 | | | |
| Total (Grand Total + O&M Cost) | 385778 | 4807 | 19573 | 21566 | 23673 | 49078 | 72405 | 113055 | 57724 | 2713 | 2713 | 8253 | 14062 | 9723 | 4069 | 4069 | 4069 | 4069 | 4069 | 4069 | 4069 | 4069 | | | |

Disbursement Schedule CASE II - 90

| | | Construction Period T= 14 years Maximum Output, P= 224.8 MW | | | | | | | | | | | | | | | | | | | | | Unit: 1,000 US\$ |
|--|--------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|
| | Const. Cost 1,000US\$ | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 | |
| Installed Capacity (MW) | 224.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.4 | 112.4 | 112.4 | 168.6 | 168.6 | 168.6 | 224.8 | 224.8 | 224.8 | 224.8 | 224.8 | 224.8 | 224.8 | 224.8 | |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1-3 Diversion & Coffor Dam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1-5 Intake & Desilting Basin | 28900 | 0 | 0 | 0 | 0 | 5780 | 8670 | 8670 | 5780 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1-6 Headrace & Surge Tank | 43050 | 0 | 0 | 0 | 4305 | 8610 | 12915 | 12915 | 4305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1-7 Penstock | 5015 | 0 | 0 | 0 | 501 | 1504 | 1504 | 1003 | 501 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1-8 Powerhouse & Switchyard | 23702 | 0 | 0 | 0 | 2370 | 4740 | 7110 | 5925 | 1185 | 0 | 711 | 474 | 0 | 711 | 474 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1-9 Tailrace Tunnel | 4928 | 0 | 0 | 0 | 0 | 985 | 2464 | 1478 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sub Total | 191447 | 3900 | 15881 | 17497 | 19957 | 38507 | 41854 | 36542 | 14935 | 0 | 711 | 474 | 0 | 711 | 474 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. Hydraulic Equipment | 10771 | 0 | 0 | 0 | 0 | 1077 | 2154 | 4308 | 3231 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 3. Electromechanical Facilities | 44700 | 0 | 0 | 0 | 0 | 2816 | 11219 | 8448 | 5632 | 4157 | 3307 | 849 | 4157 | 3307 | 804 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4. Transmission Line & Substation | 87500 | 0 | 0 | 0 | 0 | 0 | 7875 | 47337 | 23712 | 0 | 5162 | 3412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. Total Cost (1+2+3+4) | 394418 | 3900 | 15881 | 17498 | 19958 | 42401 | 63104 | 96637 | 47511 | 4157 | 9181 | 4736 | 4157 | 4019 | 1279 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 6. Engineering & Administration 5×7.5% | 25081 | 293 | 1191 | 1312 | 1497 | 3180 | 4733 | 7248 | 3563 | 312 | 689 | 355 | 312 | 301 | 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 7. Physical Contingency 1 ×15% + (2+3+4+6) ×10% | 45522 | 614 | 2501 | 2756 | 3143 | 6483 | 8876 | 12216 | 5854 | 447 | 1023 | 533 | 447 | 468 | 161 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grand Total (5+6+7) | 405021 | 4807 | 19573 | 21566 | 24598 | 52064 | 76713 | 116101 | 56928 | 4916 | 10893 | 5624 | 4916 | 4788 | 1536 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| O & M Cost | 4336 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2168 | 2168 | 2168 | 3252 | 3252 | 3252 | 4336 | 4336 | 4336 | 4336 | 4336 | 4336 | 4336 | 4336 | |
| Total (Grand Total + O&M Cost) | 409357 | 4807 | 19573 | 21566 | 24598 | 52064 | 76713 | 116101 | 59096 | 7084 | 13061 | 8876 | 8168 | 8040 | 5872 | 4336 | 4336 | 4336 | 4336 | 4336 | 4336 | 4336 | |

Disbursement Schedule CASE II - 100

Construction Period T= 15 years
Maximum Output P= 250.4 MW

Unit: 1,000 US\$

| | Const. Cost 1,000 US\$ | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 |
|--|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Installed Capacity (MW) | 250.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125.2 | 125.2 | 125.2 | 125.2 | 187.8 | 187.8 | 187.8 | 250.4 | 250.4 | 250.4 | 250.4 | 250.4 | 250.4 | 250.4 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 39000 | 3900 | 13650 | 13650 | 9900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Cofferdam | 10752 | 0 | 0 | 2150 | 4300 | 4900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 32000 | 0 | 0 | 0 | 0 | 6400 | 9600 | 9600 | 6400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 46000 | 0 | 0 | 0 | 0 | 9200 | 13800 | 13800 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 5260 | 0 | 0 | 0 | 526 | 1578 | 1578 | 1052 | 526 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 Powerhouse & Switchyard | 25254 | 0 | 0 | 0 | 2525 | 5050 | 7576 | 6313 | 1262 | 0 | 0 | 757 | 505 | 0 | 757 | 505 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 5282 | 0 | 0 | 0 | 0 | 1056 | 2641 | 1584 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 199648 | 3900 | 15881 | 17497 | 20432 | 40172 | 44385 | 38900 | 15952 | 0 | 0 | 757 | 505 | 0 | 757 | 505 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 12062 | 0 | 0 | 0 | 0 | 1206 | 2412 | 4824 | 3618 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 46200 | 0 | 0 | 0 | 0 | 2910 | 11596 | 8685 | 5821 | 0 | 4236 | 3418 | 877 | 4236 | 3418 | 877 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 101400 | 0 | 0 | 0 | 0 | 0 | 7909 | 47556 | 23626 | 0 | 0 | 5070 | 3447 | 0 | 8213 | 5577 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 359310 | 3900 | 15881 | 17498 | 20432 | 44289 | 66304 | 99668 | 49019 | 0 | 4237 | 9246 | 4830 | 4237 | 12390 | 6960 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 26948 | 293 | 1191 | 1312 | 1532 | 3322 | 4973 | 7498 | 3676 | 0 | 322 | 693 | 362 | 322 | 929 | 522 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency $1 \times 15\% + (2+3+4+6) \times 10\%$ | 48608 | 614 | 2501 | 2756 | 3218 | 6770 | 9347 | 12692 | 6067 | 0 | 462 | 1032 | 545 | 462 | 1370 | 773 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 434866 | 4807 | 19573 | 21566 | 25182 | 54381 | 80624 | 120158 | 58762 | 0 | 5081 | 10971 | 5737 | 5081 | 14689 | 8255 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 4683 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2342 | 2342 | 2342 | 2342 | 2342 | 3512 | 3512 | 4683 | 4683 | 4683 | 4683 | 4683 | 4683 | 4683 |
| Total (Grand Total + O&M Cost) | 439549 | 4807 | 19573 | 21566 | 25182 | 54381 | 80624 | 120158 | 61104 | 2342 | 7423 | 13313 | 9249 | 8593 | 18201 | 12938 | 4683 | 4683 | 4683 | 4683 | 4683 | 4683 |

Disbursement Schedule CASE-III-120

Construction Period T= 13 years
Maximum Output P= 298.8 MW

Unit: 1,000 US\$

| | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Const. Cost 1,000 US\$ | | | | | | | | | | | | | | | | | | | | | |
| Installed Capacity (MW) | 298.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 3900 | 13650 | 13650 | 3900 | 3900 | | | | | | | | | | | | | | | | |
| 1-2 Preparatory Works | 9700 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Cofferdam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 20400 | 0 | 0 | 0 | 4080 | 6120 | 6120 | 4080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 65000 | 0 | 0 | 0 | 3250 | 9750 | 9750 | 6500 | 6500 | 9750 | 9750 | 3250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 6457 | 0 | 0 | 0 | 387 | 1162 | 774 | 387 | 0 | 774 | 1033 | 774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 powerhouse & Switchyard | 22765 | 0 | 0 | 0 | 1889 | 5668 | 5668 | 978 | 0 | 682 | 1821 | 2048 | 227 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 5036 | 0 | 0 | 0 | 0 | 745 | 1863 | 1117 | 0 | 0 | 654 | 654 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 205510 | 3900 | 15881 | 17497 | 33153 | 33754 | 29982 | 15110 | 6500 | 11207 | 13259 | 6728 | 227 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 12226 | 0 | 0 | 0 | 770 | 1540 | 3080 | 2310 | 0 | 0 | 2445 | 2078 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 61200 | 0 | 0 | 0 | 2601 | 10397 | 7803 | 5202 | 4094 | 3280 | 14320 | 10801 | 2698 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 107000 | 0 | 0 | 0 | 0 | 7918 | 47294 | 23647 | 0 | 0 | 16906 | 11295 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 385936 | 3900 | 15881 | 17498 | 36525 | 53611 | 88160 | 46270 | 10594 | 14488 | 46931 | 30844 | 2927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 28945 | 293 | 1191 | 1312 | 2739 | 4021 | 6612 | 3470 | 795 | 1087 | 3520 | 2313 | 220 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1x15% + (2+3+4+6)x10% | 51764 | 614 | 2501 | 2756 | 5584 | 7451 | 10976 | 5729 | 1464 | 2118 | 5708 | 3652 | 326 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 466645 | 4807 | 19373 | 21566 | 44848 | 65083 | 105748 | 55469 | 12853 | 17693 | 56159 | 36809 | 3473 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 5129 | 0 | 0 | 0 | 0 | 0 | 0 | 1710 | 1710 | 1710 | 2565 | 2565 | 5129 | 5129 | 5129 | 5129 | 5129 | 5129 | 5129 | 5129 | 5129 |
| Total (Grand Total + O&M Cost) | 471774 | 4807 | 19373 | 21566 | 44848 | 65083 | 105748 | 57179 | 14563 | 19403 | 58724 | 39374 | 8602 | 5129 | 5129 | 5129 | 5129 | 5129 | 5129 | 5129 | 5129 |

