

Table 3.1 Average Rainfall and Rainfall Pattern by River Basin (1/41)

| River Basin Code (SWS Code) | Name of River Basin (Name of SWS) | Index No. | Name of Station | Average Rainfall (mm) | | | | | | | | | | | | Record Period (Year) | Increase (+) or Decrease (-) | Ranking of Monthly Rainfall (1=Max., 12=Min.) | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----------------------------------|-----------|-----------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|------------------------------|---|-----|-----|---|---|---|---|---|---|---|--|-----|----|----|----|----|----|----|----|---|---|---|---|
| | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | | | | | | | |
| | | | | 197 | 111 | 57 | 106 | 67 | 43 | 40 | 47 | 104 | 109 | 205 | 127 | | | 1213 | 11 | + | - | + | - | - | - | - | - | - | - | - | | | | | | | | | | |
| 1010 | Krueng Aceh | 135 | Cotpaya | 197 | 111 | 57 | 106 | 67 | 43 | 40 | 47 | 104 | 109 | 205 | 127 | 1213 | 11 | + | - | + | - <td>-<td>-<td>-<td>-<td>-<td>-<td>- <td>2</td><td>4</td><td>9</td><td>6</td><td>8</td><td>11</td><td>12</td><td>10</td><td>7</td><td>5</td><td>1</td><td>3</td> </td></td></td></td></td></td></td> | - <td>-<td>-<td>-<td>-<td>-<td>- <td>2</td><td>4</td><td>9</td><td>6</td><td>8</td><td>11</td><td>12</td><td>10</td><td>7</td><td>5</td><td>1</td><td>3</td> </td></td></td></td></td></td> | - <td>-<td>-<td>-<td>-<td>- <td>2</td><td>4</td><td>9</td><td>6</td><td>8</td><td>11</td><td>12</td><td>10</td><td>7</td><td>5</td><td>1</td><td>3</td> </td></td></td></td></td> | - <td>-<td>-<td>-<td>- <td>2</td><td>4</td><td>9</td><td>6</td><td>8</td><td>11</td><td>12</td><td>10</td><td>7</td><td>5</td><td>1</td><td>3</td> </td></td></td></td> | - <td>-<td>-<td>- <td>2</td><td>4</td><td>9</td><td>6</td><td>8</td><td>11</td><td>12</td><td>10</td><td>7</td><td>5</td><td>1</td><td>3</td> </td></td></td> | - <td>-<td>- <td>2</td><td>4</td><td>9</td><td>6</td><td>8</td><td>11</td><td>12</td><td>10</td><td>7</td><td>5</td><td>1</td><td>3</td> </td></td> | - <td>- <td>2</td><td>4</td><td>9</td><td>6</td><td>8</td><td>11</td><td>12</td><td>10</td><td>7</td><td>5</td><td>1</td><td>3</td> </td> | - <td>2</td> <td>4</td> <td>9</td> <td>6</td> <td>8</td> <td>11</td> <td>12</td> <td>10</td> <td>7</td> <td>5</td> <td>1</td> <td>3</td> | 2 | 4 | 9 | 6 | 8 | 11 | 12 | 10 | 7 | 5 | 1 | 3 |
| (101) | (Krueng Aceh) | 140 | Uleklareng | 173 | 115 | 113 | 136 | 117 | 95 | 56 | 98 | 107 | 155 | 200 | 190 | 1555 | 11 | - | - | + | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 5 | 6 | 11 | 12 | 10 | 9 | 4 | 1 | 2 |
| | | 145 | Sibreh | 217 | 108 | 120 | 178 | 103 | 75 | 55 | 86 | 98 | 149 | 225 | 207 | 1621 | 11 | + | + | + | - | - | - | - | - | - | - | - | 2 | 7 | 6 | 4 | 8 | 11 | 12 | 10 | 9 | 5 | 1 | 3 |
| | | 146 | Kruengraya | 160 | 128 | 87 | 125 | 67 | 27 | 16 | 43 | 62 | 117 | 166 | 199 | 1197 | 11 | - | - | + | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 5 | 8 | 11 | 12 | 10 | 9 | 6 | 2 | 1 |
| | | 147 | Kotaraja | 168 | 101 | 101 | 116 | 147 | 93 | 84 | 109 | 137 | 195 | 202 | 170 | 1623 | 18 | - | - | + | - | - | - | - | - | - | - | - | 4 | 9 | 7 | 5 | 11 | 12 | 8 | 6 | 2 | 1 | 3 | |
| | | 150 | Indrapuri | 194 | 134 | 226 | 223 | 202 | 119 | 107 | 144 | 138 | 267 | 333 | 250 | 2337 | 14 | - | - | + | - | - | - | - | - | - | - | - | 7 | 10 | 4 | 5 | 6 | 11 | 12 | 8 | 9 | 2 | 1 | 3 |
| | | 159 | Peukanene | 187 | 155 | 127 | 136 | 113 | 69 | 61 | 79 | 104 | 135 | 244 | 189 | 1599 | 10 | - | - | + | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 5 | 8 | 11 | 12 | 10 | 9 | 6 | 1 | 2 |
| | | 160 | Lamsic | 148 | 121 | 152 | 204 | 117 | 73 | 42 | 91 | 147 | 216 | 266 | 260 | 1837 | 11 | - | - | + | - | - | - | - | - | - | - | - | 6 | 8 | 5 | 4 | 9 | 11 | 12 | 10 | 7 | 3 | 1 | 2 |
| | Sampling Average | | | 181 | 122 | 123 | 153 | 117 | 74 | 58 | 87 | 112 | 168 | 230 | 199 | 1623 | | - | - | + | - | - | - | - | - | - | - | 3 | 7 | 6 | 5 | 8 | 11 | 12 | 10 | 9 | 4 | 1 | 2 | |
| 1020 | Meureudu-Ureun | 134 | Tangse | 153 | 127 | 190 | 221 | 166 | 115 | 95 | 151 | 177 | 245 | 308 | 166 | 2114 | 16 | - | - | + | - | - | - | - | - | - | - | 8 | 10 | 4 | 3 | 6 | 11 | 12 | 9 | 5 | 2 | 1 | 6 | |
| (102) | (Meureudu-Ureun) | 139 | Padangtiji | 282 | 145 | 168 | 159 | 99 | 51 | 46 | 94 | 110 | 145 | 223 | 261 | 1783 | 11 | + | + | + | - | - | - | - | - | - | - | - | 1 | 6 | 4 | 5 | 9 | 11 | 12 | 10 | 8 | 6 | 3 | 2 |
| | | 148 | Meureudu | 231 | 124 | 136 | 117 | 82 | 77 | 57 | 64 | 83 | 173 | 197 | 185 | 1526 | 18 | + | + | + | - | - | - | - | - | - | - | - | 1 | 6 | 5 | 7 | 9 | 10 | 12 | 11 | 8 | 4 | 2 | 3 |
| | | 157 | Sigli | 227 | 150 | 131 | 119 | 92 | 47 | 55 | 52 | 72 | 135 | 241 | 279 | 1600 | 35 | - | - | + | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 7 | 8 | 12 | 10 | 11 | 9 | 5 | 2 | 1 |
| | Sampling Average | | | 223 | 137 | 156 | 154 | 110 | 73 | 63 | 90 | 111 | 175 | 242 | 223 | 1736 | | + | + | + | - | - | - | - | - | - | - | 2 | 7 | 5 | 6 | 9 | 11 | 12 | 10 | 8 | 4 | 1 | 3 | |
| 1030 | Pase Peusangan | 120 | Lampohan | 205 | 138 | 184 | 178 | 174 | 67 | 59 | 75 | 131 | 202 | 251 | 218 | 1882 | 25 | - | - | + | - | - | - | - | - | - | - | 3 | 8 | 5 | 6 | 7 | 11 | 12 | 10 | 9 | 4 | 1 | 2 | |
| (103) | (Pase Peusangan) | 121 | Blangseuang | 211 | 147 | 246 | 255 | 159 | 75 | 51 | 132 | 160 | 247 | 324 | 211 | 2218 | 11 | - | - | + | - | - | - | - | - | - | - | 5 | 9 | 4 | 2 | 8 | 11 | 12 | 10 | 7 | 3 | 1 | 5 | |
| | | 125 | Takengon | 166 | 124 | 172 | 179 | 140 | 42 | 39 | 79 | 151 | 161 | 169 | 180 | 1602 | 14 | - | - | + | - | - | - | - | - | - | - | 5 | 9 | 3 | 2 | 8 | 11 | 12 | 10 | 7 | 6 | 4 | 1 | |
| | | 126 | Bumi Telong | 212 | 131 | 240 | 210 | 210 | 83 | 71 | 93 | 184 | 256 | 168 | 282 | 2240 | 21 | - | - | + | - | - | - | - | - | - | - | 4 | 9 | 5 | 5 | 11 | 12 | 10 | 7 | 2 | 8 | 1 | | |
| | | 129 | Takengon | 145 | 100 | 183 | 169 | 211 | 70 | 68 | 85 | 150 | 267 | 224 | 197 | 1869 | 17 | - | - | + | - | - | - | - | - | - | - | 8 | 9 | 5 | 6 | 3 | 11 | 12 | 10 | 7 | 1 | 2 | 4 | |
| | | 133 | Bireuen | 157 | 85 | 100 | 119 | 121 | 70 | 67 | 69 | 100 | 171 | 178 | 202 | 1439 | 14 | - | - | + | - | - | - | - | - | - | - | 4 | 9 | 7 | 6 | 5 | 10 | 12 | 11 | 7 | 3 | 2 | 1 | |
| | | 138 | Lamneulo | 279 | 194 | 164 | 193 | 149 | 56 | 49 | 107 | 140 | 185 | 261 | 240 | 2017 | 11 | + | + | + | - | - | - | - | - | - | - | 1 | 4 | 7 | 5 | 8 | 11 | 12 | 10 | 9 | 6 | 2 | 3 | |
| | | 143 | Payabakong | 224 | 76 | 116 | 145 | 232 | 164 | 160 | 186 | 242 | 322 | 211 | 191 | 2269 | 15 | + | + | + | - | - | - | - | - | - | - | 4 | 12 | 11 | 10 | 3 | 8 | 9 | 7 | 2 | 1 | 5 | 6 | |
| | | 154 | Lhoksumawe | 214 | 57 | 91 | 97 | 105 | 91 | 91 | 101 | 125 | 155 | 187 | 239 | 1553 | 15 | - | - | + | - | - | - | - | - | - | - | 2 | 12 | 9 | 8 | 6 | 9 | 9 | 7 | 5 | 4 | 3 | 1 | |
| | | 156 | Bulo-blangara | 199 | 85 | 86 | 125 | 179 | 161 | 108 | 135 | 179 | 192 | 194 | 208 | 1851 | 10 | - | - | + | - | - | - | - | - | - | - | 2 | 12 | 11 | 9 | 5 | 7 | 10 | 8 | 5 | 4 | 3 | 1 | |
| | | 158 | Lhosokon | 237 | 72 | 76 | 89 | 169 | 93 | 127 | 144 | 215 | 188 | 148 | 252 | 1810 | 14 | - | - | + | - | - | - | - | - | - | - | 2 | 12 | 11 | 10 | 5 | 9 | 8 | 7 | 3 | 4 | 6 | 1 | |
| | Sampling Average | | | 204 | 110 | 151 | 160 | 168 | 88 | 81 | 110 | 162 | 213 | 210 | 220 | 1886 | | - | - | + | - | - | - | - | - | - | - | 4 | 9 | 8 | 7 | 5 | 11 | 12 | 10 | 6 | 2 | 3 | 1 | |
| 1040 | Jambu Aye | 107 | Kitu (Lautawar) | 158 | 111 | 197 | 178 | 155 | 50 | 34 | 64 | 143 | 184 | 194 | 244 | 1712 | 14 | - | - | + | - | - | - | - | - | - | - | 6 | 9 | 2 | 5 | 7 | 11 | 12 | 10 | 8 | 4 | 3 | 1 | |
| (104) | (Jambu Aye) | 108 | Cogitrek | 160 | 103 | 83 | 172 | 268 | 209 | 254 | 240 | 274 | 346 | 274 | 269 | 2652 | 8 | - | - | + | - | - | - | - | - | - | - | 10 | 11 | 12 | 9 | 5 | 8 | 6 | 7 | 2 | 1 | 2 | 4 | |
| | | 119 | Idi | 204 | 99 | 50 | 77 | 115 | 128 | 124 | 156 | 182 | 213 | 296 | 401 | 2045 | 10 | - | - | + | - | - | - | - | - | - | - | 4 | 10 | 12 | 11 | 9 | 7 | 8 | 6 | 5 | 3 | 2 | 1 | |
| | | 124 | Periak | 324 | 81 | 94 | 103 | 171 | 95 | 99 | 128 | 242 | 199 | 219 | 267 | 2022 | 11 | + | + | + | - | - | - | - | - | - | - | 1 | 12 | 11 | 8 | 6 | 10 | 9 | 7 | 3 | 5 | 4 | 2 | |
| | | 130 | Koadah | 166 | 162 | 274 | 213 | 159 | 56 | 32 | 91 | 187 | 218 | 283 | 205 | 2046 | 7 | - | - | + | - | - | - | - | - | - | - | 7 | 8 | 2 | 4 | 9 | 11 | 12 | 10 | 6 | 3 | 1 | 5 | |
| | | 152 | Pantonlabu | 279 | 47 | 66 | 73 | 77 | 85 | 107 | 75 | 108 | 132 | 161 | 243 | 1453 | 9 | + | - | + | - | - | - | - | - | - | - | 1 | 12 | 11 | 10 | 8 | 7 | 6 | 9 | 5 | 4 | 3 | 2 | |
| | Sampling Average | | | 215 | 101 | 127 | 136 | 158 | 104 | 108 | 126 | 189 | 215 | 238 | 272 | 1988 | | - | - | + | - | - | - | - | - | - | - | 4 | 12 | 8 | 7 | 6 | 11 | 10 | 9 | 5 | 3 | 2 | 1 | |

Table 3.2 Average Monthly Rainfall by River Basin (1/3)