Disbursement Schedule CASE - III - 140

| | Const. Cost 1,000 US\$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|--|---------------------------|------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | | | | | |
| Installed Capacity (MW) | 349.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 116.6 | 116.6 | 116.6 | 116.6 | 174.9 | 349.8 | 349.8 | 349.8 | 349.8 | 349.8 | 349.8 | 349.8 | 349.8 | 349.8 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Cofferdam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 23200 | 0 | 0 | 0 | 0 | 4640 | 6960 | 6960 | 4640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 72000 | 0 | 0 | 0 | 3600 | 7200 | 10800 | 10800 | 7200 | 7200 | 10800 | 10800 | 3600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 6900 | 0 | 0 | 0 | 414 | 1242 | 1242 | 828 | 414 | 0 | 828 | 1104 | 828 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 powerhouse & Switchyard | 24372 | 0 | 0 | 0 | 2022 | 4045 | 6068 | 6068 | 1047 | 0 | 0 | 2680 | 2193 | 243 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 5500 | 0 | 0 | 0 | 0 | 814 | 2035 | 1221 | 0 | 0 | 0 | 715 | 715 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 217824 | 3900 | 15881 | 17497 | 18817 | 34828 | 36296 | 32428 | 16465 | 7200 | 11628 | 15299 | 7336 | 243 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 13300 | 0 | 0 | 0 | 0 | 837 | 1675 | 3351 | 2513 | 0 | 0 | 2660 | 2261 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 64800 | 0 | 0 | 0 | 0 | 2741 | 10957 | 8223 | 5482 | 0 | 4348 | 17832 | 12344 | 2870 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 107000 | 0 | 0 | 0 | 0 | 0 | 7918 | 47294 | 23647 | 0 | 0 | 16306 | 11235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 402924 | 3900 | 15881 | 17498 | 18818 | 38408 | 56848 | 91297 | 48109 | 7200 | 15976 | 52699 | 33177 | 3114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 30219 | 293 | 1191 | 1312 | 1411 | 2881 | 4264 | 6847 | 3608 | 540 | 1198 | 3952 | 2488 | 234 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1 x 15% + (2+3+4+6) x 10% | 54206 | 614 | 2501 | 2756 | 2964 | 5870 | 7926 | 11436 | 5995 | 1134 | 2299 | 6430 | 3933 | 347 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 487349 | 4807 | 19573 | 21566 | 23193 | 47159 | 69038 | 109580 | 57112 | 8874 | 19473 | 63081 | 39598 | 3695 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 & M Cost | 5345 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1782 | 1782 | 1782 | 1782 | 2673 | 5345 | 5345 | 5345 | 5345 | 5345 | 5345 | 5345 | 5345 | 5345 |
| Total (Grand Total + O&M Cost) | 492694 | 4807 | 19573 | 21566 | 23193 | 47159 | 69038 | 109580 | 59494 | 10656 | 21255 | 64863 | 42271 | 9040 | 5345 | 5345 | 5345 | 5345 | 5345 | 5345 | 5345 | 5345 |

Unit: 1,000 US\$

Construction Period T= 13 years
Maximum Output P= 349.8 MW

Disbursement Schedule CASE - III - 160

| | Const. Cost 1,000 US\$ | Construction Period T- Maximum Output P= | | | | | | | | | | | | | 13 years 402 M4 | | | | | Unit: 1,000 US\$ | | | | |
|--|---------------------------|---|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------------------|------|------|------|------|------------------|------|------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | | |
| Installed Capacity (M4) | 402 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 | 134 | 134 | 134 | 134 | 402 | 402 | 402 | 402 | 402 | 402 | 402 | 402 | 402 | 402 | 402 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 3000 | 13650 | 13650 | 3900 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Coffey Dam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 25263 | 0 | 0 | 0 | 0 | 5052 | 7578 | 7578 | 5052 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 76847 | 0 | 0 | 0 | 3842 | 7684 | 11527 | 11527 | 7684 | 7684 | 11527 | 11527 | 3842 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 7405 | 0 | 0 | 0 | 444 | 1332 | 1332 | 888 | 444 | 0 | 888 | 1184 | 888 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 Powerhouse & Switchyard | 29920 | 0 | 0 | 0 | 2151 | 4302 | 6454 | 6454 | 1114 | 0 | 0 | 2851 | 2332 | 259 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 5860 | 0 | 0 | 0 | 0 | 867 | 2168 | 1300 | 0 | 0 | 0 | 761 | 761 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 227147 | 3900 | 15881 | 17497 | 19218 | 36127 | 38251 | 34300 | 17459 | 7684 | 12415 | 16324 | 7825 | 259 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 15128 | 0 | 0 | 0 | 0 | 953 | 1906 | 3812 | 2859 | 0 | 0 | 3025 | 2571 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 69400 | 0 | 0 | 0 | 0 | 2914 | 11589 | 8675 | 5829 | 0 | 0 | 20195 | 16170 | 4025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 107000 | 0 | 0 | 0 | 0 | 0 | 7918 | 47294 | 23647 | 0 | 0 | 16906 | 11235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 418675 | 3900 | 15881 | 17498 | 19219 | 39995 | 59666 | 94082 | 49796 | 7685 | 12416 | 56452 | 37803 | 4284 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 31401 | 293 | 1191 | 1312 | 1441 | 3000 | 4475 | 7056 | 3735 | 576 | 931 | 4234 | 2835 | 321 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1 x 15% + (2+3+4+6) x 10% | 56365 | 614 | 2501 | 2756 | 3027 | 6106 | 8327 | 11829 | 6226 | 1210 | 1955 | 6885 | 4455 | 474 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 506441 | 4807 | 19573 | 21566 | 23687 | 49101 | 72468 | 112967 | 59757 | 9471 | 15302 | 67571 | 45093 | 5079 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 5567 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1856 | 1856 | 1856 | 1856 | 1856 | 1856 | 5567 | 5567 | 5567 | 5567 | 5567 | 5567 | 5567 | 5567 | 5567 | 5567 |
| Total (Grand Total + O&M Cost) | 512008 | 4807 | 19573 | 21566 | 23687 | 49101 | 72468 | 112967 | 61613 | 11327 | 17158 | 69427 | 46949 | 10646 | 5567 | 5567 | 5567 | 5567 | 5567 | 5567 | 5567 | 5567 | 5567 | 5567 |

Disbursement Schedule CASE III ISO

| | | Construction Period T= 14 years Maximum Output P= 449.6 Mw | | | | | | | | | | | | | | Unit: 1,000 US\$ | | | | | | |
|--|---------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------------|------------|------------|------------|------------|------------|------------|
| | Const. Cost 1,000 US\$ | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 |
| Installed Capacity (Mw) | 449.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.4 | 112.4 | 112.4 | 168.6 | 168.6 | 168.6 | 449.6 | 449.6 | 449.6 | 449.6 | 449.6 | 449.6 | 449.6 | 449.6 |
| 1. Civil Works | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 Access Road | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Coffor Dam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 28900 | 0 | 0 | 0 | 0 | 5780 | 8670 | 8670 | 5780 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 86100 | 0 | 0 | 0 | 4305 | 8610 | 12915 | 12915 | 8610 | 8610 | 12915 | 12915 | 4305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 8486 | 0 | 0 | 0 | 509 | 1527 | 1527 | 1018 | 509 | 0 | 1018 | 1357 | 1018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 Powerhouse & Switchyard | 29398 | 0 | 0 | 0 | 2440 | 4880 | 7320 | 6144 | 1264 | 0 | 881 | 2351 | 2939 | 881 | 293 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 6624 | 0 | 0 | 0 | 0 | 980 | 2450 | 1470 | 0 | 0 | 0 | 861 | 861 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 245360 | 3900 | 15881 | 17497 | 20034 | 38665 | 42074 | 36768 | 19327 | 8610 | 14815 | 17485 | 9124 | 881 | 293 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 17056 | 0 | 0 | 0 | 0 | 1074 | 2149 | 4298 | 3223 | 0 | 0 | 3411 | 2899 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 82900 | 0 | 0 | 0 | 0 | 2810 | 11241 | 8430 | 5620 | 4153 | 3316 | 19929 | 19431 | 7137 | 829 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 107000 | 0 | 0 | 0 | 0 | 0 | 7918 | 47294 | 23647 | 0 | 0 | 16906 | 11235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 452316 | 3900 | 15881 | 17498 | 20035 | 42550 | 63382 | 96792 | 51818 | 12763 | 18131 | 57732 | 42691 | 8020 | 1123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 33924 | 293 | 1191 | 1312 | 1503 | 3191 | 4754 | 7259 | 3886 | 957 | 1360 | 4330 | 3202 | 602 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1 x 15% + (2+3+4+6) x 10% | 60892 | 614 | 2501 | 2756 | 3156 | 6507 | 8917 | 12244 | 6537 | 1803 | 2690 | 7080 | 5045 | 906 | 135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 547132 | 4807 | 19573 | 21566 | 24694 | 52248 | 77053 | 116295 | 62241 | 15523 | 22181 | 69142 | 50938 | 9528 | 1342 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 6058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1515 | 1515 | 1515 | 2272 | 2272 | 2272 | 6058 | 6058 | 6058 | 6058 | 6058 | 6058 | 6058 | 6058 |
| Total (Grand Total + O&M Cost) | 553190 | 4807 | 19573 | 21566 | 24694 | 52248 | 77053 | 116295 | 63756 | 17038 | 23696 | 71414 | 53210 | 11800 | 7400 | 6058 | 6058 | 6058 | 6058 | 6058 | 6058 | 6058 |

Disbursement Schedule CASE - III - 200

Construction Period
Maximum Output P=

14 years
500.8 MW

Unit: 1,000 US\$

| | Const. Cost 1,000 US\$ | 1 1987 | 2 1988 | 3 1989 | 4 1990 | 5 1991 | 6 1992 | 7 1993 | 8 1994 | 9 1995 | 10 1996 | 11 1997 | 12 1998 | 13 1999 | 14 2000 | 15 2001 | 16 2002 | 17 2003 | 18 2004 | 19 2005 | 20 2006 | 21 2007 |
|--|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Installed Capacity (MW) | 500.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125.2 | 125.2 | 125.2 | 125.2 | 187.8 | 187.8 | 500.8 | 500.8 | 500.8 | 500.8 | 500.8 | 500.8 | 500.8 | 500.8 |
| 1. Civil Works | 39000 | 3900 | 13650 | 13650 | 3900 | 3900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-1 Access Road | | | | | | | | | | | | | | | | | | | | | | |
| 1-2 Preparatory Works | 9700 | 0 | 2231 | 1697 | 1940 | 766 | 1270 | 1270 | 523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-3 Diversion & Cofferdam | 10752 | 0 | 0 | 2150 | 4300 | 4300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-4 Dam & Spillway | 26400 | 0 | 0 | 0 | 2640 | 7920 | 7920 | 5280 | 2640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-5 Intake & Desilting Basin | 32000 | 0 | 0 | 0 | 0 | 6400 | 9600 | 9600 | 6400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-6 Headrace & Surge Tank | 92000 | 0 | 0 | 0 | 4600 | 9200 | 13800 | 13800 | 9200 | 9200 | 13800 | 13800 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-7 Penstock | 8900 | 0 | 0 | 0 | 534 | 1602 | 1602 | 1068 | 534 | 0 | 1068 | 1424 | 1068 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-8 powerhouse & Switchyard | 31272 | 0 | 0 | 0 | 2595 | 5191 | 7786 | 6355 | 1344 | 0 | 0 | 3127 | 3439 | 938 | 312 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-9 Tailrace Tunnel | 7100 | 0 | 0 | 0 | 0 | 1050 | 2627 | 1576 | 0 | 0 | 0 | 923 | 923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub Total | 257124 | 3900 | 15881 | 17497 | 20510 | 40331 | 44606 | 39130 | 20642 | 9200 | 14868 | 19274 | 10030 | 938 | 312 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Hydraulic Equipment | 19100 | 0 | 0 | 0 | 0 | 1203 | 2406 | 4813 | 3609 | 0 | 0 | 3820 | 3247 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Electromechanical Facilities | 86500 | 0 | 0 | 0 | 0 | 2897 | 11599 | 8701 | 5804 | 0 | 4299 | 23588 | 21279 | 7473 | 856 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Transmission Line & Substation | 107000 | 0 | 0 | 0 | 0 | 0 | 7918 | 47294 | 23647 | 0 | 0 | 16906 | 11235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Total Cost (1+2+3+4) | 469724 | 3900 | 15881 | 17498 | 20510 | 44432 | 66531 | 99940 | 53704 | 9200 | 19167 | 63589 | 45792 | 8412 | 1169 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Engineering & Administration 5x7.5% | 35229 | 293 | 1191 | 1312 | 1538 | 3332 | 4990 | 7496 | 4028 | 690 | 1438 | 4769 | 3434 | 631 | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. Physical Contingency 1 x 15% + (2+3+4+6) x 10% | 63352 | 614 | 2501 | 2756 | 3230 | 6793 | 9382 | 12700 | 6805 | 1449 | 2804 | 7799 | 5424 | 951 | 141 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total (5+6+7) | 568305 | 4807 | 19573 | 21566 | 25278 | 54557 | 80903 | 120136 | 64537 | 11339 | 23409 | 76157 | 54650 | 9994 | 1398 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O & M Cost | 6288 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1572 | 1572 | 1572 | 1572 | 2358 | 2358 | 6288 | 6288 | 6288 | 6288 | 6288 | 6288 | 6288 | 6288 |
| Total (Grand Total + O&M Cost) | 574593 | 4807 | 19573 | 21566 | 25278 | 54557 | 80903 | 120136 | 66109 | 12911 | 24981 | 77729 | 57008 | 12352 | 7636 | 6288 | 6288 | 6288 | 6288 | 6288 | 6288 | 6288 |

Discounted Cash Flow Method

Case 1 - 60

Discount rate = 12(%)

B = 212.08

C = 183.74

B/C = 1.154

B-C = 28.34

S =

kW Value

kWh Value

kWh Value

B1 = 68 US\$/kW
B2 = 0.063 US\$/kWh
B3 = 0.005 US\$/kWh

C1 = 0.063853658

C2 = 0.052677395

C3 = 0.041516562

UNIT: Million US\$

| Year | Serial Number | Cost Flow | Discounted Cost Flow | Project Sales | | | Discounted Benefit Flow | | | |
|-------|---------------|-----------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------|-----------------|--------|
| | | | | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | Salable Energy | Surplus Energy | Useful Capacity | Total |
| 1987 | 1 | 4.81 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1988 | 2 | 19.57 | 15.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1989 | 3 | 21.57 | 15.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1990 | 4 | 21.58 | 13.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1991 | 5 | 39.89 | 22.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1992 | 6 | 57.63 | 29.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1993 | 7 | 98.67 | 44.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1994 | 8 | 50.49 | 20.39 | 179.00 | 691.10 | 52.00 | 4.55 | 1.39 | 1.42 | 7.37 |
| 1995 | 9 | 7.25 | 2.61 | 256.00 | 614.10 | 69.00 | 5.81 | 1.10 | 1.69 | 8.61 |
| 1996 | 10 | 12.85 | 4.13 | 333.00 | 537.10 | 86.10 | 6.75 | 0.86 | 1.88 | 9.50 |
| 1997 | 11 | 9.02 | 2.59 | 415.00 | 888.50 | 104.20 | 7.51 | 1.27 | 2.03 | 10.83 |
| 1998 | 12 | 3.60 | 0.92 | 500.00 | 803.50 | 123.20 | 8.08 | 1.03 | 2.15 | 11.26 |
| 1999 | 13 | 3.60 | 0.82 | 588.00 | 715.50 | 143.00 | 8.48 | 0.81 | 2.22 | 11.53 |
| 2000 | 14 | 3.60 | 0.73 | 680.00 | 623.50 | 149.40 | 8.76 | 0.63 | 2.07 | 11.48 |
| 2001 | 15 | 3.60 | 0.65 | 776.00 | 527.50 | 149.40 | 8.93 | 0.48 | 1.85 | 11.26 |
| 2002 | 16 | 3.60 | 0.58 | 876.00 | 427.50 | 149.40 | 9.00 | 0.34 | 1.65 | 11.00 |
| 2003 | 17 | 3.60 | 0.52 | 980.00 | 323.50 | 149.40 | 8.99 | 0.23 | 1.47 | 10.70 |
| 2004 | 18 | 3.60 | 0.46 | 1089.00 | 214.50 | 149.40 | 8.92 | 0.13 | 1.32 | 10.38 |
| 2005 | 19 | 3.60 | 0.41 | 1201.00 | 102.50 | 149.40 | 8.78 | 0.05 | 1.17 | 10.02 |
| 2006 | 20 | 3.60 | 0.37 | 1303.50 | 0.00 | 149.40 | 8.51 | 0.00 | 1.05 | 9.56 |
| 2007 | 21 | 3.60 | 0.33 | 1303.50 | 0.00 | 149.40 | 7.60 | 0.00 | 0.94 | 8.54 |
| 2008 | 22 | 3.60 | 0.29 | 1303.50 | 0.00 | 149.40 | 6.78 | 0.00 | 0.83 | 7.62 |
| 2009 | 23 | 3.60 | 0.26 | 1303.50 | 0.00 | 149.40 | 6.05 | 0.00 | 0.74 | 6.80 |
| 2010 | 24 | 3.60 | 0.23 | 1303.50 | 0.00 | 149.40 | 5.41 | 0.00 | 0.66 | 6.07 |
| 2011 | 25 | 3.60 | 0.21 | 1303.50 | 0.00 | 149.40 | 4.83 | 0.00 | 0.59 | 5.42 |
| 2012 | 26 | 3.60 | 0.18 | 1303.50 | 0.00 | 149.40 | 4.31 | 0.00 | 0.53 | 4.84 |
| 2013 | 27 | 3.60 | 0.16 | 1303.50 | 0.00 | 149.40 | 3.85 | 0.00 | 0.47 | 4.32 |
| 2014 | 28 | 3.60 | 0.15 | 1303.50 | 0.00 | 149.40 | 3.43 | 0.00 | 0.42 | 3.86 |
| 2015 | 29 | 3.60 | 0.13 | 1303.50 | 0.00 | 149.40 | 3.06 | 0.00 | 0.37 | 3.44 |
| 2016 | 30 | 3.60 | 0.12 | 1303.50 | 0.00 | 149.40 | 2.74 | 0.00 | 0.33 | 3.08 |
| 2017 | 31 | 3.60 | 0.10 | 1303.50 | 0.00 | 149.40 | 2.44 | 0.00 | 0.30 | 2.75 |
| 2018 | 32 | 3.60 | 0.09 | 1303.50 | 0.00 | 149.40 | 2.18 | 0.00 | 0.27 | 2.45 |
| 2019 | 33 | 3.60 | 0.08 | 1303.50 | 0.00 | 149.40 | 1.95 | 0.00 | 0.24 | 2.19 |
| 2020 | 34 | 3.60 | 0.07 | 1303.50 | 0.00 | 149.40 | 1.74 | 0.00 | 0.21 | 1.95 |
| 2021 | 35 | 3.60 | 0.06 | 1303.50 | 0.00 | 149.40 | 1.55 | 0.00 | 0.19 | 1.74 |
| 2022 | 36 | 3.60 | 0.06 | 1303.50 | 0.00 | 149.40 | 1.38 | 0.00 | 0.17 | 1.56 |
| 2023 | 37 | 3.60 | 0.05 | 1303.50 | 0.00 | 149.40 | 1.23 | 0.00 | 0.15 | 1.39 |
| 2024 | 38 | 3.60 | 0.04 | 1303.50 | 0.00 | 149.40 | 1.10 | 0.00 | 0.13 | 1.24 |
| 2025 | 39 | 3.60 | 0.04 | 1303.50 | 0.00 | 149.40 | 0.98 | 0.00 | 0.12 | 1.11 |
| 2026 | 40 | 3.60 | 0.03 | 1303.50 | 0.00 | 149.40 | 0.88 | 0.00 | 0.10 | 0.99 |
| 2027 | 41 | 3.60 | 0.03 | 1303.50 | 0.00 | 149.40 | 0.78 | 0.00 | 0.09 | 0.88 |
| 2028 | 42 | 3.60 | 0.03 | 1303.50 | 0.00 | 149.40 | 0.70 | 0.00 | 0.08 | 0.79 |
| 2029 | 43 | 3.60 | 0.02 | 1303.50 | 0.00 | 149.40 | 0.62 | 0.00 | 0.07 | 0.70 |
| 2030 | 44 | 3.60 | 0.02 | 1303.50 | 0.00 | 149.40 | 0.56 | 0.00 | 0.06 | 0.63 |
| 2031 | 45 | 3.60 | 0.02 | 1303.50 | 0.00 | 149.40 | 0.50 | 0.00 | 0.06 | 0.56 |
| 2032 | 46 | 3.60 | 0.01 | 1303.50 | 0.00 | 149.40 | 0.44 | 0.00 | 0.05 | 0.50 |
| 2033 | 47 | 3.60 | 0.01 | 1303.50 | 0.00 | 149.40 | 0.39 | 0.00 | 0.04 | 0.44 |
| 2034 | 48 | 3.60 | 0.01 | 1303.50 | 0.00 | 149.40 | 0.35 | 0.00 | 0.04 | 0.40 |
| 2035 | 49 | 3.60 | 0.01 | 1303.50 | 0.00 | 149.40 | 0.31 | 0.00 | 0.03 | 0.35 |
| 2036 | 50 | 3.60 | 0.01 | 1303.50 | 0.00 | 149.40 | 0.28 | 0.00 | 0.03 | 0.31 |
| 2037 | 51 | 3.60 | 0.01 | 1303.50 | 0.00 | 149.40 | 0.25 | 0.00 | 0.03 | 0.28 |
| 2038 | 52 | 3.60 | 0.00 | 1303.50 | 0.00 | 149.40 | 0.22 | 0.00 | 0.02 | 0.25 |
| 2039 | 53 | 3.60 | 0.00 | 1303.50 | 0.00 | 149.40 | 0.20 | 0.00 | 0.02 | 0.22 |
| 2040 | 54 | 3.60 | 0.00 | 1303.50 | 0.00 | 149.40 | 0.18 | 0.00 | 0.02 | 0.20 |
| 2041 | 55 | 3.60 | 0.00 | 1303.50 | 0.00 | 149.40 | 0.16 | 0.00 | 0.01 | 0.18 |
| 2042 | 56 | 3.60 | 0.00 | 1303.50 | 0.00 | 149.40 | 0.14 | 0.00 | 0.01 | 0.16 |
| 2043 | 57 | 3.60 | 0.00 | 1303.50 | 0.00 | 149.40 | 0.12 | 0.00 | 0.01 | 0.14 |
| Total | | 508.93 | 183.74 | | | | 172.99 | 8.39 | 30.69 | 212.08 |