| River Basin Code | Average Rainfall (mm) | | | | | | | | | | | | Annual |
|---------------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1010 | 181 | 122 | 123 | 153 | 117 | 74 | 58 | 87 | 112 | 168 | 230 | 199 | 1,624 |
| 1020 | 223 | 137 | 156 | 154 | 110 | 73 | 63 | 90 | 111 | 175 | 242 | 223 | 1,757 |
| 1030 | 204 | 110 | 151 | 160 | 168 | 88 | 81 | 110 | 162 | 213 | 210 | 220 | 1,877 |
| 1040 | 215 | 101 | 127 | 136 | 158 | 104 | 108 | 126 | 189 | 215 | 238 | 272 | 1,989 |
| 1050 | 216 | 93 | 138 | 183 | 227 | 166 | 173 | 222 | 283 | 355 | 302 | 274 | 2,632 |
| 1060 | 297 | 205 | 361 | 413 | 284 | 201 | 194 | 282 | 272 | 367 | 471 | 305 | 3,652 |
| 1071 | 233 | 185 | 299 | 338 | 233 | 181 | 168 | 247 | 252 | 328 | 368 | 269 | 3,101 |
| 1072 | 202 | 166 | 243 | 259 | 216 | 206 | 220 | 293 | 264 | 330 | 373 | 278 | 3,050 |
| 1080 | 208 | 167 | 264 | 312 | 226 | 140 | 158 | 204 | 227 | 301 | 335 | 275 | 2,817 |
| 1090 | 177 | 79 | 115 | 149 | 241 | 162 | 143 | 210 | 254 | 323 | 241 | 250 | 2,344 |
| 1100 | 166 | 110 | 136 | 172 | 215 | 169 | 169 | 209 | 260 | 320 | 255 | 200 | 2,381 |
| 1110 | 179 | 116 | 156 | 180 | 204 | 157 | 177 | 225 | 271 | 354 | 256 | 202 | 2,477 |
| 1121 | 162 | 122 | 183 | 196 | 180 | 105 | 108 | 152 | 206 | 263 | 258 | 206 | 2,141 |
| 1122 | 162 | 122 | 183 | 196 | 180 | 105 | 108 | 152 | 206 | 263 | 258 | 206 | 2,141 |
| 1131 | 201 | 117 | 152 | 186 | 196 | 144 | 161 | 197 | 274 | 346 | 289 | 221 | 2,484 |
| 1132 | 284 | 193 | 253 | 235 | 180 | 101 | 81 | 155 | 190 | 261 | 289 | 290 | 2,512 |
| 1141 | 249 | 219 | 295 | 328 | 227 | 155 | 165 | 237 | 269 | 360 | 383 | 337 | 3,224 |
| 1142 | 242 | 200 | 268 | 331 | 244 | 232 | 223 | 336 | 338 | 441 | 468 | 365 | 3,688 |
| 1150 | 280 | 183 | 251 | 245 | 185 | 140 | 102 | 170 | 210 | 310 | 317 | 331 | 2,724 |
| 1161 | 210 | 179 | 242 | 241 | 200 | 128 | 127 | 175 | 221 | 288 | 283 | 250 | 2,544 |
| 1162 | 188 | 137 | 224 | 260 | 213 | 134 | 126 | 168 | 185 | 258 | 312 | 278 | 2,483 |
| 1171 | 288 | 213 | 273 | 261 | 235 | 143 | 135 | 169 | 212 | 285 | 336 | 334 | 2,884 |
| 1172 | 241 | 133 | 178 | 223 | 218 | 179 | 178 | 183 | 183 | 245 | 277 | 252 | 2,490 |
| 1181 | 268 | 214 | 264 | 276 | 201 | 120 | 104 | 151 | 207 | 277 | 296 | 310 | 2,688 |
| 1182 | 226 | 137 | 224 | 250 | 250 | 192 | 188 | 209 | 197 | 251 | 280 | 308 | 2,712 |
| 1191 | 380 | 284 | 325 | 363 | 302 | 228 | 214 | 288 | 384 | 484 | 495 | 477 | 4,224 |
| 1192 | 326 | 318 | 330 | 368 | 288 | 247 | 258 | 427 | 340 | 463 | 509 | 491 | 4,365 |
| 1201 | 263 | 219 | 310 | 376 | 256 | 177 | 182 | 258 | 312 | 398 | 426 | 395 | 3,572 |
| 1202 | 263 | 183 | 240 | 298 | 232 | 246 | 212 | 269 | 311 | 366 | 389 | 355 | 3,364 |
| 1210 | 307 | 258 | 289 | 284 | 214 | 148 | 131 | 158 | 188 | 249 | 292 | 340 | 2,858 |
| 1220 | 307 | 258 | 289 | 284 | 214 | 148 | 131 | 158 | 188 | 249 | 292 | 340 | 2,858 |
| 1230 | 350 | 203 | 243 | 256 | 243 | 180 | 155 | 127 | 133 | 212 | 295 | 395 | 2,792 |
| 1241 | 351 | 286 | 323 | 284 | 204 | 132 | 114 | 148 | 146 | 216 | 287 | 346 | 2,837 |
| 1242 | 258 | 198 | 304 | 256 | 237 | 143 | 108 | 132 | 131 | 228 | 257 | 348 | 2,600 |
| 1250 | 329 | 276 | 303 | 259 | 174 | 117 | 96 | 83 | 110 | 136 | 230 | 329 | 2,442 |
| 1261 | 348 | 269 | 276 | 191 | 147 | 128 | 103 | 87 | 94 | 123 | 241 | 328 | 2,335 |
| 1262 | 295 | 266 | 267 | 231 | 167 | 138 | 104 | 90 | 102 | 156 | 208 | 285 | 2,309 |
| 1270 | 238 | 217 | 202 | 226 | 182 | 153 | 159 | 185 | 216 | 350 | 308 | 261 | 2,697 |
| 1280 | 329 | 275 | 307 | 315 | 217 | 187 | 168 | 211 | 270 | 367 | 432 | 385 | 3,463 |
| 1290 | 367 | 320 | 351 | 370 | 289 | 202 | 184 | 250 | 323 | 444 | 437 | 424 | 3,961 |
| 1300 | 295 | 218 | 253 | 269 | 223 | 157 | 165 | 221 | 303 | 428 | 384 | 388 | 3,304 |
| Sumatera | Average | | | | | | | | | | | 2,805 | |

Table 3.2 Average Monthly Rainfall by River Basin (2/3)

| River Basin Code | Average Rainfall (mm) | | | | | | | | | | | | Ann |
|---------------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 2011 | 427 | 334 | 334 | 265 | 229 | 138 | 122 | 115 | 142 | 227 | 295 | 382 | 3,010 |
| 2012 | 357 | 319 | 321 | 331 | 264 | 182 | 156 | 168 | 175 | 245 | 265 | 300 | 3,083 |
| 2020 | 361 | 319 | 259 | 221 | 199 | 126 | 100 | 98 | 130 | 182 | 212 | 226 | 2,433 |
| 2030 | 423 | 352 | 400 | 338 | 242 | 160 | 135 | 118 | 139 | 309 | 448 | 447 | 3,511 |
| 2041 | 408 | 353 | 323 | 245 | 192 | 108 | 78 | 50 | 63 | 135 | 246 | 311 | 2,512 |
| 2042 | 286 | 251 | 294 | 257 | 188 | 94 | 78 | 73 | 100 | 182 | 285 | 297 | 2,385 |
| 2051 | 303 | 255 | 298 | 253 | 223 | 167 | 173 | 125 | 171 | 358 | 398 | 346 | 3,070 |
| 2052 | 206 | 190 | 225 | 290 | 354 | 347 | 381 | 260 | 257 | 528 | 487 | 307 | 3,832 |
| 2060 | 482 | 413 | 427 | 269 | 186 | 95 | 69 | 45 | 43 | 111 | 240 | 387 | 2,767 |
| 2070 | 396 | 344 | 383 | 271 | 217 | 130 | 120 | 81 | 99 | 213 | 305 | 373 | 2,932 |
| 2080 | 539 | 447 | 355 | 220 | 181 | 107 | 82 | 70 | 68 | 127 | 201 | 337 | 2,734 |
| 2091 | 443 | 375 | 449 | 365 | 279 | 141 | 135 | 108 | 146 | 313 | 453 | 481 | 3,688 |
| 2092 | 373 | 317 | 343 | 240 | 173 | 121 | 98 | 67 | 64 | 244 | 363 | 365 | 2,768 |
| 2101 | 391 | 308 | 293 | 222 | 167 | 86 | 72 | 45 | 58 | 125 | 195 | 283 | 2,245 |
| 2102 | 314 | 258 | 256 | 170 | 121 | 62 | 45 | 39 | 59 | 127 | 202 | 292 | 1,945 |
| 2103 | 437 | 326 | 262 | 171 | 130 | 86 | 50 | 47 | 49 | 93 | 168 | 258 | 2,077 |
| 2111 | 383 | 340 | 366 | 247 | 172 | 90 | 68 | 51 | 67 | 144 | 259 | 349 | 2,536 |
| 2112 | 365 | 348 | 315 | 169 | 116 | 59 | 50 | 29 | 52 | 99 | 203 | 302 | 2,107 |
| 2121 | 361 | 338 | 353 | 245 | 164 | 79 | 53 | 35 | 41 | 118 | 245 | 312 | 2,344 |
| 2122 | 294 | 271 | 296 | 169 | 116 | 63 | 40 | 24 | 38 | 90 | 178 | 267 | 1,846 |
| 2123 | 310 | 278 | 264 | 151 | 165 | 85 | 120 | 48 | 90 | 221 | 284 | 325 | 2,341 |
| 2131 | 377 | 348 | 333 | 201 | 139 | 64 | 46 | 22 | 30 | 77 | 165 | 282 | 2,084 |
| 2132 | 372 | 343 | 355 | 255 | 193 | 99 | 78 | 51 | 72 | 160 | 291 | 378 | 2,647 |
| 2133 | 326 | 253 | 273 | 199 | 158 | 148 | 142 | 80 | 82 | 224 | 273 | 318 | 2,476 |
| 2141 | 369 | 332 | 292 | 166 | 122 | 55 | 45 | 23 | 27 | 67 | 159 | 266 | 1,923 |
| 2142 | 365 | 320 | 331 | 225 | 172 | 100 | 88 | 57 | 80 | 179 | 296 | 371 | 2,584 |
| 2143 | 305 | 298 | 291 | 152 | 154 | 123 | 117 | 67 | 69 | 110 | 168 | 267 | 2,121 |
| 2150 | 281 | 227 | 238 | 180 | 132 | 73 | 42 | 19 | 18 | 50 | 135 | 233 | 1,628 |
| Jawa | | | | | | | | | | | Average | | 2,558 |
| 3011 | 337 | 311 | 267 | 140 | 92 | 58 | 37 | 19 | 15 | 43 | 113 | 232 | 1,664 |
| 3012 | 332 | 283 | 228 | 126 | 115 | 112 | 134 | 70 | 74 | 143 | 198 | 288 | 2,103 |
| 3020 | 298 | 248 | 216 | 102 | 84 | 60 | 40 | 27 | 28 | 65 | 134 | 242 | 1,544 |
| 3030 | 282 | 255 | 217 | 110 | 70 | 44 | 29 | 14 | 17 | 48 | 125 | 241 | 1,452 |
| 3040 | 316 | 285 | 260 | 167 | 103 | 54 | 38 | 37 | 37 | 85 | 151 | 266 | 1,799 |
| 3050 | 314 | 273 | 241 | 149 | 91 | 61 | 39 | 22 | 37 | 76 | 151 | 264 | 1,718 |
| 3060 | 255 | 244 | 191 | 97 | 82 | 55 | 38 | 11 | 6 | 29 | 98 | 204 | 1,310 |
| 3070 | 287 | 281 | 243 | 160 | 180 | 122 | 72 | 25 | 24 | 45 | 141 | 249 | 1,829 |
| Bali & NT | | | | | | | | | | | Average | | 1,677 |
| 4010 | 272 | 255 | 283 | 213 | 216 | 237 | 210 | 146 | 128 | 108 | 153 | 217 | 2,438 |
| 4021 | 324 | 285 | 332 | 349 | 275 | 203 | 149 | 157 | 176 | 244 | 327 | 363 | 3,184 |
| 4022 | 328 | 291 | 307 | 239 | 191 | 143 | 112 | 90 | 98 | 143 | 234 | 329 | 2,505 |
| 4030 | 327 | 281 | 297 | 324 | 297 | 261 | 174 | 158 | 267 | 243 | 368 | 352 | 3,349 |
| 4040 | 238 | 249 | 258 | 274 | 233 | 190 | 140 | 124 | 178 | 248 | 249 | 333 | 2,714 |
| 4050 | 247 | 245 | 313 | 297 | 222 | 198 | 147 | 157 | 181 | 224 | 264 | 265 | 2,760 |
| 4061 | 233 | 227 | 262 | 260 | 250 | 207 | 157 | 130 | 144 | 221 | 245 | 275 | 2,611 |
| 4062 | 233 | 227 | 262 | 260 | 250 | 207 | 157 | 130 | 144 | 221 | 245 | 275 | 2,611 |
| 4070 | 299 | 235 | 267 | 295 | 268 | 202 | 151 | 146 | 192 | 292 | 350 | 342 | 3,039 |
| 4080 | 322 | 273 | 299 | 300 | 265 | 207 | 175 | 201 | 259 | 328 | 362 | 327 | 3,318 |
| 4090 | 316 | 200 | 177 | 193 | 202 | 165 | 142 | 165 | 196 | 290 | 343 | 344 | 2,733 |
| 4100 | 189 | 176 | 214 | 254 | 295 | 273 | 268 | 295 | 289 | 261 | 334 | 248 | 3,096 |
| 4110 | 273 | 249 | 280 | 275 | 268 | 218 | 217 | 238 | 272 | 287 | 320 | 273 | 3,170 |
| 4120 | 214 | 188 | 174 | 175 | 170 | 111 | 130 | 122 | 137 | 153 | 222 | 218 | 2,014 |
| 4130 | 173 | 154 | 191 | 185 | 180 | 156 | 116 | 143 | 132 | 145 | 179 | 225 | 1,979 |
| 4141 | 237 | 215 | 256 | 280 | 247 | 187 | 146 | 136 | 153 | 193 | 256 | 278 | 2,584 |
| 4142 | 213 | 177 | 233 | 210 | 211 | 188 | 169 | 152 | 133 | 105 | 175 | 225 | 2,191 |
| Kalimantan | | | | | | | | | | | Average | | 2,723 |

Table 3.2 Average Monthly Rainfall by River Basin (3/3)

| River Basin Code | Average Rainfall (mm) | | | | | | | | | | | | Ann |
|---------------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 5011 | 355 | 286 | 258 | 255 | 247 | 201 | 158 | 126 | 130 | 168 | 258 | 314 | 2,756 |
| 5012 | 347 | 277 | 278 | 243 | 218 | 174 | 147 | 113 | 127 | 153 | 242 | 296 | 2,615 |
| 5013 | 287 | 215 | 215 | 233 | 247 | 262 | 221 | 163 | 144 | 162 | 247 | 259 | 2,655 |
| 5021 | 372 | 299 | 240 | 222 | 253 | 205 | 149 | 119 | 125 | 203 | 261 | 279 | 2,727 |
| 5022 | 133 | 127 | 134 | 151 | 137 | 133 | 108 | 85 | 65 | 86 | 124 | 145 | 1,428 |
| 5031 | 372 | 299 | 240 | 222 | 253 | 205 | 149 | 119 | 125 | 203 | 261 | 279 | 2,727 |
| 5032 | 133 | 127 | 134 | 151 | 137 | 133 | 108 | 85 | 65 | 86 | 124 | 145 | 1,428 |
| 5041 | 282 | 236 | 208 | 177 | 175 | 182 | 147 | 131 | 124 | 126 | 210 | 243 | 2,241 |
| 5042 | 58 | 55 | 83 | 124 | 159 | 181 | 172 | 133 | 97 | 70 | 82 | 63 | 1,277 |
| 5050 | 162 | 183 | 222 | 331 | 306 | 239 | 176 | 135 | 130 | 151 | 191 | 181 | 2,407 |
| 5061 | 205 | 165 | 217 | 265 | 343 | 323 | 349 | 347 | 228 | 147 | 154 | 169 | 2,912 |
| 5062 | 205 | 165 | 217 | 265 | 343 | 323 | 349 | 347 | 228 | 147 | 154 | 169 | 2,912 |
| 5070 | 88 | 97 | 135 | 162 | 226 | 322 | 291 | 163 | 113 | 73 | 64 | 104 | 1,838 |
| 5080 | 263 | 259 | 312 | 356 | 312 | 270 | 236 | 188 | 111 | 108 | 185 | 251 | 2,851 |
| 5091 | 149 | 132 | 147 | 164 | 160 | 142 | 122 | 115 | 113 | 105 | 132 | 138 | 1,619 |
| 5092 | 149 | 132 | 147 | 164 | 160 | 142 | 122 | 115 | 113 | 105 | 132 | 138 | 1,619 |
| 5101 | 156 | 166 | 178 | 189 | 246 | 208 | 167 | 117 | 82 | 65 | 117 | 126 | 1,817 |
| 5102 | 156 | 166 | 178 | 189 | 246 | 208 | 167 | 117 | 82 | 65 | 117 | 126 | 1,817 |
| 5111 | 197 | 201 | 221 | 180 | 240 | 248 | 163 | 83 | 73 | 43 | 89 | 158 | 1,896 |
| 5112 | 203 | 205 | 196 | 201 | 226 | 192 | 112 | 44 | 30 | 32 | 92 | 187 | 1,720 |
| 5120 | 220 | 217 | 264 | 279 | 300 | 209 | 173 | 131 | 107 | 123 | 148 | 165 | 2,336 |
| 5131 | 240 | 254 | 317 | 362 | 295 | 221 | 151 | 118 | 128 | 143 | 241 | 252 | 2,722 |
| 5132 | 240 | 254 | 317 | 362 | 295 | 221 | 151 | 118 | 128 | 143 | 241 | 252 | 2,722 |
| 5133 | 250 | 164 | 171 | 186 | 194 | 178 | 113 | 94 | 112 | 147 | 207 | 243 | 2,059 |
| 5141 | 297 | 315 | 368 | 384 | 342 | 269 | 171 | 115 | 102 | 145 | 264 | 327 | 3,099 |
| 5142 | 331 | 311 | 383 | 412 | 398 | 346 | 236 | 207 | 156 | 149 | 200 | 338 | 3,467 |
| 5143 | 280 | 271 | 356 | 379 | 347 | 268 | 220 | 178 | 130 | 124 | 203 | 258 | 3,014 |
| 5144 | 251 | 239 | 341 | 374 | 312 | 261 | 208 | 152 | 137 | 120 | 206 | 226 | 2,827 |
| 5151 | 176 | 157 | 182 | 250 | 237 | 177 | 138 | 105 | 132 | 159 | 164 | 190 | 2,067 |
| 5152 | 228 | 247 | 306 | 348 | 280 | 202 | 144 | 98 | 97 | 141 | 221 | 268 | 2,580 |
| 5153 | 555 | 402 | 355 | 248 | 181 | 102 | 60 | 34 | 41 | 106 | 271 | 517 | 2,872 |
| 5161 | 104 | 79 | 145 | 247 | 429 | 352 | 294 | 192 | 208 | 149 | 118 | 98 | 2,415 |
| 5162 | 155 | 138 | 165 | 225 | 289 | 225 | 156 | 92 | 64 | 92 | 133 | 143 | 1,877 |
| 5171 | 591 | 424 | 339 | 217 | 164 | 111 | 61 | 27 | 26 | 61 | 205 | 455 | 2,681 |
| 5172 | 168 | 164 | 204 | 292 | 427 | 362 | 218 | 98 | 57 | 64 | 108 | 176 | 2,338 |
| Sulawesi | | | | | | | | | | | Average | | 2,363 |
| 6010 | 289 | 228 | 222 | 221 | 231 | 153 | 77 | 21 | 16 | 31 | 92 | 237 | 1,818 |
| 6020 | 152 | 141 | 168 | 228 | 340 | 383 | 384 | 283 | 187 | 119 | 102 | 149 | 2,636 |
| 6030 | 179 | 162 | 168 | 217 | 256 | 243 | 210 | 173 | 151 | 135 | 166 | 190 | 2,250 |
| 7010 | 266 | 259 | 281 | 272 | 281 | 256 | 226 | 221 | 212 | 189 | 192 | 245 | 2,900 |
| 7020 | 271 | 269 | 292 | 245 | 225 | 206 | 201 | 209 | 209 | 204 | 211 | 246 | 2,788 |
| 7030 | 217 | 228 | 260 | 256 | 269 | 294 | 300 | 302 | 258 | 186 | 188 | 207 | 2,965 |
| 7040 | 304 | 290 | 338 | 266 | 234 | 159 | 149 | 149 | 164 | 177 | 206 | 304 | 2,740 |
| Maluku & IJ | | | | | | | | | | | Average | | 2,585 |