C1: average net cost of useful salable energy and capacity

C2: average net cost of useful salable energy

C3: average net cost of total energy and capacity

Discounted Cash Flow Method Case- 1 - 70

Discount rate= 12(%)

B = 228.20

C = 188.88

B/C = 1.208

B-C = 39.32

S = 1

kW Value B1= 68 US\$/kW

kWh Value B2= 0.063 US\$/kWh

kWh Value B3= 0.005 US\$/kWh

C1= 0.061117172

C2= 0.049534151

C3= 0.037754520

UNIT=Million US\$

| Year | Serial Number | Cost Flow | Discounted Cost Flow | Project Sales | | | Discounted Benefit Flow | | | |
|-------|---------------|-----------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------|-----------------|--------|
| | | | | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | Salable Energy | Surplus Energy | Useful Capacity | Total |
| 1987 | 1 | 4.81 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1988 | 2 | 19.57 | 15.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1989 | 3 | 21.57 | 15.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1990 | 4 | 22.25 | 14.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1991 | 5 | 41.94 | 23.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1992 | 6 | 61.20 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1993 | 7 | 102.14 | 46.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1994 | 8 | 52.10 | 21.04 | 179.00 | 836.10 | 52.00 | 4.55 | 1.68 | 1.42 | 7.67 |
| 1995 | 9 | 2.48 | 0.89 | 256.00 | 759.10 | 69.00 | 5.81 | 1.36 | 1.69 | 8.87 |
| 1996 | 10 | 7.61 | 2.45 | 333.00 | 682.10 | 86.10 | 6.75 | 1.09 | 1.88 | 9.73 |
| 1997 | 11 | 13.21 | 3.79 | 415.00 | 600.10 | 104.20 | 7.51 | 0.86 | 2.03 | 10.41 |
| 1998 | 12 | 9.24 | 2.37 | 500.00 | 1014.40 | 123.20 | 8.08 | 1.30 | 2.15 | 11.53 |
| 1999 | 13 | 3.73 | 0.85 | 588.00 | 926.40 | 143.00 | 8.48 | 1.06 | 2.22 | 11.77 |
| 2000 | 14 | 3.73 | 0.76 | 680.00 | 834.40 | 163.70 | 8.76 | 0.85 | 2.27 | 11.89 |
| 2001 | 15 | 3.73 | 0.68 | 776.00 | 738.40 | 174.90 | 8.93 | 0.67 | 2.17 | 11.77 |
| 2002 | 16 | 3.73 | 0.60 | 876.00 | 638.40 | 174.90 | 9.00 | 0.52 | 1.94 | 11.46 |
| 2003 | 17 | 3.73 | 0.54 | 980.00 | 534.40 | 174.90 | 8.99 | 0.38 | 1.73 | 11.11 |
| 2004 | 18 | 3.73 | 0.48 | 1089.00 | 425.40 | 174.90 | 8.92 | 0.27 | 1.54 | 10.74 |
| 2005 | 19 | 3.73 | 0.43 | 1201.00 | 313.40 | 174.90 | 8.78 | 0.18 | 1.38 | 10.34 |
| 2006 | 20 | 3.73 | 0.38 | 1318.00 | 196.40 | 174.90 | 8.60 | 0.10 | 1.23 | 9.94 |
| 2007 | 21 | 3.73 | 0.34 | 1440.00 | 74.40 | 174.90 | 8.39 | 0.03 | 1.10 | 9.53 |
| 2008 | 22 | 3.73 | 0.30 | 1514.40 | 0.00 | 174.90 | 7.88 | 0.00 | 0.98 | 8.86 |
| 2009 | 23 | 3.73 | 0.27 | 1514.40 | 0.00 | 174.90 | 7.03 | 0.00 | 0.87 | 7.91 |
| 2010 | 24 | 3.73 | 0.24 | 1514.40 | 0.00 | 174.90 | 6.28 | 0.00 | 0.78 | 7.06 |
| 2011 | 25 | 3.73 | 0.21 | 1514.40 | 0.00 | 174.90 | 5.61 | 0.00 | 0.69 | 6.31 |
| 2012 | 26 | 3.73 | 0.19 | 1514.40 | 0.00 | 174.90 | 5.01 | 0.00 | 0.62 | 5.63 |
| 2013 | 27 | 3.73 | 0.17 | 1514.40 | 0.00 | 174.90 | 4.47 | 0.00 | 0.55 | 5.03 |
| 2014 | 28 | 3.73 | 0.15 | 1514.40 | 0.00 | 174.90 | 3.99 | 0.00 | 0.49 | 4.49 |
| 2015 | 29 | 3.73 | 0.13 | 1514.40 | 0.00 | 174.90 | 3.56 | 0.00 | 0.44 | 4.01 |
| 2016 | 30 | 3.73 | 0.12 | 1514.40 | 0.00 | 174.90 | 3.18 | 0.00 | 0.39 | 3.58 |
| 2017 | 31 | 3.73 | 0.11 | 1514.40 | 0.00 | 174.90 | 2.84 | 0.00 | 0.35 | 3.19 |
| 2018 | 32 | 3.73 | 0.09 | 1514.40 | 0.00 | 174.90 | 2.53 | 0.00 | 0.31 | 2.85 |
| 2019 | 33 | 3.73 | 0.08 | 1514.40 | 0.00 | 174.90 | 2.26 | 0.00 | 0.28 | 2.54 |
| 2020 | 34 | 3.73 | 0.07 | 1514.40 | 0.00 | 174.90 | 2.02 | 0.00 | 0.25 | 2.27 |
| 2021 | 35 | 3.73 | 0.07 | 1514.40 | 0.00 | 174.90 | 1.80 | 0.00 | 0.22 | 2.03 |
| 2022 | 36 | 3.73 | 0.06 | 1514.40 | 0.00 | 174.90 | 1.61 | 0.00 | 0.20 | 1.81 |
| 2023 | 37 | 3.73 | 0.05 | 1514.40 | 0.00 | 174.90 | 1.44 | 0.00 | 0.17 | 1.62 |
| 2024 | 38 | 3.73 | 0.05 | 1514.40 | 0.00 | 174.90 | 1.28 | 0.00 | 0.16 | 1.44 |
| 2025 | 39 | 3.73 | 0.04 | 1514.40 | 0.00 | 174.90 | 1.14 | 0.00 | 0.14 | 1.29 |
| 2026 | 40 | 3.73 | 0.04 | 1514.40 | 0.00 | 174.90 | 1.02 | 0.00 | 0.12 | 1.15 |
| 2027 | 41 | 3.73 | 0.03 | 1514.40 | 0.00 | 174.90 | 0.91 | 0.00 | 0.11 | 1.02 |
| 2028 | 42 | 3.73 | 0.03 | 1514.40 | 0.00 | 174.90 | 0.81 | 0.00 | 0.10 | 0.91 |
| 2029 | 43 | 3.73 | 0.02 | 1514.40 | 0.00 | 174.90 | 0.72 | 0.00 | 0.09 | 0.82 |
| 2030 | 44 | 3.73 | 0.02 | 1514.40 | 0.00 | 174.90 | 0.65 | 0.00 | 0.08 | 0.73 |
| 2031 | 45 | 3.73 | 0.02 | 1514.40 | 0.00 | 174.90 | 0.58 | 0.00 | 0.07 | 0.65 |
| 2032 | 46 | 3.73 | 0.02 | 1514.40 | 0.00 | 174.90 | 0.51 | 0.00 | 0.06 | 0.58 |
| 2033 | 47 | 3.73 | 0.01 | 1514.40 | 0.00 | 174.90 | 0.46 | 0.00 | 0.05 | 0.52 |
| 2034 | 48 | 3.73 | 0.01 | 1514.40 | 0.00 | 174.90 | 0.41 | 0.00 | 0.05 | 0.46 |
| 2035 | 49 | 3.73 | 0.01 | 1514.40 | 0.00 | 174.90 | 0.36 | 0.00 | 0.04 | 0.41 |
| 2036 | 50 | 3.73 | 0.01 | 1514.40 | 0.00 | 174.90 | 0.33 | 0.00 | 0.04 | 0.37 |
| 2037 | 51 | 3.73 | 0.01 | 1514.40 | 0.00 | 174.90 | 0.29 | 0.00 | 0.03 | 0.33 |
| 2038 | 52 | 3.73 | 0.01 | 1514.40 | 0.00 | 174.90 | 0.26 | 0.00 | 0.03 | 0.29 |
| 2039 | 53 | 3.73 | 0.00 | 1514.40 | 0.00 | 174.90 | 0.23 | 0.00 | 0.02 | 0.26 |
| 2040 | 54 | 3.73 | 0.00 | 1514.40 | 0.00 | 174.90 | 0.20 | 0.00 | 0.02 | 0.23 |
| 2041 | 55 | 3.73 | 0.00 | 1514.40 | 0.00 | 174.90 | 0.18 | 0.00 | 0.02 | 0.21 |
| 2042 | 56 | 3.73 | 0.00 | 1514.40 | 0.00 | 174.90 | 0.16 | 0.00 | 0.02 | 0.18 |
| 2043 | 57 | 3.73 | 0.00 | 1514.40 | 0.00 | 174.90 | 0.14 | 0.00 | 0.01 | 0.16 |
| Total | | 525.97 | 188.88 | | | | 183.96 | 10.41 | 33.82 | 228.20 |