Source : JICA-FIDP Team Calculation

Table 3.3 Estimated Non-exceedance 20% Rainfall by River Basin (1/3)

| River basin Code | Rainfall (mm/month) | | | | | | | | | | | | Annual |
|---------------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1010 | 84 | 39 | 40 | 63 | 35 | 2 | 0 | 12 | 31 | 74 | 122 | 98 | 600 |
| 1020 | 117 | 50 | 65 | 64 | 30 | 1 | 0 | 14 | 30 | 79 | 132 | 117 | 699 |
| 1030 | 102 | 30 | 61 | 68 | 74 | 13 | 7 | 29 | 69 | 109 | 107 | 114 | 783 |
| 1040 | 111 | 22 | 43 | 50 | 66 | 25 | 28 | 42 | 91 | 111 | 128 | 154 | 871 |
| 1050 | 111 | 16 | 51 | 86 | 120 | 73 | 78 | 116 | 163 | 218 | 177 | 156 | 1,365 |
| 1060 | 173 | 102 | 223 | 263 | 163 | 99 | 94 | 162 | 154 | 228 | 307 | 180 | 2,148 |
| 1071 | 124 | 88 | 175 | 205 | 124 | 85 | 74 | 135 | 139 | 198 | 229 | 152 | 1,728 |
| 1072 | 100 | 72 | 132 | 144 | 112 | 104 | 115 | 171 | 148 | 199 | 232 | 159 | 1,688 |
| 1080 | 105 | 74 | 148 | 185 | 119 | 53 | 67 | 102 | 120 | 177 | 203 | 157 | 1,510 |
| 1090 | 82 | 6 | 33 | 60 | 130 | 70 | 55 | 106 | 141 | 194 | 131 | 138 | 1,146 |
| 1100 | 73 | 29 | 50 | 77 | 111 | 75 | 75 | 106 | 145 | 191 | 141 | 99 | 1,172 |
| 1110 | 83 | 34 | 65 | 84 | 102 | 66 | 81 | 118 | 154 | 217 | 142 | 100 | 1,246 |
| 1121 | 70 | 39 | 86 | 96 | 83 | 26 | 28 | 62 | 103 | 148 | 144 | 104 | 989 |
| 1122 | 70 | 39 | 86 | 96 | 83 | 26 | 28 | 62 | 103 | 148 | 144 | 104 | 989 |
| 1131 | 100 | 35 | 62 | 88 | 96 | 56 | 69 | 97 | 156 | 212 | 168 | 115 | 1,254 |
| 1132 | 164 | 94 | 140 | 126 | 84 | 23 | 7 | 65 | 91 | 146 | 167 | 168 | 1,275 |
| 1141 | 137 | 113 | 172 | 197 | 120 | 64 | 72 | 128 | 152 | 222 | 240 | 204 | 1,821 |
| 1142 | 131 | 99 | 151 | 200 | 133 | 123 | 117 | 204 | 205 | 285 | 305 | 226 | 2,179 |
| 1150 | 160 | 86 | 138 | 133 | 87 | 53 | 23 | 76 | 107 | 184 | 189 | 200 | 1,436 |
| 1161 | 107 | 83 | 131 | 131 | 99 | 43 | 43 | 80 | 115 | 167 | 163 | 137 | 1,299 |
| 1162 | 89 | 50 | 117 | 145 | 109 | 48 | 42 | 74 | 87 | 144 | 185 | 159 | 1,249 |
| 1171 | 167 | 109 | 155 | 146 | 126 | 55 | 49 | 75 | 108 | 164 | 204 | 202 | 1,560 |
| 1172 | 131 | 48 | 82 | 117 | 113 | 83 | 82 | 86 | 86 | 134 | 158 | 139 | 1,259 |
| 1181 | 151 | 109 | 149 | 158 | 99 | 37 | 25 | 61 | 104 | 158 | 173 | 184 | 1,408 |
| 1182 | 119 | 50 | 117 | 137 | 137 | 92 | 90 | 106 | 97 | 138 | 161 | 182 | 1,426 |
| 1191 | 237 | 163 | 196 | 225 | 177 | 121 | 109 | 167 | 240 | 318 | 326 | 313 | 2,592 |
| 1192 | 196 | 190 | 199 | 228 | 167 | 135 | 144 | 274 | 207 | 302 | 337 | 323 | 2,702 |
| 1201 | 147 | 113 | 184 | 234 | 142 | 81 | 85 | 144 | 185 | 252 | 273 | 249 | 2,089 |
| 1202 | 148 | 86 | 130 | 174 | 124 | 134 | 108 | 152 | 184 | 227 | 245 | 218 | 1,930 |
| 1210 | 182 | 143 | 168 | 163 | 109 | 59 | 46 | 66 | 89 | 137 | 170 | 207 | 1,539 |
| 1220 | 182 | 143 | 168 | 163 | 109 | 59 | 46 | 66 | 89 | 137 | 170 | 207 | 1,539 |
| 1230 | 214 | 101 | 132 | 142 | 132 | 83 | 65 | 43 | 48 | 108 | 172 | 249 | 1,489 |
| 1241 | 215 | 165 | 193 | 164 | 102 | 47 | 33 | 59 | 58 | 111 | 166 | 211 | 1,524 |
| 1242 | 143 | 97 | 179 | 142 | 127 | 55 | 28 | 47 | 46 | 120 | 143 | 213 | 1,340 |
| 1250 | 198 | 158 | 178 | 144 | 79 | 35 | 19 | 9 | 30 | 49 | 122 | 198 | 1,219 |
| 1261 | 213 | 152 | 158 | 92 | 58 | 44 | 25 | 12 | 17 | 40 | 131 | 198 | 1,140 |
| 1262 | 172 | 150 | 151 | 123 | 73 | 51 | 25 | 14 | 23 | 65 | 105 | 164 | 1,116 |
| 1270 | 128 | 112 | 101 | 119 | 85 | 63 | 68 | 88 | 111 | 215 | 182 | 146 | 1,418 |
| 1280 | 198 | 157 | 181 | 188 | 112 | 89 | 74 | 108 | 153 | 228 | 277 | 241 | 2,006 |
| 1290 | 228 | 191 | 216 | 230 | 168 | 100 | 86 | 138 | 194 | 287 | 281 | 271 | 2,390 |
| 1300 | 172 | 112 | 140 | 152 | 116 | 66 | 72 | 115 | 178 | 275 | 240 | 243 | 1,881 |
| 2011 | 273 | 202 | 202 | 149 | 121 | 51 | 39 | 34 | 54 | 120 | 172 | 239 | 1,656 |
| 2012 | 220 | 191 | 192 | 200 | 148 | 85 | 65 | 75 | 80 | 134 | 149 | 176 | 1,715 |
| 2020 | 223 | 191 | 145 | 115 | 98 | 42 | 22 | 21 | 45 | 85 | 108 | 119 | 1,214 |
| 2030 | 271 | 216 | 253 | 205 | 131 | 68 | 49 | 36 | 52 | 183 | 290 | 289 | 2,043 |
| 2041 | 259 | 217 | 194 | 134 | 93 | 28 | 5 | 0 | 0 | 49 | 134 | 184 | 1,297 |
| 2042 | 165 | 139 | 172 | 143 | 90 | 17 | 5 | 1 | 22 | 85 | 165 | 174 | 1,178 |
| 2051 | 178 | 141 | 174 | 140 | 117 | 74 | 78 | 41 | 77 | 221 | 251 | 211 | 1,703 |
| 2052 | 104 | 91 | 118 | 168 | 218 | 212 | 238 | 145 | 143 | 352 | 320 | 181 | 2,290 |
| 2060 | 316 | 263 | 274 | 152 | 88 | 18 | 0 | 0 | 0 | 31 | 130 | 243 | 1,515 |
| 2070 | 250 | 210 | 240 | 154 | 112 | 45 | 37 | 7 | 21 | 109 | 180 | 232 | 1,597 |

Table 3.3 Estimated Non-exceedance 20% Rainfall by River Basin (2/3)

| River basin Code | Rainfall (mm/month) | | | | | | | | | | | | Annual |
|---------------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Scp | Oct | Nov | Dec | |
| 2080 | 360 | 289 | 219 | 114 | 84 | 28 | 8 | 0 | 0 | 43 | 100 | 204 | 1,449 |
| 2091 | 286 | 233 | 291 | 226 | 160 | 54 | 49 | 28 | 58 | 186 | 294 | 315 | 2,180 |
| 2092 | 232 | 189 | 209 | 130 | 78 | 38 | 20 | 0 | 0 | 133 | 225 | 226 | 1,480 |
| 2101 | 246 | 182 | 171 | 116 | 74 | 11 | 0 | 0 | 0 | 41 | 95 | 163 | 1,099 |
| 2102 | 187 | 144 | 142 | 76 | 38 | 0 | 0 | 0 | 0 | 43 | 101 | 170 | 901 |
| 2103 | 281 | 196 | 147 | 76 | 45 | 11 | 0 | 0 | 0 | 16 | 74 | 143 | 989 |
| 2111 | 240 | 207 | 227 | 135 | 77 | 14 | 0 | 0 | 0 | 56 | 145 | 213 | 1,314 |
| 2112 | 226 | 213 | 187 | 75 | 34 | 0 | 0 | 0 | 0 | 21 | 102 | 177 | 1,035 |
| 2121 | 223 | 206 | 217 | 133 | 71 | 6 | 0 | 0 | 0 | 36 | 134 | 185 | 1,211 |
| 2122 | 172 | 153 | 173 | 75 | 34 | 0 | 0 | 0 | 0 | 14 | 82 | 150 | 853 |
| 2123 | 184 | 159 | 148 | 61 | 72 | 10 | 37 | 0 | 14 | 115 | 164 | 195 | 1,159 |
| 2131 | 235 | 213 | 202 | 99 | 52 | 0 | 0 | 0 | 0 | 4 | 72 | 162 | 1,039 |
| 2132 | 231 | 209 | 218 | 142 | 94 | 21 | 5 | 0 | 0 | 68 | 169 | 236 | 1,393 |
| 2133 | 196 | 140 | 155 | 98 | 67 | 59 | 55 | 6 | 8 | 117 | 155 | 190 | 1,246 |
| 2141 | 229 | 201 | 169 | 73 | 39 | 0 | 0 | 0 | 0 | 0 | 68 | 150 | 929 |
| 2142 | 226 | 191 | 200 | 118 | 78 | 22 | 13 | 0 | 7 | 83 | 173 | 230 | 1,341 |
| 2143 | 179 | 175 | 169 | 62 | 64 | 40 | 35 | 0 | 0 | 30 | 74 | 150 | 978 |
| 2150 | 161 | 120 | 128 | 84 | 47 | 1 | 0 | 0 | 0 | 0 | 49 | 125 | 715 |
| 3011 | 205 | 184 | 151 | 53 | 16 | 0 | 0 | 0 | 0 | 0 | 32 | 123 | 764 |
| 3012 | 201 | 163 | 121 | 42 | 33 | 31 | 48 | 0 | 2 | 55 | 98 | 167 | 961 |
| 3020 | 174 | 136 | 111 | 24 | 10 | 0 | 0 | 0 | 0 | 0 | 48 | 131 | 634 |
| 3030 | 162 | 141 | 112 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 130 | 617 |
| 3040 | 188 | 164 | 145 | 74 | 24 | 0 | 0 | 0 | 0 | 10 | 61 | 150 | 816 |
| 3050 | 187 | 155 | 131 | 60 | 15 | 0 | 0 | 0 | 0 | 3 | 61 | 148 | 760 |
| 3060 | 141 | 133 | 92 | 20 | 8 | 0 | 0 | 0 | 0 | 0 | 21 | 102 | 517 |
| 3070 | 166 | 161 | 132 | 68 | 84 | 39 | 0 | 0 | 0 | 0 | 53 | 136 | 839 |
| 4010 | 154 | 142 | 163 | 109 | 112 | 127 | 107 | 57 | 43 | 28 | 63 | 112 | 1,217 |
| 4021 | 195 | 164 | 201 | 213 | 156 | 101 | 60 | 66 | 80 | 133 | 197 | 225 | 1,791 |
| 4022 | 198 | 169 | 182 | 129 | 92 | 55 | 31 | 14 | 20 | 55 | 126 | 199 | 1,270 |
| 4030 | 197 | 161 | 173 | 194 | 174 | 146 | 79 | 67 | 151 | 132 | 228 | 216 | 1,918 |
| 4040 | 128 | 136 | 143 | 156 | 124 | 91 | 53 | 40 | 82 | 136 | 136 | 201 | 1,426 |
| 4050 | 135 | 133 | 186 | 173 | 116 | 97 | 58 | 66 | 85 | 117 | 149 | 149 | 1,464 |
| 4061 | 125 | 120 | 147 | 145 | 138 | 105 | 66 | 45 | 56 | 115 | 134 | 157 | 1,353 |
| 4062 | 125 | 120 | 147 | 145 | 138 | 105 | 66 | 45 | 56 | 115 | 134 | 157 | 1,353 |
| 4070 | 175 | 126 | 150 | 172 | 152 | 101 | 62 | 58 | 93 | 170 | 214 | 208 | 1,681 |
| 4080 | 193 | 155 | 175 | 176 | 149 | 105 | 80 | 100 | 145 | 198 | 224 | 197 | 1,897 |
| 4090 | 188 | 99 | 81 | 93 | 101 | 72 | 55 | 72 | 96 | 168 | 209 | 209 | 1,443 |
| 4100 | 90 | 81 | 110 | 140 | 172 | 156 | 151 | 172 | 168 | 146 | 202 | 136 | 1,724 |
| 4110 | 155 | 137 | 160 | 157 | 152 | 113 | 112 | 128 | 154 | 166 | 192 | 155 | 1,781 |
| 4120 | 110 | 90 | 79 | 80 | 76 | 30 | 45 | 39 | 51 | 63 | 116 | 113 | 892 |
| 4130 | 78 | 64 | 92 | 88 | 83 | 65 | 34 | 55 | 47 | 57 | 83 | 118 | 864 |
| 4141 | 127 | 111 | 142 | 161 | 135 | 89 | 57 | 49 | 63 | 94 | 142 | 159 | 1,329 |
| 4142 | 109 | 82 | 125 | 107 | 107 | 89 | 75 | 62 | 47 | 26 | 80 | 118 | 1,027 |
| 5011 | 219 | 165 | 144 | 141 | 135 | 100 | 67 | 42 | 45 | 74 | 143 | 187 | 1,462 |
| 5012 | 212 | 158 | 159 | 132 | 113 | 79 | 58 | 32 | 42 | 63 | 131 | 173 | 1,352 |
| 5013 | 166 | 111 | 111 | 125 | 135 | 147 | 115 | 71 | 56 | 70 | 135 | 145 | 1,387 |
| 5021 | 231 | 175 | 130 | 116 | 140 | 103 | 60 | 37 | 41 | 101 | 146 | 160 | 1,440 |
| 5022 | 48 | 42 | 48 | 61 | 50 | 48 | 28 | 11 | 0 | 11 | 40 | 56 | 443 |
| 5031 | 231 | 175 | 130 | 116 | 140 | 103 | 60 | 37 | 41 | 101 | 146 | 160 | 1,440 |
| 5032 | 48 | 42 | 48 | 61 | 50 | 48 | 28 | 11 | 0 | 11 | 40 | 56 | 443 |
| 5041 | 162 | 127 | 105 | 81 | 79 | 85 | 58 | 46 | 40 | 42 | 106 | 132 | 1,063 |