C1: average net cost of useful salable energy and capacity

C2: average net cost of useful salable energy

C3: average net cost of total energy and capacity

Discounted Cash Flow Method

Case- 1 - 80

Discount rate= 12(%)

B = 242.02
C = 193.17
B/C = 1.252
B-C = 48.85

S = 1
kW Value B1 = 68 US\$/kW
kWh Value B2 = 0.063 US\$/kWh
kWh Value B3 = 0.005 US\$/kWh

C1 = 0.059009402
C2 = 0.047048685
C3 = 0.034799634

UNIT: Million US\$

| Year | Serial Number | Cost Flow | Discounted Cost Flow | Project Sales | | | Discounted Benefit Flow | | | |
|-------|---------------|-----------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------|-----------------|--------|
| | | | | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | Salable Energy | Surplus Energy | Useful Capacity | Total |
| 1987 | 1 | 4.81 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1988 | 2 | 19.57 | 15.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1989 | 3 | 21.57 | 15.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1990 | 4 | 22.77 | 14.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1991 | 5 | 43.60 | 24.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1992 | 6 | 64.18 | 32.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1993 | 7 | 105.08 | 47.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1994 | 8 | 53.59 | 21.64 | 179.00 | 980.70 | 52.00 | 4.55 | 1.98 | 1.42 | 7.96 |
| 1995 | 9 | 2.56 | 0.92 | 256.00 | 903.70 | 69.00 | 5.81 | 1.62 | 1.69 | 9.13 |
| 1996 | 10 | 2.56 | 0.82 | 333.00 | 826.70 | 86.10 | 6.75 | 1.33 | 1.88 | 9.97 |
| 1997 | 11 | 8.10 | 2.32 | 415.00 | 744.70 | 104.20 | 7.51 | 1.07 | 2.03 | 10.62 |
| 1998 | 12 | 13.70 | 3.51 | 500.00 | 659.70 | 123.20 | 8.08 | 0.84 | 2.15 | 11.08 |
| 1999 | 13 | 9.36 | 2.14 | 588.00 | 1133.60 | 143.00 | 8.48 | 1.29 | 2.22 | 12.01 |
| 2000 | 14 | 3.84 | 0.78 | 680.00 | 1041.60 | 163.70 | 8.76 | 1.06 | 2.27 | 12.10 |
| 2001 | 15 | 3.84 | 0.70 | 776.00 | 945.60 | 185.40 | 8.93 | 0.86 | 2.30 | 12.09 |
| 2002 | 16 | 3.84 | 0.62 | 876.00 | 845.60 | 201.00 | 9.00 | 0.68 | 2.22 | 11.92 |
| 2003 | 17 | 3.84 | 0.55 | 980.00 | 741.60 | 201.00 | 8.99 | 0.54 | 1.99 | 11.52 |
| 2004 | 18 | 3.84 | 0.49 | 1089.00 | 632.60 | 201.00 | 8.92 | 0.41 | 1.77 | 11.11 |
| 2005 | 19 | 3.84 | 0.44 | 1201.00 | 520.60 | 201.00 | 8.78 | 0.30 | 1.58 | 10.67 |
| 2006 | 20 | 3.84 | 0.39 | 1318.00 | 403.60 | 201.00 | 8.60 | 0.20 | 1.41 | 10.23 |
| 2007 | 21 | 3.84 | 0.35 | 1440.00 | 281.60 | 201.00 | 8.39 | 0.13 | 1.26 | 9.79 |
| 2008 | 22 | 3.84 | 0.31 | 1567.00 | 154.60 | 201.00 | 8.15 | 0.06 | 1.12 | 9.35 |
| 2009 | 23 | 3.84 | 0.28 | 1699.00 | 22.60 | 201.00 | 7.89 | 0.00 | 1.00 | 8.91 |
| 2010 | 24 | 3.84 | 0.25 | 1721.60 | 0.00 | 201.00 | 7.14 | 0.00 | 0.90 | 8.04 |
| 2011 | 25 | 3.84 | 0.22 | 1721.60 | 0.00 | 201.00 | 6.38 | 0.00 | 0.80 | 7.18 |
| 2012 | 26 | 3.84 | 0.20 | 1721.60 | 0.00 | 201.00 | 5.69 | 0.00 | 0.71 | 6.41 |
| 2013 | 27 | 3.84 | 0.18 | 1721.60 | 0.00 | 201.00 | 5.08 | 0.00 | 0.64 | 5.72 |
| 2014 | 28 | 3.84 | 0.16 | 1721.60 | 0.00 | 201.00 | 4.54 | 0.00 | 0.57 | 5.11 |
| 2015 | 29 | 3.84 | 0.14 | 1721.60 | 0.00 | 201.00 | 4.05 | 0.00 | 0.51 | 4.56 |
| 2016 | 30 | 3.84 | 0.12 | 1721.60 | 0.00 | 201.00 | 3.62 | 0.00 | 0.45 | 4.07 |
| 2017 | 31 | 3.84 | 0.11 | 1721.60 | 0.00 | 201.00 | 3.23 | 0.00 | 0.40 | 3.63 |
| 2018 | 32 | 3.84 | 0.10 | 1721.60 | 0.00 | 201.00 | 2.88 | 0.00 | 0.36 | 3.24 |
| 2019 | 33 | 3.84 | 0.09 | 1721.60 | 0.00 | 201.00 | 2.57 | 0.00 | 0.32 | 2.90 |
| 2020 | 34 | 3.84 | 0.08 | 1721.60 | 0.00 | 201.00 | 2.30 | 0.00 | 0.28 | 2.59 |
| 2021 | 35 | 3.84 | 0.07 | 1721.60 | 0.00 | 201.00 | 2.05 | 0.00 | 0.25 | 2.31 |
| 2022 | 36 | 3.84 | 0.06 | 1721.60 | 0.00 | 201.00 | 1.83 | 0.00 | 0.23 | 2.06 |
| 2023 | 37 | 3.84 | 0.05 | 1721.60 | 0.00 | 201.00 | 1.63 | 0.00 | 0.20 | 1.84 |
| 2024 | 38 | 3.84 | 0.05 | 1721.60 | 0.00 | 201.00 | 1.46 | 0.00 | 0.18 | 1.64 |
| 2025 | 39 | 3.84 | 0.04 | 1721.60 | 0.00 | 201.00 | 1.30 | 0.00 | 0.16 | 1.46 |
| 2026 | 40 | 3.84 | 0.04 | 1721.60 | 0.00 | 201.00 | 1.16 | 0.00 | 0.14 | 1.31 |
| 2027 | 41 | 3.84 | 0.03 | 1721.60 | 0.00 | 201.00 | 1.04 | 0.00 | 0.13 | 1.17 |
| 2028 | 42 | 3.84 | 0.03 | 1721.60 | 0.00 | 201.00 | 0.92 | 0.00 | 0.11 | 1.04 |
| 2029 | 43 | 3.84 | 0.02 | 1721.60 | 0.00 | 201.00 | 0.82 | 0.00 | 0.10 | 0.93 |
| 2030 | 44 | 3.84 | 0.02 | 1721.60 | 0.00 | 201.00 | 0.74 | 0.00 | 0.09 | 0.83 |
| 2031 | 45 | 3.84 | 0.02 | 1721.60 | 0.00 | 201.00 | 0.66 | 0.00 | 0.08 | 0.74 |
| 2032 | 46 | 3.84 | 0.02 | 1721.60 | 0.00 | 201.00 | 0.59 | 0.00 | 0.07 | 0.66 |
| 2033 | 47 | 3.84 | 0.01 | 1721.60 | 0.00 | 201.00 | 0.52 | 0.00 | 0.06 | 0.59 |
| 2034 | 48 | 3.84 | 0.01 | 1721.60 | 0.00 | 201.00 | 0.47 | 0.00 | 0.05 | 0.53 |
| 2035 | 49 | 3.84 | 0.01 | 1721.60 | 0.00 | 201.00 | 0.42 | 0.00 | 0.05 | 0.47 |
| 2036 | 50 | 3.84 | 0.01 | 1721.60 | 0.00 | 201.00 | 0.37 | 0.00 | 0.04 | 0.42 |
| 2037 | 51 | 3.84 | 0.01 | 1721.60 | 0.00 | 201.00 | 0.33 | 0.00 | 0.04 | 0.37 |
| 2038 | 52 | 3.84 | 0.01 | 1721.60 | 0.00 | 201.00 | 0.29 | 0.00 | 0.03 | 0.33 |
| 2039 | 53 | 3.84 | 0.00 | 1721.60 | 0.00 | 201.00 | 0.26 | 0.00 | 0.03 | 0.30 |
| 2040 | 54 | 3.84 | 0.00 | 1721.60 | 0.00 | 201.00 | 0.23 | 0.00 | 0.03 | 0.26 |
| 2041 | 55 | 3.84 | 0.00 | 1721.60 | 0.00 | 201.00 | 0.21 | 0.00 | 0.02 | 0.23 |
| 2042 | 56 | 3.84 | 0.00 | 1721.60 | 0.00 | 201.00 | 0.19 | 0.00 | 0.02 | 0.21 |
| 2043 | 57 | 3.84 | 0.00 | 1721.60 | 0.00 | 201.00 | 0.16 | 0.00 | 0.02 | 0.19 |
| Total | | 540.41 | 193.17 | | | | 192.95 | 12.44 | 36.63 | 242.02 |