Table 3.3 Estimated Non-exceedance 20% Rainfall by River Basin (3/3)

| River basin Code | Rainfall (mm/month) | | | | | | | | | | | | Annual |
|---------------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 5042 | 0 | 0 | 9 | 40 | 67 | 84 | 77 | 47 | 20 | 0 | 8 | 0 | 352 |
| 5050 | 70 | 86 | 116 | 200 | 181 | 129 | 81 | 49 | 45 | 62 | 92 | 85 | 1,196 |
| 5061 | 103 | 72 | 112 | 149 | 209 | 194 | 214 | 212 | 120 | 58 | 64 | 75 | 1,582 |
| 5062 | 103 | 72 | 112 | 149 | 209 | 194 | 214 | 212 | 120 | 58 | 64 | 75 | 1,582 |
| 5070 | 13 | 20 | 49 | 69 | 119 | 193 | 169 | 71 | 32 | 1 | 0 | 25 | 761 |
| 5080 | 147 | 144 | 185 | 219 | 185 | 153 | 126 | 90 | 31 | 28 | 88 | 138 | 1,534 |
| 5091 | 59 | 47 | 58 | 71 | 68 | 54 | 39 | 34 | 32 | 26 | 46 | 51 | 585 |
| 5092 | 59 | 47 | 58 | 71 | 68 | 54 | 39 | 34 | 32 | 26 | 46 | 51 | 585 |
| 5101 | 65 | 73 | 82 | 91 | 135 | 105 | 74 | 35 | 8 | 0 | 35 | 42 | 745 |
| 5102 | 65 | 73 | 82 | 91 | 135 | 105 | 74 | 35 | 8 | 0 | 35 | 42 | 745 |
| 5111 | 97 | 99 | 115 | 84 | 130 | 136 | 70 | 9 | 1 | 0 | 13 | 67 | 821 |
| 5112 | 101 | 103 | 96 | 99 | 119 | 93 | 31 | 0 | 0 | 0 | 16 | 89 | 747 |
| 5120 | 114 | 112 | 149 | 160 | 176 | 106 | 78 | 46 | 28 | 40 | 59 | 72 | 1,140 |
| 5131 | 129 | 141 | 189 | 223 | 172 | 115 | 61 | 36 | 44 | 55 | 131 | 139 | 1,435 |
| 5132 | 129 | 141 | 189 | 223 | 172 | 115 | 61 | 36 | 44 | 55 | 131 | 139 | 1,435 |
| 5133 | 137 | 72 | 77 | 89 | 95 | 82 | 32 | 17 | 31 | 58 | 104 | 132 | 926 |
| 5141 | 174 | 188 | 228 | 240 | 208 | 152 | 76 | 34 | 23 | 56 | 149 | 197 | 1,725 |
| 5142 | 200 | 184 | 240 | 262 | 251 | 211 | 127 | 104 | 65 | 60 | 99 | 205 | 2,008 |
| 5143 | 160 | 153 | 219 | 237 | 212 | 152 | 114 | 82 | 45 | 40 | 101 | 144 | 1,659 |
| 5144 | 138 | 129 | 207 | 233 | 185 | 146 | 105 | 62 | 51 | 38 | 103 | 119 | 1,516 |
| 5151 | 80 | 66 | 85 | 137 | 127 | 82 | 51 | 26 | 47 | 67 | 71 | 91 | 930 |
| 5152 | 120 | 135 | 181 | 213 | 160 | 101 | 56 | 20 | 20 | 53 | 115 | 151 | 1,325 |
| 5153 | 373 | 255 | 219 | 136 | 85 | 24 | 0 | 0 | 0 | 27 | 153 | 343 | 1,615 |
| 5161 | 25 | 6 | 56 | 135 | 275 | 216 | 171 | 93 | 105 | 59 | 36 | 20 | 1,197 |
| 5162 | 64 | 51 | 72 | 118 | 168 | 118 | 65 | 16 | 0 | 16 | 48 | 55 | 791 |
| 5171 | 400 | 271 | 206 | 112 | 71 | 30 | 0 | 0 | 0 | 0 | 103 | 296 | 1,489 |
| 5172 | 74 | 71 | 102 | 170 | 274 | 224 | 113 | 21 | 0 | 0 | 28 | 81 | 1,158 |
| 6010 | 168 | 121 | 116 | 115 | 123 | 62 | 4 | 0 | 0 | 0 | 16 | 127 | 852 |
| 6020 | 62 | 53 | 74 | 121 | 207 | 240 | 241 | 163 | 89 | 36 | 24 | 60 | 1,370 |
| 6030 | 83 | 70 | 75 | 112 | 142 | 132 | 106 | 78 | 62 | 49 | 73 | 91 | 1,073 |
| 7010 | 150 | 145 | 161 | 155 | 161 | 142 | 119 | 115 | 108 | 90 | 93 | 134 | 1,573 |
| 7020 | 154 | 152 | 170 | 134 | 118 | 103 | 100 | 106 | 106 | 102 | 108 | 134 | 1,487 |
| 7030 | 112 | 121 | 145 | 142 | 152 | 172 | 176 | 177 | 144 | 88 | 90 | 105 | 1,624 |
| 7040 | 179 | 168 | 205 | 150 | 125 | 68 | 60 | 60 | 71 | 81 | 103 | 179 | 1,449 |

Source : JICA-FIDP Team Calculation

Table 3.4 Average River Discharge by River Basin (1/7)

| River Basin Code | Station Code | Station(River) Name | Location | Catchment Area (km ²) | Runoff (mm/month) | | | | | | | | | | | | Annual Ave. | | | | | |
|------------------|--------------|-------------------------|----------|-----------------------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-------|-------|-----|-----|-----|
| | | | | | Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Min | Max | | | |
| 1030 | RA18 | Kr.Peusangan-Remesan | 04 36 N | 96 41 E | 334 | 9 | 93 | 71 | 116 | 118 | 159 | 106 | 43 | 59 | 47 | 63 | 87 | 115 | 1,077 | 90 | 159 | 43 |
| 1060 | RA17 | Kr.Peusangan-Takengon | 04 37 N | 95 45 E | 247 | 9 | 137 | 106 | 100 | 90 | 103 | 96 | 74 | 66 | 61 | 63 | 101 | 147 | 1,144 | 95 | 147 | 61 |
| | RNS9 | S.Asahan-Porsea | 02 26 N | 99 09 E | 3568 | 22 | 91 | 82 | 89 | 87 | 91 | 82 | 75 | 63 | 63 | 67 | 69 | 82 | 941 | 78 | 91 | 63 |
| | RNS10 | S.Asahan-Siruar | 02 28 N | 99 15 E | 3782 | 61 | 83 | 79 | 81 | 81 | 85 | 75 | 67 | 59 | 52 | 65 | 65 | 75 | 867 | 72 | 85 | 52 |
| | RNS11 | S.Asahan-Simorea | 02 30 N | 99 15 E | 3850 | 24 | 82 | 70 | 76 | 77 | 74 | 70 | 65 | 58 | 53 | 58 | 65 | 81 | 829 | 69 | 82 | 53 |
| 1122 | | | Average | | 3,733 | 85 | 77 | 82 | 82 | 83 | 76 | 69 | 60 | 56 | 63 | 66 | 79 | 879 | | | | |
| | RWS40 | Bt.Mahat-Lb.Sipopay | 00 07 N | 100 45 E | 879 | 5 | 231 | 178 | 279 | 193 | 206 | 93 | 69 | 55 | 80 | 98 | 237 | 205 | 1,924 | 160 | 279 | 55 |
| | RWS41 | Bt.Kapur-Muara Peti | 00 14 N | 100 34 E | 428 | 5 | 325 | 313 | 270 | 280 | 193 | 132 | 93 | 54 | 119 | 159 | 291 | 483 | 2,712 | 226 | 483 | 54 |
| 1171 | | | Average | | 654 | 278 | 246 | 275 | 237 | 200 | 113 | 81 | 55 | 100 | 129 | 264 | 344 | 2,318 | | | | |
| | RWS35 | Bt.Ombilin-Badus | 00 33 S | 100 35 E | 732 | 9 | 294 | 229 | 223 | 312 | 263 | 167 | 88 | 102 | 121 | 129 | 173 | 254 | 2,355 | 196 | 312 | 88 |
| | RWS52 | Bt.Agam-Titi | 00 16 S | 100 38 E | 310 | 42 | 112 | 95 | 105 | 113 | 112 | 92 | 71 | 70 | 74 | 83 | 111 | 116 | 1,154 | 96 | 116 | 70 |
| | RWS54 | Bt.Ombilin-Ombilin | 00 29 S | 100 34 E | 1120 | 9 | 156 | 103 | 129 | 136 | 127 | 71 | 52 | 53 | 61 | 84 | 119 | 146 | 1,237 | 103 | 156 | 52 |
| 1181 | | | Average | | 721 | 187 | 142 | 152 | 187 | 167 | 110 | 70 | 75 | 85 | 99 | 134 | 172 | 1,582 | | | | |
| 1191 | RWS36 | Bt.Bayang-Muara Air | 01 09 S | 100 37 E | 205 | 9 | 163 | 138 | 146 | 192 | 183 | 124 | 110 | 108 | 116 | 146 | 186 | 209 | 1,823 | 152 | 209 | 108 |
| | RWS7 | Bt.Batahan-Silaping | 00 24 N | 99 28 E | 310 | 38 | 216 | 196 | 212 | 339 | 227 | 136 | 150 | 153 | 272 | 269 | 328 | 355 | 2,853 | 238 | 355 | 136 |
| | RWS53 | Bt.Arau-Lb.bergaling | 00 58 S | 100 25 E | 104 | 5 | 304 | 124 | 209 | 198 | 332 | 185 | 113 | 60 | 95 | 246 | 421 | 319 | 2,606 | 217 | 421 | 60 |
| 1201 | | | Average | | 207 | 260 | 160 | 211 | 269 | 280 | 161 | 132 | 107 | 184 | 258 | 375 | 337 | 2,730 | | | | |
| | RJ2 | Bt.Tembesi-Muara Inum | 02 17 S | 102 24 E | 1520 | 40 | 164 | 175 | 179 | 215 | 179 | 115 | 88 | 103 | 150 | 162 | 178 | 238 | 1,946 | 162 | 238 | 88 |
| | RJ3 | Bt.Tabir-Muara Jernih | 01 57 S | 102 10 E | 910 | 40 | 143 | 126 | 158 | 236 | 195 | 135 | 102 | 131 | 151 | 184 | 192 | 214 | 1,967 | 164 | 236 | 102 |
| | RJ17 | Bt.Merangin-Lb.Paku | 02 11 S | 101 37 E | 1446 | 53 | 156 | 123 | 119 | 126 | 116 | 85 | 71 | 53 | 56 | 78 | 138 | 153 | 1,274 | 106 | 156 | 53 |
| 1210 | | | Average | | 1,292 | 154 | 141 | 152 | 192 | 163 | 112 | 87 | 96 | 119 | 141 | 169 | 202 | 1,729 | | | | |
| | RSS27 | A.Enim-Dusum Lingga | 03 47 S | 103 47 E | 1178 | 5 | 238 | 191 | 299 | 282 | 194 | 127 | 104 | 118 | 178 | 146 | 195 | 267 | 2,339 | 195 | 299 | 104 |
| | RSS45 | A.Klingi-Lb.Linggau | 03 16 S | 102 51 E | 400 | 6 | 230 | 202 | 231 | 243 | 203 | 146 | 123 | 112 | 167 | 163 | 172 | 245 | 2,238 | 187 | 245 | 112 |
| 1241 | | | Average | | 789 | 234 | 196 | 265 | 263 | 198 | 137 | 114 | 115 | 173 | 155 | 183 | 256 | 2,289 | | | | |
| | RL2 | W.Tatayan-Sumber Sari | 05 10 S | 104 53 E | 112 | 9 | 105 | 116 | 99 | 118 | 73 | 34 | 24 | 33 | 28 | 37 | 61 | 97 | 825 | 69 | 118 | 24 |
| | RL3 | W.Waya-Banyuwangi | 05 07 S | 105 02 E | 121 | 8 | 60 | 63 | 65 | 71 | 68 | 51 | 41 | 40 | 41 | 37 | 44 | 56 | 637 | 53 | 71 | 37 |
| | RL32 | W.Jepara-Jepara | 05 12 S | 105 43 E | 130 | 34 | 115 | 121 | 137 | 108 | 93 | 84 | 73 | 54 | 38 | 44 | 43 | 80 | 990 | 83 | 137 | 38 |
| 1261 | | | Average | | 121 | 93 | 100 | 100 | 99 | 78 | 56 | 46 | 42 | 36 | 39 | 49 | 78 | 817 | | | | |
| | RL4 | W.Sekampung-Pujo Rahayu | 05 18 S | 105 03 E | 1743 | 8 | 129 | 155 | 109 | 123 | 83 | 79 | 35 | 38 | 70 | 38 | 42 | 55 | 956 | 80 | 155 | 35 |
| | RL5 | W.Sekampung-Jurai | 05 18 S | 104 49 E | 682 | 9 | 176 | 174 | 185 | 175 | 156 | 105 | 108 | 105 | 93 | 87 | 127 | 157 | 1,648 | 137 | 185 | 87 |
| | RL6 | W.Sekampung-Kunzir | 05 17 S | 104 48 E | 444 | 7 | 176 | 157 | 175 | 181 | 161 | 129 | 127 | 123 | 106 | 103 | 132 | 133 | 1,703 | 142 | 181 | 103 |
| | RL7 | W.Sekampung-Tegineneng | 05 16 S | 105 06 E | 2153 | 8 | 90 | 111 | 135 | 127 | 79 | 46 | 36 | 27 | 25 | 26 | 38 | 71 | 810 | 68 | 135 | 25 |
| 1262 | | | Average | | 1,256 | 143 | 149 | 151 | 152 | 120 | 90 | 77 | 73 | 73 | 73 | 63 | 85 | 104 | 1,279 | | | |
| 1290 | RB46 | A.Ketahun-Karang Doyo | 03 10 S | 102 15 E | 701 | 12 | 192 | 155 | 177 | 174 | 149 | 112 | 90 | 82 | 101 | 138 | 176 | 195 | 1,741 | 145 | 195 | 82 |

Table 3.4 Average River Discharge by River Basin (2/7)