C1: average net cost of useful salable energy and capacity

C2: average net cost of useful salable energy

C3: average net cost of total energy and capacity

Discounted Cash Flow Method

Case 1 - 90

Discount rate = 12(%)

B = 250.57

C = 202.27

B/C = 1.238

B/C = 48.30

S = 1
 kW Value B1 = 68 US\$/kW
 kWh Value B2 = 0.063 US\$/kWh
 kWh Value B3 = 0.005 US\$/kWh

C1 = 0.060009441

C2 = 0.047647882

C3 = 0.034636752

UNIT: Million US\$

| Year | Serial Number | Cost Flow | Discounted Cost Flow | Project Sales | | | Discounted Benefit Flow | | | |
|-------|---------------|-----------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------|-----------------|--------|
| | | | | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | Salable Energy | Surplus Energy | Useful Capacity | Total |
| 1987 | 1 | 4.81 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1988 | 2 | 19.57 | 15.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1989 | 3 | 21.57 | 15.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1990 | 4 | 23.71 | 15.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1991 | 5 | 46.04 | 26.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1992 | 6 | 67.67 | 34.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1993 | 7 | 107.61 | 48.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1994 | 8 | 54.39 | 21.96 | 179.00 | 799.80 | 52.00 | 4.55 | 1.61 | 1.42 | 7.59 |
| 1995 | 9 | 6.96 | 2.50 | 256.00 | 722.80 | 69.00 | 5.81 | 1.30 | 1.69 | 8.81 |
| 1996 | 10 | 12.74 | 4.10 | 333.00 | 645.80 | 86.10 | 6.75 | 1.03 | 1.88 | 9.67 |
| 1997 | 11 | 8.56 | 2.46 | 415.00 | 1047.10 | 104.20 | 7.51 | 1.50 | 2.03 | 11.05 |
| 1998 | 12 | 7.98 | 2.04 | 500.00 | 962.10 | 123.20 | 8.08 | 1.23 | 2.15 | 11.47 |
| 1999 | 13 | 7.66 | 1.75 | 588.00 | 874.10 | 143.00 | 8.48 | 1.00 | 2.22 | 11.71 |
| 2000 | 14 | 5.49 | 1.12 | 680.00 | 1242.10 | 163.70 | 8.76 | 1.27 | 2.27 | 12.31 |
| 2001 | 15 | 4.08 | 0.74 | 776.00 | 1146.10 | 185.40 | 8.93 | 1.04 | 2.30 | 12.28 |
| 2002 | 16 | 4.08 | 0.66 | 876.00 | 1046.10 | 208.30 | 9.00 | 0.85 | 2.31 | 12.16 |
| 2003 | 17 | 4.08 | 0.59 | 980.00 | 942.10 | 224.80 | 8.99 | 0.68 | 2.22 | 11.90 |
| 2004 | 18 | 4.08 | 0.53 | 1089.00 | 833.10 | 224.80 | 8.92 | 0.54 | 1.98 | 11.45 |
| 2005 | 19 | 4.08 | 0.47 | 1201.00 | 721.10 | 224.80 | 8.78 | 0.41 | 1.77 | 10.97 |
| 2006 | 20 | 4.08 | 0.42 | 1318.00 | 604.10 | 224.80 | 8.60 | 0.31 | 1.58 | 10.50 |
| 2007 | 21 | 4.08 | 0.37 | 1440.00 | 482.10 | 224.80 | 8.39 | 0.22 | 1.41 | 10.03 |
| 2008 | 22 | 4.08 | 0.33 | 1567.00 | 355.10 | 224.80 | 8.15 | 0.14 | 1.26 | 9.56 |
| 2009 | 23 | 4.08 | 0.30 | 1699.00 | 223.10 | 224.80 | 7.89 | 0.08 | 1.12 | 9.10 |
| 2010 | 24 | 4.08 | 0.26 | 1837.00 | 85.10 | 224.80 | 7.62 | 0.02 | 1.00 | 8.65 |
| 2011 | 25 | 4.08 | 0.23 | 1863.20 | 58.90 | 224.80 | 6.90 | 0.01 | 0.89 | 7.82 |
| 2012 | 26 | 4.08 | 0.21 | 1863.20 | 58.90 | 224.80 | 6.16 | 0.01 | 0.80 | 6.98 |
| 2013 | 27 | 4.08 | 0.19 | 1863.20 | 58.90 | 224.80 | 5.50 | 0.01 | 0.71 | 6.23 |
| 2014 | 28 | 4.08 | 0.17 | 1863.20 | 58.90 | 224.80 | 4.91 | 0.01 | 0.64 | 5.56 |
| 2015 | 29 | 4.08 | 0.15 | 1863.20 | 58.90 | 224.80 | 4.38 | 0.01 | 0.57 | 4.97 |
| 2016 | 30 | 4.08 | 0.13 | 1863.20 | 58.90 | 224.80 | 3.91 | 0.00 | 0.51 | 4.43 |
| 2017 | 31 | 4.08 | 0.12 | 1863.20 | 58.90 | 224.80 | 3.49 | 0.00 | 0.45 | 3.96 |
| 2018 | 32 | 4.08 | 0.10 | 1863.20 | 58.90 | 224.80 | 3.12 | 0.00 | 0.40 | 3.53 |
| 2019 | 33 | 4.08 | 0.09 | 1863.20 | 58.90 | 224.80 | 2.78 | 0.00 | 0.36 | 3.15 |
| 2020 | 34 | 4.08 | 0.08 | 1863.20 | 58.90 | 224.80 | 2.48 | 0.00 | 0.32 | 2.82 |
| 2021 | 35 | 4.08 | 0.07 | 1863.20 | 58.90 | 224.80 | 2.22 | 0.00 | 0.28 | 2.51 |
| 2022 | 36 | 4.08 | 0.06 | 1863.20 | 58.90 | 224.80 | 1.98 | 0.00 | 0.25 | 2.24 |
| 2023 | 37 | 4.08 | 0.06 | 1863.20 | 58.90 | 224.80 | 1.77 | 0.00 | 0.23 | 2.00 |
| 2024 | 38 | 4.08 | 0.05 | 1863.20 | 58.90 | 224.80 | 1.58 | 0.00 | 0.20 | 1.79 |
| 2025 | 39 | 4.08 | 0.04 | 1863.20 | 58.90 | 224.80 | 1.41 | 0.00 | 0.18 | 1.60 |
| 2026 | 40 | 4.08 | 0.04 | 1863.20 | 58.90 | 224.80 | 1.26 | 0.00 | 0.16 | 1.42 |
| 2027 | 41 | 4.08 | 0.03 | 1863.20 | 58.90 | 224.80 | 1.12 | 0.00 | 0.14 | 1.27 |
| 2028 | 42 | 4.08 | 0.03 | 1863.20 | 58.90 | 224.80 | 1.00 | 0.00 | 0.13 | 1.13 |
| 2029 | 43 | 4.08 | 0.03 | 1863.20 | 58.90 | 224.80 | 0.89 | 0.00 | 0.11 | 1.01 |
| 2030 | 44 | 4.08 | 0.02 | 1863.20 | 58.90 | 224.80 | 0.80 | 0.00 | 0.10 | 0.90 |
| 2031 | 45 | 4.08 | 0.02 | 1863.20 | 58.90 | 224.80 | 0.71 | 0.00 | 0.09 | 0.81 |
| 2032 | 46 | 4.08 | 0.02 | 1863.20 | 58.90 | 224.80 | 0.63 | 0.00 | 0.08 | 0.72 |
| 2033 | 47 | 4.08 | 0.01 | 1863.20 | 58.90 | 224.80 | 0.57 | 0.00 | 0.07 | 0.64 |
| 2034 | 48 | 4.08 | 0.01 | 1863.20 | 58.90 | 224.80 | 0.50 | 0.00 | 0.06 | 0.57 |
| 2035 | 49 | 4.08 | 0.01 | 1863.20 | 58.90 | 224.80 | 0.45 | 0.00 | 0.05 | 0.51 |
| 2036 | 50 | 4.08 | 0.01 | 1863.20 | 58.90 | 224.80 | 0.40 | 0.00 | 0.05 | 0.46 |
| 2037 | 51 | 4.08 | 0.01 | 1863.20 | 58.90 | 224.80 | 0.36 | 0.00 | 0.04 | 0.41 |
| 2038 | 52 | 4.08 | 0.01 | 1863.20 | 58.90 | 224.80 | 0.32 | 0.00 | 0.04 | 0.36 |
| 2039 | 53 | 4.08 | 0.01 | 1863.20 | 58.90 | 224.80 | 0.28 | 0.00 | 0.03 | 0.32 |
| 2040 | 54 | 4.08 | 0.00 | 1863.20 | 58.90 | 224.80 | 0.25 | 0.00 | 0.03 | 0.29 |
| 2041 | 55 | 4.08 | 0.00 | 1863.20 | 58.90 | 224.80 | 0.23 | 0.00 | 0.03 | 0.26 |
| 2042 | 56 | 4.08 | 0.00 | 1863.20 | 58.90 | 224.80 | 0.20 | 0.00 | 0.02 | 0.23 |
| 2043 | 57 | 4.08 | 0.00 | 1863.20 | 58.90 | 224.80 | 0.18 | 0.00 | 0.02 | 0.20 |
| Total | | 570.20 | 202.27 | | | | 198.21 | 13.46 | 38.89 | 250.57 |

C1: average net cost of useful salable energy and capacity

C2: average net cost of useful salable energy

C3: average net cost of total energy and capacity

Discounted Cash Flow Method

Case- 1 - 100

Discount rate= 12(%)

B = 254.41
C = 210.45
B/C = 1.208
B-C = 43.96

S = 1
kW Value B1 = 68 US\$/kW
kWh Value B2 = 0.063 US\$/kWh
kWh Value B3 = 0.005 US\$/kWh

C1 = 0.062076650
C2 = 0.049027168
C3 = 0.034078518

UNIT-Million US\$

| Year | Serial Number | Cost Flow | Discounted Cost Flow | Project Sales | | | Discounted Benefit Flow | | | |
|-------|---------------|-----------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------|-----------------|--------|
| | | | | Salable Energy (GWh/Yr) | Surplus Energy (GWh/Yr) | Useful Capacity (MW) | Salable Energy | Surplus Energy | Useful Capacity | Total |
| 1987 | 1 | 4.81 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1988 | 2 | 19.57 | 15.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1989 | 3 | 21.57 | 15.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1990 | 4 | 24.35 | 15.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1991 | 5 | 48.02 | 27.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1992 | 6 | 71.04 | 35.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1993 | 7 | 111.03 | 50.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1994 | 8 | 55.90 | 22.57 | 179.00 | 908.50 | 52.00 | 4.55 | 1.83 | 1.42 | 7.81 |
| 1995 | 9 | 2.21 | 0.79 | 256.00 | 831.50 | 69.00 | 5.81 | 1.49 | 1.69 | 9.00 |
| 1996 | 10 | 7.29 | 2.34 | 333.00 | 754.50 | 86.10 | 6.75 | 1.21 | 1.88 | 9.85 |
| 1997 | 11 | 13.00 | 3.73 | 415.00 | 672.50 | 104.20 | 7.51 | 0.96 | 2.03 | 10.51 |
| 1998 | 12 | 8.93 | 2.29 | 500.00 | 1118.50 | 123.20 | 8.08 | 1.43 | 2.15 | 11.67 |
| 1999 | 13 | 8.39 | 1.92 | 588.00 | 1030.50 | 143.00 | 8.48 | 1.18 | 2.22 | 11.89 |
| 2000 | 14 | 17.82 | 3.64 | 680.00 | 938.50 | 163.70 | 8.76 | 0.96 | 2.27 | 12.00 |
| 2001 | 15 | 12.55 | 2.29 | 776.00 | 1330.20 | 185.40 | 8.93 | 1.21 | 2.30 | 12.45 |
| 2002 | 16 | 4.41 | 0.71 | 876.00 | 1230.20 | 208.30 | 9.00 | 1.00 | 2.31 | 12.31 |
| 2003 | 17 | 4.41 | 0.64 | 980.00 | 1126.10 | 232.30 | 8.99 | 0.82 | 2.30 | 12.11 |
| 2004 | 18 | 4.41 | 0.57 | 1089.00 | 1017.20 | 250.40 | 8.92 | 0.66 | 2.21 | 11.79 |
| 2005 | 19 | 4.41 | 0.51 | 1201.00 | 905.20 | 250.40 | 8.78 | 0.52 | 1.97 | 11.28 |
| 2006 | 20 | 4.41 | 0.45 | 1318.00 | 788.20 | 250.40 | 8.60 | 0.40 | 1.76 | 10.78 |
| 2007 | 21 | 4.41 | 0.40 | 1440.00 | 666.20 | 250.40 | 8.39 | 0.30 | 1.57 | 10.28 |
| 2008 | 22 | 4.41 | 0.36 | 1567.00 | 539.20 | 250.40 | 8.15 | 0.22 | 1.40 | 9.78 |
| 2009 | 23 | 4.41 | 0.32 | 1699.00 | 407.20 | 250.40 | 7.89 | 0.15 | 1.25 | 9.30 |
| 2010 | 24 | 4.41 | 0.29 | 1837.00 | 269.20 | 250.40 | 7.62 | 0.08 | 1.12 | 8.83 |
| 2011 | 25 | 4.41 | 0.25 | 1863.20 | 243.00 | 250.40 | 6.90 | 0.07 | 1.00 | 7.97 |
| 2012 | 26 | 4.41 | 0.23 | 1863.20 | 243.00 | 250.40 | 6.16 | 0.06 | 0.89 | 7.12 |
| 2013 | 27 | 4.41 | 0.20 | 1863.20 | 243.00 | 250.40 | 5.50 | 0.05 | 0.79 | 6.35 |
| 2014 | 28 | 4.41 | 0.18 | 1863.20 | 243.00 | 250.40 | 4.91 | 0.05 | 0.71 | 5.67 |
| 2015 | 29 | 4.41 | 0.16 | 1863.20 | 243.00 | 250.40 | 4.38 | 0.04 | 0.63 | 5.07 |
| 2016 | 30 | 4.41 | 0.14 | 1863.20 | 243.00 | 250.40 | 3.91 | 0.04 | 0.56 | 4.52 |
| 2017 | 31 | 4.41 | 0.13 | 1863.20 | 243.00 | 250.40 | 3.49 | 0.03 | 0.50 | 4.04 |
| 2018 | 32 | 4.41 | 0.11 | 1863.20 | 243.00 | 250.40 | 3.12 | 0.03 | 0.45 | 3.60 |
| 2019 | 33 | 4.41 | 0.10 | 1863.20 | 243.00 | 250.40 | 2.78 | 0.02 | 0.40 | 3.22 |
| 2020 | 34 | 4.41 | 0.09 | 1863.20 | 243.00 | 250.40 | 2.48 | 0.02 | 0.36 | 2.87 |
| 2021 | 35 | 4.41 | 0.08 | 1863.20 | 243.00 | 250.40 | 2.22 | 0.02 | 0.32 | 2.56 |
| 2022 | 36 | 4.41 | 0.07 | 1863.20 | 243.00 | 250.40 | 1.98 | 0.02 | 0.28 | 2.29 |
| 2023 | 37 | 4.41 | 0.06 | 1863.20 | 243.00 | 250.40 | 1.77 | 0.01 | 0.25 | 2.04 |
| 2024 | 38 | 4.41 | 0.05 | 1863.20 | 243.00 | 250.40 | 1.58 | 0.01 | 0.22 | 1.82 |
| 2025 | 39 | 4.41 | 0.05 | 1863.20 | 243.00 | 250.40 | 1.41 | 0.01 | 0.20 | 1.63 |
| 2026 | 40 | 4.41 | 0.04 | 1863.20 | 243.00 | 250.40 | 1.26 | 0.01 | 0.18 | 1.45 |
| 2027 | 41 | 4.41 | 0.04 | 1863.20 | 243.00 | 250.40 | 1.12 | 0.01 | 0.16 | 1.30 |
| 2028 | 42 | 4.41 | 0.03 | 1863.20 | 243.00 | 250.40 | 1.00 | 0.01 | 0.14 | 1.16 |
| 2029 | 43 | 4.41 | 0.03 | 1863.20 | 243.00 | 250.40 | 0.89 | 0.00 | 0.13 | 1.03 |
| 2030 | 44 | 4.41 | 0.03 | 1863.20 | 243.00 | 250.40 | 0.80 | 0.00 | 0.11 | 0.92 |
| 2031 | 45 | 4.41 | 0.02 | 1863.20 | 243.00 | 250.40 | 0.71 | 0.00 | 0.10 | 0.82 |
| 2032 | 46 | 4.41 | 0.02 | 1863.20 | 243.00 | 250.40 | 0.63 | 0.00 | 0.09 | 0.73 |
| 2033 | 47 | 4.41 | 0.02 | 1863.20 | 243.00 | 250.40 | 0.57 | 0.00 | 0.08 | 0.65 |
| 2034 | 48 | 4.41 | 0.01 | 1863.20 | 243.00 | 250.40 | 0.50 | 0.00 | 0.07 | 0.58 |
| 2035 | 49 | 4.41 | 0.01 | 1863.20 | 243.00 | 250.40 | 0.45 | 0.00 | 0.06 | 0.52 |
| 2036 | 50 | 4.41 | 0.01 | 1863.20 | 243.00 | 250.40 | 0.40 | 0.00 | 0.05 | 0.46 |
| 2037 | 51 | 4.41 | 0.01 | 1863.20 | 243.00 | 250.40 | 0.36 | 0.00 | 0.05 | 0.41 |
| 2038 | 52 | 4.41 | 0.01 | 1863.20 | 243.00 | 250.40 | 0.32 | 0.00 | 0.04 | 0.37 |
| 2039 | 53 | 4.41 | 0.01 | 1863.20 | 243.00 | 250.40 | 0.28 | 0.00 | 0.04 | 0.33 |
| 2040 | 54 | 4.41 | 0.00 | 1863.20 | 243.00 | 250.40 | 0.25 | 0.00 | 0.03 | 0.29 |
| 2041 | 55 | 4.41 | 0.00 | 1863.20 | 243.00 | 250.40 | 0.23 | 0.00 | 0.03 | 0.26 |
| 2042 | 56 | 4.41 | 0.00 | 1863.20 | 243.00 | 250.40 | 0.20 | 0.00 | 0.02 | 0.23 |
| 2043 | 57 | 4.41 | 0.00 | 1863.20 | 243.00 | 250.40 | 0.18 | 0.00 | 0.02 | 0.21 |
| Total | | 611.70 | 210.45 | | | | 198.21 | 15.14 | 41.05 | 254.41 |