| River Basin Code | Station Code | Station (River) Name | Location | Catchment Area (km ²) | Year | Runoff (mm/month) | | | | | | | | | | | | Annual Ave. | Max | Min | |
|------------------|--------------|--------------------------|----------|-----------------------------------|-------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-----|-----|-----|
| | | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | |
| 2011 | RWJ1 | S.Citiman - Leuwikopo | 06 38 S | 105 58 E | 101 | 6 439 | 279 | 316 | 315 | 294 | 143 | 127 | 114 | 120 | 136 | 211 | 213 | 2,707 | 226 | 439 | 114 |
| | RWJ2 | S.Citiman - Munjul | 06 36 S | 105 54 E | 324 | 6 423 | 223 | 245 | 219 | 177 | 118 | 94 | 89 | 51 | 90 | 187 | 197 | 2,113 | 176 | 423 | 51 |
| | RWJ3 | S.Cisata - Pasirsereh | 06 23 S | 105 59 E | 47 | 6 512 | 268 | 318 | 224 | 146 | 119 | 90 | 75 | 94 | 109 | 306 | 263 | 2,524 | 210 | 512 | 75 |
| | RWJ5 | S.Cimoyang - Pasargadung | 06 30 S | 105 54 E | 72 | 6 449 | 204 | 234 | 163 | 85 | 94 | 57 | 41 | 54 | 63 | 253 | 165 | 1,862 | 155 | 449 | 41 |
| | RWJ6 | Cikadueun - Cibogo | 06 25 S | 105 55 E | 38 | 6 417 | 228 | 319 | 264 | 152 | 117 | 98 | 93 | 87 | 86 | 187 | 194 | 2,242 | 187 | 417 | 86 |
| | | Average | | | 116 | 448 | 240 | 286 | 237 | 171 | 118 | 93 | 82 | 81 | 97 | 229 | 206 | 2,290 | | | |
| 2020 | RWJ8 | S.Ciujung - Kragilan | 06 08 S | 106 18 E | 1858 | 6 404 | 190 | 205 | 170 | 120 | 51 | 79 | 63 | 64 | 71 | 151 | 143 | 1,711 | 143 | 404 | 51 |
| | RWJ9 | Ciujung - Rangkasbitung | 06 21 S | 106 14 E | 1389 | 6 359 | 209 | 241 | 223 | 184 | 131 | 105 | 103 | 103 | 113 | 147 | 150 | 2,068 | 172 | 359 | 103 |
| | RWJ10 | Cidurian - Kopamaja | 06 20 S | 106 24 E | 304 | 6 412 | 198 | 254 | 249 | 218 | 129 | 108 | 88 | 130 | 151 | 208 | 193 | 2,338 | 195 | 412 | 88 |
| | | Average | | | 1,184 | 392 | 199 | 233 | 214 | 174 | 104 | 97 | 85 | 99 | 112 | 169 | 162 | 2,039 | | | |
| 2030 | RWJ17 | Cisadane - Batubelah | 06 31 S | 106 41 E | 841 | 6 337 | 212 | 289 | 274 | 260 | 172 | 131 | 136 | 181 | 235 | 238 | 224 | 2,689 | 224 | 337 | 131 |
| | RWJ59 | Cibuni - Cibungur | 07 23 S | 106 51 E | 1081 | 6 230 | 180 | 277 | 310 | 258 | 209 | 118 | 86 | 65 | 129 | 320 | 302 | 2,484 | 207 | 320 | 65 |
| | RWJ60 | Ciletuh - Cipiring | 07 18 S | 106 37 E | 87 | 6 424 | 214 | 307 | 228 | 167 | 155 | 112 | 82 | 43 | 67 | 281 | 301 | 2,381 | 198 | 424 | 43 |
| | RWJ63 | Cimandiri - Tegaldatar | 07 02 S | 106 44 E | 539 | 6 180 | 135 | 193 | 196 | 144 | 97 | 86 | 60 | 42 | 75 | 159 | 179 | 1,546 | 129 | 196 | 42 |
| | | Average | | | 569 | 278 | 176 | 259 | 245 | 190 | 154 | 105 | 76 | 50 | 90 | 253 | 261 | 2,137 | | | |
| | | Average | | | 1718 | 10 147 | 116 | 160 | 177 | 111 | 63 | 37 | 32 | 40 | 57 | 109 | 157 | 1,206 | 101 | 177 | 32 |
| 2041 | RWJ19 | Citarum - Nanjung | 06 57 S | 107 32 E | 76 | 6 122 | 101 | 131 | 135 | 129 | 113 | 93 | 84 | 75 | 83 | 112 | 137 | 1,315 | 110 | 137 | 75 |
| | RWJ20 | Cikapundung - Maribaya | 06 50 S | 107 39 E | 43 | 6 117 | 97 | 119 | 123 | 124 | 105 | 98 | 90 | 81 | 92 | 115 | 136 | 1,297 | 108 | 136 | 81 |
| | RWJ21 | Cigulung - Maribaya | 06 48 S | 107 37 E | 101 | 6 91 | 76 | 97 | 104 | 100 | 80 | 60 | 60 | 70 | 103 | 103 | 123 | 1,067 | 89 | 123 | 60 |
| | RWJ22 | Cikapundung - Gandok | 06 53 S | 107 36 E | 485 | 119 | 98 | 127 | 135 | 116 | 90 | 72 | 67 | 67 | 84 | 110 | 138 | 1,221 | | | |
| | | Average | | | 218 | 6 502 | 243 | 258 | 266 | 162 | 113 | 113 | 104 | 123 | 150 | 195 | 211 | 2,440 | 203 | 502 | 104 |
| | | Average | | | 688 | 6 156 | 122 | 181 | 179 | 146 | 86 | 76 | 56 | 37 | 49 | 97 | 168 | 1,353 | 113 | 181 | 37 |
| 2042 | RWJ35 | Cimanuk - Bojongloa | 07 15 S | 107 55 E | 286 | 6 135 | 134 | 161 | 136 | 119 | 91 | 79 | 52 | 50 | 63 | 113 | 127 | 1,260 | 105 | 161 | 50 |
| | RWJ36 | Cimanuk - Leuwidaun | 07 13 S | 107 54 E | 43836 | 6 119 | 125 | 146 | 116 | 116 | 89 | 74 | 51 | 50 | 64 | 108 | 125 | 1,183 | 99 | 146 | 50 |
| | RWJ37 | Cimanuk - Leuwigoong | 07 12 S | 107 56 E | 760 | 6 113 | 117 | 142 | 125 | 112 | 84 | 64 | 43 | 43 | 65 | 100 | 116 | 1,124 | 94 | 142 | 43 |
| | RWJ38 | Cimanuk - Wado | 06 53 S | 108 05 E | 1264 | 6 106 | 116 | 148 | 125 | 107 | 78 | 53 | 33 | 33 | 61 | 89 | 124 | 1,073 | 89 | 148 | 33 |
| | RWJ39 | Cimanuk - Tomo | 06 46 S | 108 13 E | 1931 | 6 134 | 144 | 183 | 156 | 129 | 76 | 59 | 37 | 32 | 37 | 71 | 132 | 1,190 | 99 | 183 | 32 |
| | | Average | | | 437 | 6 131 | 125 | 195 | 164 | 106 | 67 | 48 | 43 | 31 | 29 | 67 | 145 | 1,151 | 96 | 195 | 29 |
| 2051 | RWJ41 | Cipeles - Warungpeti | 06 48 S | 108 04 E | 7,029 | 128 | 126 | 165 | 143 | 119 | 82 | 65 | 45 | 39 | 53 | 92 | 134 | 1,191 | | | |
| 2052 | RWJ46 | Cisanggarung - Pasuruan | 06 49 S | 108 48 E | 834 | 6 107 | 198 | 184 | 119 | 90 | 46 | 23 | 9 | 6 | 14 | 46 | 123 | 965 | 80 | 198 | 6 |
| | RWJ57 | Ciwulan - Sodong | 07 31 S | 108 11 E | 906 | 6 193 | 164 | 203 | 192 | 190 | 170 | 141 | 115 | 130 | 165 | 215 | 196 | 2,074 | 173 | 215 | 115 |
| | RWJ58 | Cilangla - Leuwineukteuk | 07 35 S | 108 08 E | 186 | 6 185 | 147 | 214 | 178 | 210 | 248 | 245 | 139 | 151 | 210 | 265 | 160 | 2,352 | 196 | 265 | 139 |
| 2060 | | | | | 546 | 189 | 156 | 209 | 185 | 200 | 209 | 193 | 127 | 141 | 188 | 240 | 178 | 2,213 | | | |

Table 3.4 Average River Discharge by River Basin (3/7)

| River Basin Code | Station Code | Station (River) Name | Location | Catchment Area (km ²) | Year | Runoff (mm/month) | | | | | | | | | | | | Annual Ave. | Max | Min | | |
|------------------|--------------|-------------------------------|----------|-----------------------------------|-------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-------|-----|-----|-----|
| | | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | |
| 2070 | RWJ47 | Citanduy - Cirabong | 07 21 S | 108 16 E | 602 | 6 | 197 | 227 | 233 | 213 | 231 | 166 | 111 | 84 | 58 | 162 | 218 | 221 | 2,121 | 177 | 233 | 58 |
| | RWJ49 | Citanduy - Leuwitjong | 07 18 S | 108 31 E | 427 | 6 | 126 | 151 | 181 | 161 | 142 | 107 | 75 | 53 | 47 | 99 | 146 | 141 | 1,429 | 119 | 181 | 47 |
| | RWJ50 | Citanduy - Pataruman | 07 22 S | 108 33 E | 1163 | 12 | 302 | 357 | 353 | 315 | 310 | 183 | 136 | 115 | 166 | 285 | 346 | 331 | 3,199 | 267 | 357 | 115 |
| | RWJ51 | Ciseel - Cilisung | 07 25 S | 108 31 E | 190 | 6 | 294 | 209 | 194 | 164 | 184 | 168 | 111 | 96 | 91 | 101 | 154 | 182 | 1,948 | 162 | 294 | 91 |
| | RWJ52 | Ciseel - Binangun | 07 24 S | 108 31 E | 321 | 6 | 209 | 196 | 163 | 127 | 158 | 135 | 76 | 53 | 59 | 80 | 134 | 131 | 1,521 | 127 | 209 | 53 |
| | RWJ53 | Citanduy - Cikawang | 07 22 S | 108 41 E | 2515 | 13 | 228 | 232 | 259 | 204 | 159 | 121 | 54 | 45 | 58 | 141 | 259 | 270 | 2,030 | 169 | 270 | 45 |
| | RWJ54 | Cijolang - Cikadu | 07 14 S | 108 34 E | 383 | 6 | 224 | 242 | 253 | 221 | 139 | 115 | 81 | 57 | 59 | 113 | 222 | 243 | 1,969 | 164 | 253 | 57 |
| | RWJ55 | Citanduy - Karangari | 07 28 S | 108 43 E | 2595 | 6 | 205 | 236 | 240 | 182 | 157 | 158 | 89 | 67 | 60 | 122 | 247 | 223 | 1,986 | 166 | 247 | 60 |
| | RCJ40 | Cikawang - Cimei | 07 23 S | 108 45 E | 526 | 6 | 240 | 240 | 246 | 187 | 181 | 147 | 65 | 46 | 43 | 81 | 227 | 254 | 1,957 | 163 | 254 | 43 |
| | Average | | | Average | 969 | 225 | 232 | 236 | 197 | 185 | 144 | 89 | 68 | 71 | 132 | 217 | 222 | 2,018 | | | | |
| 2080 | RCJ3 | K.Comal - Kecepit | 07 08 S | 109 25 E | 382 | 6 | 121 | 134 | 143 | 123 | 95 | 75 | 65 | 56 | 49 | 48 | 50 | 65 | 1,024 | 85 | 143 | 48 |
| | RCJ4 | K.Kupang - Pagarukir | 07 03 S | 109 49 E | 300 | 6 | 90 | 69 | 69 | 48 | 40 | 29 | 21 | 16 | 16 | 24 | 40 | 52 | 514 | 43 | 90 | 16 |
| | Average | | | Average | 341 | 106 | 102 | 106 | 86 | 68 | 52 | 43 | 36 | 33 | 36 | 45 | 59 | 769 | | | | |
| | RCJ32 | K.Serayu - Banyumas | 07 31 S | 109 17 E | 2632 | 6 | 334 | 285 | 344 | 290 | 236 | 175 | 124 | 91 | 96 | 165 | 294 | 354 | 2,788 | 232 | 354 | 91 |
| 2091 | RCJ33 | K.Serayu - Rawalo | 07 32 S | 109 10 E | 3096 | 11 | 343 | 305 | 337 | 304 | 238 | 161 | 95 | 75 | 122 | 203 | 300 | 330 | 2,813 | 234 | 343 | 75 |
| | Average | | | Average | 2,864 | 339 | 295 | 341 | 297 | 237 | 168 | 110 | 83 | 109 | 184 | 297 | 342 | 2,801 | | | | |
| 2101 | RCJ9 | K.Bodri - Juwero | 06 58 S | 110 08 E | 554 | 6 | 264 | 219 | 276 | 215 | 174 | 115 | 85 | 56 | 56 | 51 | 85 | 163 | 1,759 | 147 | 276 | 51 |
| | RCJ10 | K.Serang - Muncar | 07 20 S | 110 38 E | 100 | 6 | 163 | 178 | 140 | 119 | 119 | 77 | 85 | 43 | 41 | 41 | 59 | 83 | 1,148 | 96 | 178 | 41 |
| | RCJ11 | K.Serang - Tongpait | 07 01 S | 110 46 E | 3080 | 6 | 183 | 123 | 162 | 87 | 48 | 21 | 24 | 9 | 8 | 15 | 38 | 125 | 843 | 70 | 183 | 8 |
| | RCJ61 | K.Lusi - Kunduran | 07 04 S | 111 13 E | 1858 | 6 | 73 | 38 | 109 | 33 | 28 | 8 | 2 | 1 | 1 | 8 | 15 | 41 | 357 | 30 | 109 | 1 |
| | Average | | | Average | 1,679 | 140 | 113 | 137 | 80 | 65 | 35 | 37 | 18 | 17 | 21 | 37 | 83 | 783 | | | | |
| | RCJ18 | K.Progo - Kranggan II | 07 21 S | 110 13 E | 424 | 6 | 150 | 149 | 181 | 138 | 113 | 86 | 63 | 40 | 40 | 53 | 84 | 106 | 1,203 | 100 | 181 | 40 |
| | RCJ19 | K.Tangsi - Susukan | 07 29 S | 110 14 E | 119 | 6 | 186 | 168 | 222 | 148 | 139 | 75 | 47 | 38 | 38 | 42 | 126 | 152 | 1,381 | 115 | 222 | 38 |
| | RCJ20 | K.Elo - Mendut | 07 29 S | 110 17 E | 444 | 6 | 166 | 157 | 197 | 171 | 148 | 120 | 97 | 81 | 77 | 85 | 112 | 143 | 1,554 | 130 | 197 | 77 |
| | RCJ27 | K.Lukulo - K.Gending | 07 33 S | 109 40 E | 270 | 6 | 256 | 231 | 357 | 277 | 195 | 125 | 60 | 19 | 34 | 206 | 266 | 331 | 2,357 | 196 | 357 | 19 |
| | RY5 | K.Progo - Duwet | 07 40 S | 110 16 E | 1762 | 6 | 187 | 219 | 225 | 260 | 130 | 82 | 67 | 46 | 42 | 59 | 106 | 141 | 1,564 | 130 | 260 | 42 |
| 2111 | RY22 | K.Progo - Bantar | 07 38 S | 110 15 E | 2008 | 6 | 169 | 165 | 201 | 163 | 131 | 98 | 70 | 42 | 38 | 48 | 91 | 118 | 1,334 | 111 | 201 | 38 |
| | Average | | | Average | 838 | 186 | 182 | 231 | 193 | 143 | 98 | 67 | 44 | 45 | 82 | 131 | 165 | 1,566 | | | | |
| 2112 | RY1 | K.Oyo - Kedungmiri | 07 57 S | 110 25 E | 958 | 5 | 114 | 96 | 90 | 83 | 76 | 45 | 32 | 10 | 13 | 11 | 39 | 50 | 659 | 55 | 114 | 10 |
| | REJ1 | B.Solo - Napei | 07 23 S | 111 28 E | 9689 | 12 | 184 | 171 | 200 | 142 | 90 | 42 | 23 | 9 | 15 | 31 | 64 | 110 | 1,081 | 90 | 200 | 9 |
| 2121 | REJ8 | K.Madiun - Nambangan (Madiun) | 07 33 S | 111 33 E | 2290 | 6 | 105 | 90 | 102 | 97 | 47 | 37 | 18 | 6 | 3 | 4 | 29 | 40 | 578 | 48 | 105 | 3 |
| | Average | | | Average | 5,990 | 145 | 131 | 151 | 120 | 69 | 40 | 21 | 8 | 9 | 18 | 47 | 75 | 830 | | | | |

Table 3.4 Average River Discharge by River Basin (4/7)