C1: average net cost of useful salable energy and capacity

C2: average net cost of useful salable energy

C3: average net cost of total energy and capacity

Discounted Cash Flow Method

Case- 1-80-830

Discount rate= 12(%)

B = 238.07

C = 189.49

B/C = 1.256

B C = 48.58

S =

1

kW Value B1= 68 US\$/kW

kWh Value B2= 0.063 US\$/kWh

kWh Value B3= 0.005 US\$/kWh

C1= 0.058803134

C2= 0.046933589

C3= 0.035365278

UNIT: Million US\$

| Year | Serial Number | Cost Flow | Discounted Cost Flow | Project Sales | | | Discounted Benefit Flow | | | |
|-------|---------------|-----------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------|-----------------|--------|
| | | | | Salable Energy (GWH/Yr) | Surplus Energy (GWH/Yr) | Useful Capacity (MW) | Salable Energy | Surplus Energy | Useful Capacity | Total |
| 1987 | 1 | 4.81 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1988 | 2 | 19.57 | 15.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1989 | 3 | 21.57 | 15.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1990 | 4 | 21.96 | 13.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1991 | 5 | 41.11 | 23.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1992 | 6 | 61.59 | 31.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1993 | 7 | 103.28 | 46.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1994 | 8 | 52.61 | 21.24 | 179.00 | 940.40 | 52.00 | 4.55 | 1.89 | 1.42 | 7.88 |
| 1995 | 9 | 2.51 | 0.90 | 256.00 | 863.40 | 69.00 | 5.81 | 1.55 | 1.69 | 9.06 |
| 1996 | 10 | 8.01 | 2.57 | 333.00 | 786.40 | 86.10 | 6.75 | 1.26 | 1.88 | 9.90 |
| 1997 | 11 | 13.61 | 3.91 | 415.00 | 704.40 | 104.20 | 7.51 | 1.01 | 2.03 | 10.56 |
| 1998 | 12 | 9.27 | 2.37 | 500.00 | 619.40 | 123.20 | 8.08 | 0.79 | 2.15 | 11.03 |
| 1999 | 13 | 3.77 | 0.86 | 588.00 | 1073.80 | 143.00 | 8.48 | 1.23 | 2.22 | 11.94 |
| 2000 | 14 | 3.77 | 0.77 | 680.00 | 981.80 | 163.70 | 8.76 | 1.00 | 2.27 | 12.04 |
| 2001 | 15 | 3.77 | 0.68 | 776.00 | 885.80 | 185.40 | 8.93 | 0.80 | 2.30 | 12.04 |
| 2002 | 16 | 3.77 | 0.61 | 876.00 | 785.80 | 193.80 | 9.00 | 0.64 | 2.14 | 11.79 |
| 2003 | 17 | 3.77 | 0.54 | 980.00 | 681.80 | 193.80 | 8.99 | 0.49 | 1.91 | 11.40 |
| 2004 | 18 | 3.77 | 0.49 | 1089.00 | 572.80 | 193.80 | 8.92 | 0.37 | 1.71 | 11.00 |
| 2005 | 19 | 3.77 | 0.43 | 1201.00 | 460.80 | 193.80 | 8.78 | 0.26 | 1.53 | 10.58 |
| 2006 | 20 | 3.77 | 0.39 | 1318.00 | 343.80 | 193.80 | 8.60 | 0.17 | 1.36 | 10.15 |
| 2007 | 21 | 3.77 | 0.34 | 1440.00 | 221.80 | 193.80 | 8.39 | 0.10 | 1.21 | 9.71 |
| 2008 | 22 | 3.77 | 0.31 | 1567.00 | 94.80 | 193.80 | 8.15 | 0.03 | 1.08 | 9.28 |
| 2009 | 23 | 3.77 | 0.27 | 1661.80 | 0.00 | 193.80 | 7.72 | 0.00 | 0.97 | 8.69 |
| 2010 | 24 | 3.77 | 0.24 | 1661.80 | 0.00 | 193.80 | 6.89 | 0.00 | 0.86 | 7.76 |
| 2011 | 25 | 3.77 | 0.22 | 1661.80 | 0.00 | 193.80 | 6.15 | 0.00 | 0.77 | 6.93 |
| 2012 | 26 | 3.77 | 0.19 | 1661.80 | 0.00 | 193.80 | 5.49 | 0.00 | 0.69 | 6.19 |
| 2013 | 27 | 3.77 | 0.17 | 1661.80 | 0.00 | 193.80 | 4.90 | 0.00 | 0.61 | 5.52 |
| 2014 | 28 | 3.77 | 0.15 | 1661.80 | 0.00 | 193.80 | 4.38 | 0.00 | 0.55 | 4.93 |
| 2015 | 29 | 3.77 | 0.14 | 1661.80 | 0.00 | 193.80 | 3.91 | 0.00 | 0.49 | 4.40 |
| 2016 | 30 | 3.77 | 0.12 | 1661.80 | 0.00 | 193.80 | 3.49 | 0.00 | 0.43 | 3.93 |
| 2017 | 31 | 3.77 | 0.11 | 1661.80 | 0.00 | 193.80 | 3.12 | 0.00 | 0.39 | 3.51 |
| 2018 | 32 | 3.77 | 0.10 | 1661.80 | 0.00 | 193.80 | 2.78 | 0.00 | 0.35 | 3.13 |
| 2019 | 33 | 3.77 | 0.08 | 1661.80 | 0.00 | 193.80 | 2.48 | 0.00 | 0.31 | 2.80 |
| 2020 | 34 | 3.77 | 0.07 | 1661.80 | 0.00 | 193.80 | 2.22 | 0.00 | 0.27 | 2.50 |
| 2021 | 35 | 3.77 | 0.07 | 1661.80 | 0.00 | 193.80 | 1.98 | 0.00 | 0.24 | 2.23 |
| 2022 | 36 | 3.77 | 0.06 | 1661.80 | 0.00 | 193.80 | 1.77 | 0.00 | 0.22 | 1.99 |
| 2023 | 37 | 3.77 | 0.05 | 1661.80 | 0.00 | 193.80 | 1.58 | 0.00 | 0.19 | 1.77 |
| 2024 | 38 | 3.77 | 0.05 | 1661.80 | 0.00 | 193.80 | 1.41 | 0.00 | 0.17 | 1.58 |
| 2025 | 39 | 3.77 | 0.04 | 1661.80 | 0.00 | 193.80 | 1.26 | 0.00 | 0.15 | 1.41 |
| 2026 | 40 | 3.77 | 0.04 | 1661.80 | 0.00 | 193.80 | 1.12 | 0.00 | 0.14 | 1.26 |
| 2027 | 41 | 3.77 | 0.03 | 1661.80 | 0.00 | 193.80 | 1.00 | 0.00 | 0.12 | 1.13 |
| 2028 | 42 | 3.77 | 0.03 | 1661.80 | 0.00 | 193.80 | 0.89 | 0.00 | 0.11 | 1.00 |
| 2029 | 43 | 3.77 | 0.02 | 1661.80 | 0.00 | 193.80 | 0.80 | 0.00 | 0.10 | 0.90 |
| 2030 | 44 | 3.77 | 0.02 | 1661.80 | 0.00 | 193.80 | 0.71 | 0.00 | 0.09 | 0.80 |
| 2031 | 45 | 3.77 | 0.02 | 1661.80 | 0.00 | 193.80 | 0.63 | 0.00 | 0.08 | 0.71 |
| 2032 | 46 | 3.77 | 0.02 | 1661.80 | 0.00 | 193.80 | 0.57 | 0.00 | 0.07 | 0.64 |
| 2033 | 47 | 3.77 | 0.01 | 1661.80 | 0.00 | 193.80 | 0.50 | 0.00 | 0.06 | 0.57 |
| 2034 | 48 | 3.77 | 0.01 | 1661.80 | 0.00 | 193.80 | 0.45 | 0.00 | 0.05 | 0.51 |
| 2035 | 49 | 3.77 | 0.01 | 1661.80 | 0.00 | 193.80 | 0.40 | 0.00 | 0.05 | 0.45 |
| 2036 | 50 | 3.77 | 0.01 | 1661.80 | 0.00 | 193.80 | 0.36 | 0.00 | 0.04 | 0.40 |
| 2037 | 51 | 3.77 | 0.01 | 1661.80 | 0.00 | 193.80 | 0.32 | 0.00 | 0.04 | 0.36 |
| 2038 | 52 | 3.77 | 0.01 | 1661.80 | 0.00 | 193.80 | 0.28 | 0.00 | 0.03 | 0.32 |
| 2039 | 53 | 3.77 | 0.00 | 1661.80 | 0.00 | 193.80 | 0.25 | 0.00 | 0.03 | 0.29 |
| 2040 | 54 | 3.77 | 0.00 | 1661.80 | 0.00 | 193.80 | 0.23 | 0.00 | 0.02 | 0.25 |
| 2041 | 55 | 3.77 | 0.00 | 1661.80 | 0.00 | 193.80 | 0.20 | 0.00 | 0.02 | 0.23 |
| 2042 | 56 | 3.77 | 0.00 | 1661.80 | 0.00 | 193.80 | 0.18 | 0.00 | 0.02 | 0.20 |
| 2043 | 57 | 3.77 | 0.00 | 1661.80 | 0.00 | 193.80 | 0.16 | 0.00 | 0.02 | 0.18 |
| Total | | 529.55 | 189.49 | | | | 190.51 | 11.67 | 35.89 | 238.07 |

C1: average net cost of useful salable energy and capacity

C2: average net cost of useful salable energy

C3: average net cost of total energy and capacity