| River Basin Code | Station Code | Station (River) Name | Location | Catchment Area (km ²) | Year | | | | | | | | | | | | Annual Ave. | Max | Min | | | |
|------------------|--------------|--------------------------|----------|-----------------------------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-----|-------|-----|-----|-----|
| | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | | |
| 2122 | REJ9 | B.Solo - Cepu | 07 09 S | 111 36 E | 11014 | 10 | 159 | 156 | 184 | 143 | 95 | 34 | 15 | 4 | 13 | 26 | 57 | 85 | 971 | 81 | 184 | 4 |
| | REJ10 | B.Solo - Bojonegoro | 07 09 S | 111 53 E | 12970 | 6 | 153 | 113 | 132 | 115 | 64 | 34 | 13 | 5 | 3 | 11 | 48 | 81 | 772 | 64 | 153 | 3 |
| 2123 | Average | | | | 11,992 | | 156 | 135 | 158 | 129 | 80 | 34 | 14 | 5 | 8 | 19 | 53 | 83 | 872 | | | |
| | REJ39 | K.Grindulu - Gunungsari | 08 07 S | 111 08 E | 608 | 6 | 230 | 177 | 221 | 164 | 78 | 45 | 43 | 9 | 5 | 11 | 85 | 123 | 1,191 | 99 | 230 | 5 |
| 2131 | REJ25 | K.Brantas - Kerosono | 07 36 S | 112 36 E | 8610 | 6 | 72 | 68 | 69 | 60 | 46 | 36 | 25 | 14 | 13 | 16 | 35 | 52 | 506 | 42 | 72 | 13 |
| | REJ27 | K.Brantas - Mojokerto | 07 28 S | 112 27 E | 9834 | 8 | 131 | 80 | 141 | 109 | 101 | 45 | 24 | 14 | 17 | 34 | 54 | 72 | 822 | 69 | 141 | 14 |
| 2132 | Average | | | | 9,222 | | 102 | 74 | 105 | 85 | 74 | 41 | 25 | 14 | 15 | 25 | 45 | 62 | 664 | | | |
| | REJ17 | K.Brantas - Pundensari | 08 07 S | 112 16 E | 3280 | 6 | 128 | 115 | 117 | 108 | 96 | 71 | 64 | 47 | 45 | 44 | 67 | 98 | 1,000 | 83 | 128 | 44 |
| 2141 | REJ19 | K.Bagong - Temon | 08 01 S | 111 43 E | 69 | 6 | 131 | 141 | 135 | 202 | 155 | 99 | 74 | 29 | 16 | 24 | 97 | 132 | 1,235 | 103 | 202 | 16 |
| | REJ23 | K.Brantas - Kediri | 07 49 S | 112 32 E | 7702 | 6 | 80 | 73 | 80 | 71 | 60 | 43 | 34 | 28 | 22 | 21 | 36 | 52 | 600 | 50 | 80 | 21 |
| 2142 | Average | | | | 3,684 | | 113 | 110 | 111 | 127 | 104 | 71 | 57 | 35 | 28 | 30 | 67 | 94 | 945 | | | |
| | REJ30 | K.Pekalen - Condong | 07 48 S | 113 23 E | 170 | 6 | 287 | 226 | 273 | 286 | 206 | 130 | 110 | 98 | 78 | 84 | 110 | 155 | 2,043 | 170 | 287 | 78 |
| 3012 | REJ34 | K.Sanen - Sanen | 08 22 S | 113 42 E | 270 | 6 | 113 | 128 | 91 | 51 | 66 | 50 | 31 | 17 | 13 | 19 | 47 | 79 | 705 | 59 | 128 | 13 |
| | REJ36 | K.Bundoyudo - Wonorejo | 08 09 S | 113 14 E | 119 | 5 | 476 | 413 | 455 | 427 | 359 | 358 | 319 | 312 | 279 | 295 | 296 | 352 | 4,341 | 362 | 476 | 279 |
| 3020 | Average | | | | 195 | | 295 | 271 | 273 | 239 | 213 | 204 | 175 | 165 | 146 | 157 | 172 | 216 | 2,523 | | | |
| | RB12 | Tk.Ayung - Sidan | 08 19 S | 115 15 E | 56 | 6 | 101 | 109 | 134 | 147 | 150 | 135 | 96 | 91 | 102 | 118 | 114 | 103 | 1,400 | 117 | 150 | 91 |
| 3030 | RB13 | Tk.Ayung - Buangga | 08 25 S | 115 13 E | 179 | 6 | 146 | 105 | 133 | 117 | 120 | 139 | 123 | 84 | 99 | 125 | 127 | 129 | 1,447 | 121 | 146 | 84 |
| | Average | | | | 118 | | 124 | 107 | 134 | 132 | 135 | 137 | 110 | 88 | 101 | 122 | 121 | 116 | 1,424 | | | |
| 3030 | RWN4 | S.Babak - Gebong | 08 37 S | 116 12 E | 193 | 9 | 219 | 182 | 182 | 175 | 169 | 92 | 54 | 46 | 96 | 137 | 179 | 183 | 1,714 | 143 | 219 | 46 |
| | RWN7 | S.Dodakan - Karang Anyar | 08 41 S | 116 08 E | 529 | 9 | 222 | 192 | 192 | 118 | 116 | 33 | 33 | 13 | 34 | 40 | 129 | 177 | 1,299 | 108 | 222 | 13 |
| 3030 | Average | | | | 361 | | 221 | 187 | 187 | 147 | 143 | 63 | 44 | 30 | 65 | 89 | 154 | 180 | 1,507 | | | |
| | RWN30 | Br.Moyo - Moyo | 08 30 S | 117 30 E | 288 | 5 | 60 | 72 | 116 | 55 | 10 | 32 | 11 | 1 | 0 | 1 | 4 | 29 | 391 | 33 | 116 | 0 |
| 3030 | RWN44 | S.Sari - Sari | 08 32 S | 118 54 E | 8 | 5 | 117 | 94 | 77 | 65 | 57 | 45 | 47 | 40 | 39 | 37 | 55 | 90 | 763 | 64 | 117 | 37 |
| | Average | | | | 148 | | 89 | 83 | 97 | 60 | 34 | 39 | 29 | 21 | 20 | 19 | 30 | 60 | 577 | | | |

Table 3.4 Average River Discharge by River Basin (5/7)

| River Basin Code | Station Code | Station(River) Name | Location | Catchment Area (km ²) | Runoff (mm/month) | | | | | | | | | | | | Annual Ave. | Max | Min | | | |
|------------------|--------------|--------------------------|----------|-----------------------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-------|-------|-----|-----|-----|
| | | | | | Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | | | | Dec | | |
| | RET2 | S.Matabuik - Atambua | 09 08 S | 125 06 E | 100 | 5 | 94 | 133 | 134 | 36 | 30 | 23 | 21 | 19 | 16 | 27 | 26 | 59 | 618 | 52 | 134 | 16 |
| | RET3 | S.Benain - Temef | 09 45 S | 124 28 E | 488 | 7 | 77 | 71 | 77 | 57 | 49 | 35 | 22 | 15 | 12 | 14 | 25 | 65 | 519 | 43 | 77 | 12 |
| | RET4 | S.Maubesi - Noilnebo | 09 33 S | 124 39 E | 227 | 7 | 81 | 63 | 91 | 58 | 43 | 34 | 33 | 30 | 27 | 30 | 32 | 64 | 586 | 49 | 91 | 27 |
| | RET6 | S.Benain - Nunbai | 09 34 S | 124 40 E | 3200 | 5 | 52 | 52 | 52 | 34 | 25 | 19 | 13 | 10 | 7 | 5 | 19 | 37 | 325 | 27 | 52 | 5 |
| | RET7 | S.Bikoni - Kepamenanu | 09 28 S | 124 38 E | 85 | 5 | 79 | 77 | 101 | 43 | 38 | 34 | 32 | 28 | 27 | 25 | 46 | 73 | 603 | 50 | 101 | 25 |
| | RET8 | N.Muke - Aebelo | 10 08 S | 124 19 E | 541 | 5 | 44 | 34 | 49 | 28 | 22 | 18 | 14 | 11 | 8 | 6 | 24 | 38 | 296 | 25 | 49 | 6 |
| | RET10 | S.Mina - Boentuko (Mio) | 09 58 S | 124 09 E | 1640 | 5 | 74 | 59 | 69 | 38 | 19 | 10 | 6 | 3 | 2 | 1 | 23 | 48 | 352 | 29 | 74 | 1 |
| | RET12 | Nungkurus - Lili | 10 02 S | 123 59 E | 88 | 5 | 110 | 100 | 100 | 50 | 40 | 32 | 27 | 21 | 18 | 15 | 53 | 76 | 642 | 54 | 110 | 15 |
| | RET14 | Oesao - Fatuteta | 10 08 S | 123 44 E | 127 | 5 | 76 | 55 | 68 | 39 | 30 | 23 | 19 | 13 | 10 | 8 | 39 | 61 | 441 | 37 | 76 | 8 |
| | RET15 | S.Manikin - Tarus | 10 09 S | 123 41 E | 94 | 5 | 185 | 200 | 213 | 127 | 111 | 102 | 97 | 91 | 91 | 68 | 52 | 94 | 1,431 | 119 | 213 | 52 |
| | RET30 | S.Benain - Aroki | 09 22 S | 124 50 E | 23 | 5 | 70 | 63 | 58 | 23 | 24 | 11 | 12 | 12 | 12 | 11 | 12 | 34 | 388 | 32 | 70 | 11 |
| | RET31 | S.Noil Oesao - Oesao | 10 09 S | 123 45 E | 111 | 5 | 88 | 72 | 135 | 45 | 21 | 15 | 11 | 10 | 7 | 8 | 7 | 26 | 445 | 37 | 135 | 7 |
| 3060 | | | Average | | 560 | 86 | 82 | 96 | 48 | 38 | 30 | 26 | 22 | 20 | 18 | 32 | 58 | 554 | | | | |
| 4022 | RS55 | Riam Kiwa - Sie Langsat | 03 17 S | 115 04 E | 977 | 6 | 265 | 158 | 230 | 256 | 131 | 66 | 67 | 23 | 15 | 29 | 79 | 246 | 1,565 | 130 | 265 | 15 |
| | RNS28 | S.Tondano-Tonsea Lama | 01 19 N | 124 55 E | 247 | 12 | 108 | 98 | 113 | 131 | 147 | 131 | 116 | 86 | 68 | 66 | 85 | 108 | 1,257 | 105 | 147 | 66 |
| | RNS32 | S.Munte-Tincep | 01 30 N | 124 44 E | 53 | 10 | 207 | 189 | 196 | 202 | 193 | 189 | 142 | 124 | 119 | 126 | 164 | 191 | 2,042 | 170 | 207 | 119 |
| 5011 | | | Average | | 150 | 158 | 144 | 155 | 167 | 170 | 160 | 129 | 105 | 94 | 96 | 125 | 150 | 1,650 | | | | |
| 5050 | RCS1 | S.Poso-Saujo | 01 42 S | 120 40 E | 1370 | 9 | 211 | 171 | 208 | 380 | 536 | 796 | 330 | 187 | 128 | 131 | 134 | 185 | 3,397 | 283 | 796 | 128 |
| 5091 | RCS2 | S.Gumbase-Paliti | 01 16 S | 120 07 E | 294 | 8 | 145 | 131 | 145 | 230 | 245 | 194 | 232 | 153 | 115 | 117 | 143 | 173 | 2,023 | 169 | 245 | 115 |
| 5102 | RSES1 | S.Konaweha-Pelosika | 03 44 S | 121 45 E | 2246 | 5 | 46 | 63 | 91 | 141 | 136 | 150 | 97 | 49 | 42 | 34 | 32 | 43 | 924 | 77 | 150 | 32 |
| | RSS30 | S.Lamasi-Batusitanduk | 02 51 S | 120 07 E | 365 | 42 | 235 | 226 | 340 | 315 | 377 | 268 | 227 | 184 | 118 | 84 | 75 | 173 | 2,622 | 219 | 377 | 75 |
| | RSS149 | S.Makawa-Mamara | 02 49 S | 120 07 E | 108 | 46 | 253 | 294 | 317 | 398 | 337 | 326 | 216 | 179 | 185 | 146 | 130 | 340 | 3,121 | 260 | 398 | 130 |
| | RSS164 | S.Rongkong-Saabang | 02 36 S | 120 14 E | 1030 | 45 | 161 | 152 | 270 | 383 | 432 | 317 | 260 | 179 | 159 | 128 | 138 | 182 | 2,761 | 230 | 432 | 128 |
| 5141 | | | Average | | 501 | 216 | 224 | 309 | 365 | 382 | 304 | 234 | 181 | 154 | 119 | 114 | 232 | 2,835 | | | | |
| | RSS67 | S.Bungodidi-Bungodidi | 02 39 S | 120 30 E | 83 | 46 | 329 | 303 | 445 | 359 | 432 | 319 | 245 | 229 | 137 | 103 | 122 | 197 | 3,220 | 268 | 445 | 103 |
| | RSS155 | S.Balease-Lindu | 02 32 S | 120 21 E | 855 | 46 | 235 | 217 | 323 | 349 | 360 | 297 | 226 | 188 | 161 | 135 | 142 | 222 | 2,855 | 238 | 360 | 135 |
| | RSS157 | S.Bonebone - Bonebone | 02 35 S | 120 31 E | 46 | 46 | 262 | 239 | 361 | 361 | 419 | 372 | 303 | 279 | 210 | 116 | 124 | 151 | 3,197 | 266 | 419 | 116 |
| 5142 | | | Average | | 328 | 275 | 253 | 376 | 356 | 404 | 329 | 258 | 232 | 169 | 118 | 129 | 190 | 3,091 | | | | |
| | RSS4 | S.Kalaena-Teromu | 02 26 S | 120 49 E | 1332 | 64 | 129 | 133 | 192 | 232 | 205 | 153 | 117 | 91 | 74 | 69 | 90 | 128 | 1,613 | 134 | 232 | 69 |
| | RSS159 | S.Kalaena-Mungkotanah | 02 24 S | 120 47 E | 1250 | 23 | 133 | 134 | 205 | 238 | 210 | 156 | 132 | 94 | 67 | 59 | 79 | 108 | 1,615 | 135 | 238 | 59 |
| 5143 | | | Average | | 1,291 | 131 | 133 | 199 | 235 | 208 | 155 | 125 | 92 | 70 | 64 | 85 | 118 | 1,614 | | | | |
| | RSS1 | S.Larona-Larona | 02 45 S | 121 21 E | 2349 | 55 | 138 | 138 | 170 | 220 | 242 | 211 | 182 | 153 | 111 | 92 | 82 | 103 | 1,842 | 154 | 242 | 82 |
| | RSS2 | D.Towuti-Timampu | 02 40 S | 121 31 E | 25 | 14 | 126 | 121 | 129 | 155 | 165 | 144 | 133 | 138 | 118 | 100 | 103 | 122 | 1,554 | 130 | 165 | 100 |
| 5144 | | | Average | | 1,187 | 132 | 130 | 150 | 188 | 204 | 178 | 158 | 146 | 115 | 96 | 93 | 113 | 1,698 | | | | |

Table 3.4 Average River Discharge by River Basin (6/7)

| River Basin Code | Station Code | Station (River) Name | Location | Catchment Area (km ²) | Runoff (mm/month) | | | | | | | | | | | | Annual Ave. | Max | Min | | | |
|------------------|------------------------|----------------------------|----------|-----------------------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-------|-------|-------|-----|-----|
| | | | | | Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | | | | Dec | | |
| 5152 | RSS15 | S.Mamasa-Sikuku | 03 14 S | 119 17 E | 908 | 6 | 127 | 105 | 133 | 191 | 180 | 157 | 124 | 97 | 90 | 83 | 133 | 162 | 1,582 | 132 | 191 | 83 |
| | RSS142 | S.Mamasa-Garugu | 03 28 S | 119 37 E | 1215 | 11 | 134 | 119 | 165 | 224 | 207 | 162 | 130 | 93 | 77 | 79 | 100 | 170 | 1,660 | 138 | 224 | 77 |
| | RSS165 | S.Maloso-Bulu Batu Simbayo | 03 21 S | 119 10 E | 808 | 8 | 202 | 181 | 196 | 327 | 361 | 346 | 215 | 176 | 180 | 123 | 225 | 282 | 2,814 | 235 | 361 | 123 |
| | RSS140 | S.Mata Ailo-Enrekang | 03 34 S | 119 47 E | 870 | 8 | 72 | 67 | 136 | 176 | 166 | 149 | 102 | 50 | 55 | 49 | 49 | 78 | 1,149 | 96 | 176 | 49 |
| | | | | Average | 950 | 134 | 118 | 158 | 230 | 229 | 204 | 143 | 104 | 101 | 84 | 127 | 173 | | 1,801 | | | |
| | RSS43 | S.Lawo-Lawo | 04 47 S | 119 40 E | 63 | 8 | 332 | 267 | 136 | 485 | 123 | 185 | 72 | 26 | 33 | 30 | 53 | 323 | 2,065 | 172 | 485 | 26 |
| | RSS167 | S.Pangkajene-Tabo Tabo | 04 47 S | 119 35 E | 327 | 6 | 618 | 455 | 311 | 170 | 95 | 59 | 42 | 15 | 11 | 12 | 54 | 424 | 2,266 | 189 | 618 | 11 |
| | | | | Average | 195 | 475 | 361 | 224 | 328 | 109 | 122 | 57 | 21 | 22 | 21 | 21 | 54 | 374 | 2,166 | | | |
| | RSS8 | S.Siwa-Labanga | 03 41 S | 120 21 E | 234 | 9 | 75 | 83 | 137 | 206 | 230 | 251 | 211 | 126 | 102 | 77 | 53 | 86 | 1,657 | 138 | 251 | 53 |
| | RSS96 | S.Gilirang-Gilirang | 03 58 S | 120 16 E | 194 | 5 | 39 | 10 | 26 | 190 | 205 | 195 | 55 | 54 | 56 | 75 | 62 | 46 | 1,013 | 84 | 205 | 10 |
| RSS146 | S.Gilirang-Tarumpakkae | 03 58 S | 120 02 E | 309 | 6 | 79 | 65 | 110 | 166 | 319 | 374 | 325 | 105 | 178 | 108 | 20 | 51 | 1,900 | 158 | 374 | 20 | |
| RSS147 | S.Paremang-Malingang | 03 16 S | 120 13 E | 695 | 8 | 117 | 94 | 154 | 195 | 138 | 88 | 66 | 40 | 34 | 26 | 40 | 113 | 1,105 | 92 | 195 | 26 | |
| | | | Average | 358 | 78 | 63 | 112 | 189 | 223 | 227 | 164 | 81 | 93 | 72 | 44 | 74 | | 1,419 | | | | |
| 5161 | RSS39 | S.Langkeme-Cennae | 04 30 S | 119 54 E | 104 | 9 | 175 | 169 | 95 | 90 | 100 | 85 | 70 | 39 | 40 | 52 | 52 | 136 | 1,103 | 92 | 175 | 39 |
| | RSS45 | S.Sanrego-Turunggeng | 04 59 S | 120 01 E | 174 | 10 | 180 | 151 | 158 | 183 | 218 | 211 | 166 | 144 | 104 | 85 | 106 | 148 | 1,854 | 155 | 218 | 85 |
| | RSS57 | S.Bila-Tanru Tedong | 03 54 S | 119 58 E | 1123 | 9 | 62 | 43 | 100 | 132 | 165 | 157 | 145 | 70 | 82 | 65 | 50 | 72 | 1,143 | 95 | 165 | 43 |
| | RSS95 | S.Walanae-Ujung Lamuru | 04 40 S | 119 59 E | 1625 | 9 | 148 | 174 | 110 | 104 | 129 | 168 | 93 | 43 | 35 | 31 | 35 | 81 | 1,151 | 96 | 174 | 31 |
| | RSS101 | S.Mario-Kalempang | 04 30 S | 119 58 E | 485 | 5 | 142 | 115 | 101 | 105 | 101 | 75 | 57 | 31 | 30 | 29 | 38 | 94 | 918 | 77 | 142 | 29 |
| | RSS107 | S.Sero-Sero | 04 30 S | 119 53 E | 325 | 8 | 289 | 319 | 144 | 111 | 120 | 148 | 93 | 30 | 22 | 20 | 44 | 179 | 1,519 | 127 | 319 | 20 |
| | RSS124 | S.Batupute-Tana Batue | 04 46 S | 119 59 E | 150 | 8 | 220 | 194 | 143 | 124 | 193 | 170 | 127 | 55 | 45 | 41 | 62 | 139 | 1,513 | 126 | 220 | 41 |
| | RSS125 | S.Walanae-Pacongkang | 04 24 S | 119 59 E | 2720 | 5 | 107 | 101 | 107 | 85 | 92 | 115 | 111 | 95 | 17 | 16 | 17 | 48 | 911 | 76 | 115 | 16 |
| | RSS126 | S.Walanae-Lakibong | 04 24 S | 120 00 E | 2759 | 6 | 129 | 136 | 66 | 58 | 74 | 83 | 70 | 30 | 29 | 23 | 18 | 40 | 756 | 63 | 136 | 18 |
| | RSS127 | S.Walanae-Cabenge | 04 20 S | 119 58 E | 2846 | 9 | 160 | 159 | 104 | 116 | 166 | 160 | 99 | 45 | 28 | 42 | 33 | 83 | 1,195 | 100 | 166 | 28 |
| RSS134 | S.Boya-Bulu Cenranae I | 03 47 S | 119 58 E | 514 | 8 | 73 | 55 | 121 | 117 | 137 | 125 | 112 | 57 | 65 | 35 | 39 | 76 | 1,012 | 84 | 137 | 35 | |
| RSS143 | S.Karadjae-Buluimorang | 03 50 S | 119 51 E | 74 | 5 | 33 | 36 | 61 | 105 | 83 | 77 | 69 | 22 | 35 | 14 | 14 | 43 | 592 | 49 | 105 | 14 | |
| RSS166 | S.Bila-Bila | 03 49 S | 120 02 E | 379 | 10 | 65 | 66 | 102 | 148 | 204 | 157 | 176 | 101 | 132 | 78 | 59 | 107 | 1,395 | 116 | 204 | 59 | |
| | | | Average | 1,021 | 137 | 132 | 109 | 114 | 137 | 133 | 107 | 59 | 51 | 41 | 41 | 44 | 96 | 1,159 | | | | |
| 5162 | RSS12 | S.Pamakulu-Ko mara | 05 14 S | 119 34 E | 93 | 9 | 530 | 467 | 256 | 290 | 179 | 86 | 69 | 32 | 36 | 75 | 151 | 331 | 2,502 | 209 | 530 | 32 |
| | RSS13 | S.Maros-Tompo Bulu | 05 10 S | 119 41 E | 252 | 14 | 679 | 587 | 328 | 305 | 202 | 97 | 69 | 34 | 24 | 35 | 137 | 407 | 3,104 | 259 | 679 | 24 |
| | RSS116 | S.Jeneberang-Bilibili | 05 17 S | 119 35 E | 384 | 7 | 488 | 387 | 323 | 287 | 176 | 84 | 56 | 26 | 31 | 30 | 86 | 399 | 2,373 | 198 | 488 | 26 |
| | RSS117 | S.Jenebata-Bilibili | 05 17 S | 119 35 E | 318 | 7 | 555 | 437 | 250 | 235 | 138 | 74 | 53 | 16 | 29 | 13 | 68 | 404 | 2,272 | 189 | 555 | 13 |
| | RSS160 | S.Maros - Talang-talang | 05 02 S | 119 33 E | 352 | 7 | 432 | 501 | 599 | 214 | 164 | 85 | 56 | 34 | 22 | 50 | 125 | 293 | 2,575 | 215 | 599 | 22 |
| | | | | Average | 280 | 537 | 476 | 391 | 266 | 172 | 85 | 61 | 28 | 28 | 28 | 28 | 41 | 113 | 367 | 2,565 | | |
| 5171 | | | | | | | | | | | | | | | | | | | | | | |

Table 3.4 Average River Discharge by River Basin (7/7)

| River Basin Code | Station Code | Station(River) Name | Location | Catchment Area (km ²) | Year | Runoff (mm/month) | | | | | | | | | | | | Annual | | | | |
|------------------|--------------|-----------------------|----------|-----------------------------------|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-------|-----|-----|----|
| | | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Ave. | Max | Min | | |
| | RSS11 | S.Klara-Likupande | 05 34 S | 119 48 E | 276 | 15 | 259 | 251 | 233 | 218 | 179 | 122 | 80 | 50 | 41 | 46 | 102 | 148 | 1,729 | 144 | 259 | 41 |
| | RSS33 | S.Bialo Hilir-Barabe | 05 32 S | 120 10 E | 84 | 6 | 102 | 142 | 216 | 400 | 426 | 317 | 163 | 16 | 22 | 13 | 12 | 73 | 1,902 | 159 | 426 | 12 |
| | RSS44 | S.Pattiro-Katumpi | 04 38 S | 120 14 E | 143 | 6 | 37 | 29 | 75 | 103 | 127 | 145 | 99 | 43 | 31 | 19 | 18 | 47 | 773 | 64 | 145 | 18 |
| | RSS46 | S.Bialo-Bayang Bayang | 05 31 S | 120 09 E | 50 | 4 | 192 | 170 | 197 | 232 | 389 | 263 | 367 | 133 | 139 | 75 | 88 | 122 | 2,367 | 197 | 389 | 75 |
| | RSS110 | S.Palaka-Bulu Tempe | 04 32 S | 120 18 E | 151 | 5 | 71 | 42 | 71 | 124 | 156 | 127 | 98 | 46 | 38 | 30 | 33 | 60 | 896 | 75 | 156 | 30 |
| | RSS122 | S.Aparang-Aparang | 05 14 S | 120 11 E | 62 | 5 | 164 | 181 | 194 | 234 | 389 | 330 | 281 | 117 | 96 | 69 | 71 | 125 | 2,251 | 188 | 389 | 69 |
| 5172 | | Average | | | 128 | | 138 | 136 | 164 | 219 | 278 | 217 | 181 | 68 | 61 | 42 | 54 | 96 | 1,653 | | | |

Source : BTA155

Table 3.5 Relation with Runoff to Rainfall

| River Code | River Name | | Rainfall / Runoff (mm/month) | | | | | | | | | | | |
|------------|----------------------------|----------|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| RNS32 | S.Munte-Tincep | Rainfall | 271 | 238 | 260 | 318 | 257 | 188 | 142 | 88 | 128 | 182 | 269 | 274 |
| | | Runoff | 207 | 189 | 196 | 202 | 193 | 189 | 142 | 124 | 119 | 126 | 164 | 191 |
| RNS7 | S.Bah Balon-Batu Gajah | Rainfall | 119 | 120 | 123 | 142 | 130 | 118 | 85 | 82 | 75 | 78 | 116 | 122 |
| | | Runoff | 18 | 32 | 81 | 58 | 114 | 36 | 42 | 27 | 30 | 37 | 101 | 34 |
| RSES1 | S.Konaweha-Pelosika | Rainfall | 173 | 208 | 197 | 204 | 207 | 183 | 115 | 99 | 43 | 30 | 162 | 182 |
| | | Runoff | 46 | 63 | 91 | 141 | 136 | 150 | 97 | 49 | 42 | 34 | 32 | 43 |
| RSS164 | S.Rongkong-Saabang | Rainfall | 276 | 276 | 364 | 374 | 325 | 250 | 186 | 157 | 157 | 145 | 201 | 242 |
| | | Runoff | 161 | 152 | 270 | 383 | 432 | 317 | 260 | 179 | 159 | 128 | 138 | 182 |
| RSS155 | S.Balease-Lindu | Rainfall | 331 | 311 | 383 | 412 | 398 | 346 | 236 | 207 | 156 | 149 | 200 | 338 |
| | | Runoff | 235 | 217 | 323 | 349 | 360 | 297 | 226 | 188 | 161 | 135 | 142 | 222 |
| RSS4 | S.Kalaena-Teromu | Rainfall | 349 | 308 | 418 | 447 | 433 | 297 | 232 | 193 | 157 | 164 | 251 | 346 |
| | | Runoff | 129 | 133 | 192 | 232 | 205 | 153 | 117 | 91 | 74 | 69 | 90 | 128 |
| RSS142 | S.Mamasa-Garugu | Rainfall | 238 | 212 | 235 | 299 | 301 | 220 | 150 | 109 | 129 | 159 | 242 | 242 |
| | | Runoff | 134 | 119 | 165 | 224 | 207 | 162 | 130 | 93 | 77 | 79 | 100 | 170 |
| RSS165 | S.Maloso-Bulu Batu Simbayo | Rainfall | 198 | 187 | 241 | 346 | 359 | 284 | 280 | 231 | 265 | 302 | 287 | 244 |
| | | Runoff | 202 | 181 | 196 | 327 | 361 | 346 | 215 | 176 | 180 | 123 | 225 | 282 |
| RSS45 | A.Klingi-Lb.Linggau | Rainfall | 208 | 149 | 202 | 264 | 330 | 258 | 218 | 159 | 153 | 69 | 110 | 186 |
| | | Runoff | 180 | 151 | 158 | 183 | 218 | 211 | 166 | 144 | 104 | 85 | 106 | 148 |
| RSS57 | S.Bila-Tanru Tedong | Rainfall | 95 | 128 | 192 | 278 | 410 | 319 | 252 | 167 | 104 | 160 | 137 | 72 |
| | | Runoff | 62 | 43 | 100 | 132 | 165 | 157 | 145 | 70 | 82 | 65 | 50 | 72 |
| RSS95 | S.Walanac-Ujung Lamuru | Rainfall | 204 | 162 | 178 | 215 | 262 | 219 | 146 | 82 | 66 | 70 | 125 | 178 |
| | | Runoff | 148 | 174 | 110 | 104 | 129 | 168 | 93 | 43 | 35 | 31 | 35 | 81 |
| RSS13 | S.Maros-Tompo Bulu | Rainfall | 867 | 613 | 726 | 284 | 145 | 123 | 50 | 50 | 36 | 142 | 327 | 681 |
| | | Runoff | 679 | 587 | 528 | 305 | 202 | 97 | 69 | 34 | 24 | 35 | 137 | 407 |
| RSS116 | S.Jeneberang-Bilibili | Rainfall | 797 | 537 | 432 | 228 | 173 | 96 | 52 | 30 | 28 | 65 | 242 | 533 |
| | | Runoff | 488 | 387 | 323 | 287 | 176 | 84 | 56 | 26 | 31 | 30 | 86 | 399 |
| RSS11 | S.Klara-Likupande | Rainfall | 407 | 321 | 297 | 284 | 209 | 135 | 76 | 27 | 32 | 52 | 222 | 368 |
| | | Runoff | 259 | 251 | 233 | 218 | 179 | 122 | 80 | 50 | 41 | 46 | 102 | 148 |
| RA11 | Kr.Ache-Seulimun | Rainfall | 130 | 114 | 155 | 209 | 113 | 27 | 27 | 112 | 86 | 176 | 194 | 174 |
| | | Runoff | 84 | 148 | 119 | 134 | 113 | 55 | 39 | 31 | 41 | 44 | 110 | 131 |
| RA18 | Kr.Peusangan-Remesan | Rainfall | 166 | 124 | 172 | 179 | 140 | 42 | 39 | 79 | 151 | 161 | 169 | 180 |
| | | Runoff | 93 | 71 | 116 | 118 | 159 | 106 | 43 | 59 | 47 | 63 | 87 | 115 |
| RA34 | Kr.Jambo aye-Lhoknibong | Rainfall | 162 | 137 | 236 | 196 | 157 | 53 | 33 | 78 | 165 | 201 | 239 | 225 |
| | | Runoff | 105 | 68 | 73 | 98 | 115 | 46 | 79 | 59 | 78 | 89 | 128 | 143 |
| RA53 | Kr.Barokumala Dalam | Rainfall | 304 | 271 | 344 | 464 | 242 | 202 | 188 | 249 | 317 | 358 | 390 | 370 |
| | | Runoff | 142 | 185 | 323 | 265 | 209 | 86 | 67 | 45 | 60 | 60 | 154 | 173 |
| RA55 | Kr.Lawe Alas-gumpang | Rainfall | 137 | 97 | 203 | 213 | 142 | 62 | 50 | 87 | 129 | 177 | 231 | 172 |
| | | Runoff | 131 | 114 | 99 | 107 | 153 | 82 | 90 | 88 | 143 | 110 | 134 | 134 |
| RNS4 | S.Blumai-Tanjung Morawa | Rainfall | 198 | 138 | 219 | 251 | 220 | 122 | 93 | 260 | 243 | 280 | 377 | 357 |
| | | Runoff | 199 | 179 | 142 | 161 | 315 | 130 | 137 | 107 | 152 | 163 | 186 | 170 |
| RWS52 | Bt.Agam-Titi | Rainfall | 327 | 252 | 372 | 364 | 276 | 223 | 177 | 275 | 303 | 402 | 477 | 443 |
| | | Runoff | 112 | 95 | 105 | 113 | 112 | 92 | 71 | 70 | 74 | 83 | 111 | 116 |
| RWS36 | Bt.Bayang-Muara Air | Rainfall | 381 | 269 | 278 | 358 | 326 | 237 | 172 | 246 | 326 | 465 | 453 | 479 |
| | | Runoff | 163 | 138 | 146 | 192 | 183 | 124 | 110 | 108 | 116 | 146 | 186 | 209 |
| RJ2 | Bt.Tembesi-Muara Inum | Rainfall | 361 | 265 | 282 | 307 | 251 | 214 | 140 | 193 | 234 | 277 | 383 | 327 |
| | | Runoff | 164 | 175 | 179 | 215 | 179 | 115 | 88 | 103 | 150 | 162 | 178 | 238 |
| RSS27 | A.Enim-Dusum Lingga | Rainfall | 377 | 319 | 458 | 312 | 238 | 190 | 107 | 128 | 167 | 295 | 358 | 438 |
| | | Runoff | 238 | 191 | 299 | 282 | 194 | 127 | 104 | 118 | 178 | 146 | 195 | 267 |
| RSS45 | A.Klingi-Lb.Linggau | Rainfall | 344 | 288 | 303 | 266 | 264 | 162 | 137 | 181 | 253 | 273 | 273 | 336 |
| | | Runoff | 230 | 202 | 231 | 243 | 203 | 146 | 123 | 112 | 167 | 163 | 172 | 245 |
| RL5 | W.Sekampung-Jurai | Rainfall | 249 | 257 | 250 | 202 | 168 | 154 | 112 | 122 | 128 | 190 | 216 | 240 |
| | | Runoff | 176 | 174 | 185 | 175 | 156 | 105 | 108 | 105 | 93 | 87 | 127 | 157 |
| RB46 | A.Ketahun-Karang Dopo | Rainfall | 270 | 251 | 190 | 267 | 196 | 135 | 135 | 212 | 254 | 410 | 349 | 299 |
| | | Runoff | 192 | 155 | 177 | 174 | 149 | 112 | 90 | 82 | 101 | 138 | 176 | 195 |
| RWS40 | Bt.Mahat-Lb. Sipopay | Rainfall | 303 | 218 | 296 | 273 | 262 | 127 | 128 | 169 | 235 | 319 | 347 | 365 |
| | | Runoff | 231 | 178 | 279 | 193 | 206 | 93 | 69 | 55 | 80 | 98 | 237 | 205 |
| RWS7 | Bt.Batahan-Silaping | Rainfall | 292 | 192 | 254 | 359 | 274 | 167 | 195 | 255 | 262 | 394 | 396 | 381 |
| | | Runoff | 216 | 196 | 212 | 339 | 227 | 136 | 150 | 153 | 272 | 269 | 328 | 355 |

Source : JICA-FIDP Team calculation based on BTA 155

Table 3.6 River Basin Area and Dependable River Basin Water (1/3)

| River Basin Code | Representative Province | River Basin Area (km ²) | Dependable River Basin Water (mm/month) | | | | | | | | | | | |
|------------------|-------------------------|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 1010 | D.I.Aceh | 4,051 | 60 | 32 | 33 | 47 | 30 | 9 | 8 | 15 | 27 | 54 | 84 | 69 |
| 1020 | D.I.Aceh | 2,789 | 81 | 39 | 48 | 48 | 27 | 9 | 8 | 17 | 27 | 57 | 90 | 81 |
| 1030 | D.I.Aceh | 5,993 | 71 | 27 | 46 | 50 | 54 | 16 | 12 | 26 | 51 | 76 | 74 | 79 |
| 1040 | D.I.Aceh | 7,086 | 77 | 22 | 35 | 39 | 49 | 24 | 25 | 34 | 64 | 77 | 87 | 103 |
| 1050 | D.I.Aceh | 6,787 | 77 | 18 | 40 | 61 | 82 | 53 | 56 | 80 | 109 | 143 | 118 | 105 |
| 1060 | D.I.Aceh | 7,169 | 115 | 71 | 146 | 171 | 109 | 69 | 66 | 108 | 103 | 149 | 198 | 120 |
| 1071 | D.I.Aceh | 11,223 | 85 | 63 | 117 | 135 | 85 | 61 | 54 | 92 | 94 | 131 | 150 | 102 |
| 1072 | D.I.Aceh | 2,057 | 70 | 53 | 90 | 97 | 77 | 72 | 79 | 114 | 100 | 131 | 152 | 107 |
| 1080 | Sumatera Utara | 16,077 | 73 | 54 | 100 | 123 | 82 | 41 | 50 | 71 | 82 | 118 | 134 | 105 |
| 1090 | Sumatera Utara | 7,712 | 59 | 12 | 28 | 45 | 89 | 51 | 42 | 74 | 95 | 128 | 89 | 94 |
| 1100 | Sumatera Utara | 6,765 | 53 | 26 | 39 | 56 | 77 | 55 | 55 | 74 | 98 | 126 | 95 | 69 |
| 1110 | Sumatera Utara | 3,382 | 59 | 29 | 48 | 60 | 71 | 49 | 58 | 81 | 103 | 143 | 96 | 70 |
| 1121 | Sumatera Utara | 1,142 | 51 | 32 | 61 | 68 | 59 | 24 | 25 | 46 | 72 | 100 | 97 | 72 |
| 1122 | Sumatera Utara | 6,118 | 51 | 32 | 61 | 68 | 59 | 24 | 25 | 46 | 72 | 100 | 97 | 72 |
| 1131 | Sumatera Utara | 8,433 | 70 | 30 | 46 | 63 | 68 | 43 | 51 | 68 | 105 | 139 | 112 | 79 |
| 1132 | Sumatera Utara | 9,091 | 110 | 66 | 95 | 86 | 60 | 22 | 12 | 48 | 64 | 99 | 112 | 112 |
| 1141 | Sumatera Utara | 15,055 | 93 | 78 | 115 | 130 | 82 | 48 | 53 | 87 | 102 | 146 | 157 | 134 |
| 1142 | Sumatera Utara | 5,300 | 89 | 69 | 102 | 132 | 90 | 84 | 81 | 134 | 135 | 185 | 197 | 148 |
| 1150 | Riau | 22,704 | 107 | 61 | 94 | 90 | 62 | 41 | 22 | 55 | 74 | 122 | 125 | 132 |
| 1161 | Riau | 17,474 | 74 | 59 | 89 | 89 | 69 | 35 | 35 | 58 | 79 | 112 | 109 | 93 |
| 1162 | Riau | 6,034 | 63 | 39 | 81 | 98 | 76 | 38 | 34 | 54 | 62 | 97 | 123 | 107 |
| 1171 | Riau | 31,232 | 112 | 76 | 104 | 99 | 86 | 42 | 38 | 55 | 75 | 110 | 134 | 133 |
| 1172 | Riau | 3,743 | 89 | 38 | 59 | 81 | 78 | 59 | 59 | 61 | 61 | 91 | 106 | 94 |
| 1181 | Riau | 31,594 | 102 | 76 | 100 | 106 | 69 | 31 | 24 | 46 | 72 | 106 | 115 | 122 |
| 1182 | Riau | 4,230 | 82 | 39 | 81 | 93 | 93 | 65 | 64 | 74 | 68 | 94 | 108 | 121 |
| 1191 | Sumatera Barat | 7,649 | 155 | 109 | 130 | 148 | 118 | 83 | 76 | 112 | 157 | 205 | 210 | 202 |
| 1192 | Sumatera Barat | 1,501 | 130 | 126 | 131 | 149 | 112 | 92 | 97 | 178 | 136 | 195 | 217 | 208 |
| 1201 | Sumatera Barat | 8,914 | 99 | 78 | 122 | 153 | 96 | 58 | 61 | 97 | 123 | 164 | 177 | 162 |
| 1202 | Sumatera Barat | 3,854 | 100 | 61 | 89 | 116 | 85 | 91 | 75 | 102 | 122 | 149 | 160 | 143 |
| 1210 | Jambi | 44,554 | 121 | 97 | 112 | 109 | 76 | 45 | 37 | 49 | 63 | 93 | 113 | 136 |
| 1220 | Sumatera Selatan | 10,619 | 121 | 97 | 112 | 109 | 76 | 45 | 37 | 49 | 63 | 93 | 113 | 136 |
| 1230 | Sumatera Selatan | 16,727 | 141 | 71 | 90 | 96 | 90 | 59 | 48 | 35 | 38 | 75 | 115 | 162 |
| 1241 | Sumatera Selatan | 58,457 | 141 | 110 | 128 | 110 | 71 | 37 | 28 | 45 | 44 | 77 | 111 | 139 |
| 1242 | Sumatera Selatan | 18,777 | 97 | 68 | 119 | 96 | 87 | 42 | 25 | 37 | 37 | 82 | 97 | 140 |
| 1250 | Lampung | 16,610 | 131 | 106 | 118 | 97 | 57 | 30 | 20 | 14 | 27 | 38 | 84 | 131 |
| 1261 | Lampung | 8,631 | 140 | 102 | 106 | 65 | 44 | 35 | 24 | 15 | 19 | 33 | 89 | 131 |
| 1262 | Lampung | 5,627 | 115 | 101 | 102 | 84 | 53 | 40 | 24 | 17 | 22 | 48 | 73 | 110 |
| 1270 | Lampung | 7,060 | 87 | 77 | 71 | 82 | 61 | 47 | 50 | 63 | 77 | 141 | 121 | 99 |
| 1280 | Bengkulu | 7,986 | 131 | 105 | 120 | 125 | 77 | 63 | 54 | 75 | 103 | 149 | 180 | 157 |
| 1290 | Bengkulu | 6,475 | 149 | 126 | 142 | 151 | 112 | 70 | 61 | 94 | 128 | 186 | 182 | 176 |
| 1300 | Bengkulu | 5,062 | 115 | 77 | 95 | 102 | 80 | 49 | 53 | 79 | 118 | 179 | 157 | 159 |
| | Sumatera | | | | | | | | | | | | | |

Table 3.6 River Basin Area and Dependable River Basin Water (2/3)

| River Basin Code | Representative Province | River Basin Area (km ²) | Dependable River Basin Water (mm/month) | | | | | | | | | | | |
|------------------|-------------------------|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2011 | Jawa Barat | 2,474 | 177 | 133 | 133 | 100 | 83 | 40 | 32 | 29 | 41 | 82 | 115 | 156 |
| 2012 | Jawa Barat | 2,499 | 144 | 126 | 127 | 132 | 100 | 61 | 48 | 55 | 58 | 91 | 100 | 117 |
| 2020 | DKI Jakarta | 4,012 | 146 | 126 | 98 | 79 | 69 | 34 | 22 | 21 | 36 | 61 | 75 | 82 |
| 2030 | Jawa Barat | 10,121 | 176 | 142 | 165 | 135 | 89 | 50 | 38 | 30 | 40 | 121 | 188 | 187 |
| 2041 | Jawa Barat | 4,073 | 169 | 143 | 128 | 91 | 66 | 25 | 11 | 8 | 8 | 38 | 91 | 122 |
| 2042 | Jawa Barat | 7,994 | 110 | 94 | 115 | 97 | 64 | 19 | 11 | 9 | 22 | 61 | 110 | 116 |
| 2051 | Jawa Barat | 4,341 | 118 | 95 | 116 | 95 | 81 | 54 | 56 | 33 | 56 | 145 | 164 | 139 |
| 2052 | Jawa Barat | 2,573 | 72 | 64 | 81 | 112 | 143 | 139 | 156 | 98 | 97 | 226 | 206 | 120 |
| 2060 | Jawa Barat | 6,510 | 204 | 171 | 178 | 102 | 63 | 19 | 8 | 8 | 8 | 27 | 89 | 159 |
| 2070 | Jawa Tengah | 5,226 | 163 | 138 | 157 | 103 | 77 | 36 | 31 | 12 | 21 | 76 | 120 | 152 |
| 2080 | Jawa Tengah | 4,936 | 231 | 187 | 144 | 79 | 60 | 25 | 13 | 8 | 8 | 35 | 70 | 134 |
| 2091 | Jawa Tengah | 3,769 | 185 | 152 | 188 | 148 | 107 | 41 | 38 | 25 | 44 | 123 | 190 | 203 |
| 2092 | Jawa Tengah | 3,681 | 152 | 125 | 138 | 89 | 56 | 32 | 20 | 8 | 8 | 90 | 148 | 148 |
| 2101 | Jawa Tengah | 3,113 | 161 | 121 | 114 | 80 | 54 | 15 | 8 | 8 | 8 | 33 | 67 | 109 |
| 2102 | Jawa Tengah | 3,794 | 124 | 97 | 96 | 55 | 32 | 8 | 8 | 8 | 8 | 35 | 71 | 113 |
| 2103 | Jawa Tengah | 3,558 | 182 | 130 | 99 | 55 | 36 | 15 | 8 | 8 | 8 | 18 | 54 | 97 |
| 2111 | Jawa Tengah | 2,762 | 157 | 136 | 149 | 92 | 56 | 17 | 8 | 8 | 8 | 43 | 98 | 140 |
| 2112 | Yogyakarta | 2,622 | 148 | 140 | 124 | 55 | 29 | 8 | 8 | 8 | 8 | 21 | 71 | 118 |
| 2121 | Jawa Tengah | 10,010 | 146 | 136 | 143 | 90 | 52 | 12 | 8 | 8 | 8 | 30 | 91 | 123 |
| 2122 | Jawa Tengah | 7,989 | 115 | 103 | 115 | 55 | 29 | 8 | 8 | 8 | 8 | 17 | 59 | 101 |
| 2123 | Jawa Timur | 1,607 | 122 | 107 | 100 | 46 | 53 | 14 | 31 | 8 | 17 | 79 | 110 | 129 |
| 2131 | Jawa Timur | 6,275 | 154 | 140 | 133 | 69 | 40 | 8 | 8 | 8 | 8 | 10 | 53 | 108 |
| 2132 | Jawa Timur | 5,830 | 151 | 138 | 143 | 96 | 66 | 21 | 11 | 8 | 8 | 50 | 113 | 154 |
| 2133 | Jawa Timur | 3,073 | 130 | 95 | 104 | 69 | 50 | 45 | 42 | 12 | 13 | 81 | 104 | 126 |
| 2141 | Jawa Timur | 4,759 | 150 | 133 | 113 | 53 | 32 | 8 | 8 | 8 | 8 | 8 | 50 | 101 |
| 2142 | Jawa Timur | 5,142 | 148 | 126 | 132 | 81 | 56 | 22 | 16 | 8 | 12 | 59 | 115 | 151 |
| 2143 | Jawa Timur | 5,068 | 119 | 117 | 113 | 46 | 48 | 33 | 30 | 8 | 8 | 27 | 54 | 101 |
| 2150 | Jawa Timur | 5,669 | 108 | 82 | 87 | 60 | 37 | 9 | 8 | 8 | 8 | 8 | 38 | 86 |
| Jawa | | | | | | | | | | | | | | |
| 3011 | Bali | 1,505 | 135 | 122 | 102 | 41 | 18 | 8 | 8 | 8 | 8 | 8 | 28 | 84 |
| 3012 | Bali | 4,184 | 133 | 109 | 83 | 34 | 28 | 27 | 38 | 8 | 9 | 42 | 69 | 112 |
| 3020 | Nusa Tenggara Barat | 4,515 | 116 | 92 | 77 | 23 | 14 | 8 | 8 | 8 | 8 | 8 | 38 | 89 |
| 3030 | Nusa Tenggara Barat | 15,241 | 108 | 95 | 77 | 27 | 8 | 8 | 8 | 8 | 8 | 8 | 34 | 89 |
| 3040 | Nusa Tenggara Timur | 10,836 | 125 | 110 | 98 | 54 | 23 | 8 | 8 | 8 | 8 | 14 | 46 | 101 |
| 3050 | Nusa Tenggara Timur | 14,931 | 124 | 104 | 89 | 45 | 17 | 8 | 8 | 8 | 8 | 10 | 46 | 100 |
| 3060 | Nusa Tenggara Timur | 20,200 | 95 | 90 | 65 | 20 | 13 | 8 | 8 | 8 | 8 | 8 | 21 | 71 |
| 3070 | Timor Timur | 15,065 | 111 | 108 | 90 | 50 | 60 | 32 | 8 | 8 | 8 | 8 | 41 | 92 |
| Bali & NT | | | | | | | | | | | | | | |
| 4010 | Kalimantan Selatan | 16,219 | 103 | 96 | 109 | 76 | 77 | 87 | 74 | 43 | 35 | 25 | 47 | 77 |
| 4021 | Kalimantan Tengah | 42,709 | 129 | 110 | 133 | 140 | 105 | 71 | 45 | 49 | 58 | 90 | 130 | 148 |
| 4022 | Kalimantan Selatan | 37,827 | 131 | 113 | 121 | 88 | 65 | 42 | 27 | 17 | 20 | 42 | 86 | 131 |
| 4030 | Kalimantan Tengah | 17,303 | 130 | 108 | 115 | 128 | 116 | 99 | 57 | 50 | 102 | 90 | 149 | 142 |
| 4040 | Kalimantan Tengah | 23,626 | 87 | 92 | 97 | 105 | 85 | 64 | 41 | 33 | 59 | 92 | 92 | 133 |
| 4050 | Kalimantan Tengah | 16,169 | 92 | 90 | 123 | 115 | 80 | 68 | 44 | 49 | 61 | 81 | 100 | 100 |
| 4061 | Kalimantan Tengah | 15,571 | 86 | 82 | 99 | 98 | 94 | 73 | 49 | 36 | 43 | 79 | 91 | 105 |
| 4062 | Kalimantan Tengah | 25,429 | 86 | 82 | 99 | 98 | 94 | 73 | 49 | 36 | 43 | 79 | 91 | 105 |
| 4070 | Kalimantan Barat | 33,641 | 117 | 86 | 101 | 115 | 102 | 71 | 46 | 44 | 66 | 113 | 141 | 137 |
| 4080 | Kalimantan Barat | 95,557 | 128 | 104 | 117 | 117 | 100 | 73 | 58 | 70 | 98 | 131 | 147 | 130 |
| 4090 | Kalimantan Barat | 14,145 | 125 | 69 | 58 | 66 | 71 | 53 | 42 | 53 | 68 | 112 | 138 | 138 |
| 4100 | Kalimantan Timur | 31,568 | 64 | 58 | 76 | 95 | 115 | 105 | 102 | 115 | 112 | 99 | 133 | 92 |
| 4110 | Kalimantan Timur | 33,005 | 104 | 93 | 107 | 105 | 102 | 78 | 77 | 87 | 103 | 111 | 127 | 104 |
| 4120 | Kalimantan Timur | 19,115 | 76 | 64 | 57 | 58 | 55 | 27 | 36 | 32 | 40 | 47 | 80 | 78 |
| 4130 | Kalimantan Timur | 20,315 | 56 | 48 | 65 | 63 | 59 | 48 | 29 | 42 | 37 | 43 | 59 | 81 |
| 4141 | Kalimantan Timur | 77,510 | 87 | 77 | 96 | 108 | 92 | 63 | 43 | 38 | 47 | 66 | 96 | 107 |
| 4142 | Kalimantan Timur | 15,131 | 76 | 59 | 86 | 74 | 74 | 63 | 55 | 46 | 37 | 24 | 58 | 81 |
| Kalimantan | | | | | | | | | | | | | | |

Table 3.6 River Basin Area and Dependable River Basin Water (3/3)

| River Basin Code | Representative Province | River Basin Area (km ²) | Dependable River Basin Water (mm/month) | | | | | | | | | | | |
|------------------|-------------------------|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 5011 | Sulawesi Utara | 3,697 | 144 | 110 | 97 | 95 | 92 | 70 | 50 | 34 | 36 | 54 | 97 | 124 |
| 5012 | Sulawesi Utara | 2,281 | 139 | 106 | 107 | 90 | 78 | 57 | 44 | 28 | 34 | 47 | 89 | 115 |
| 5013 | Sulawesi Utara | 6,340 | 111 | 77 | 77 | 86 | 92 | 99 | 79 | 52 | 43 | 51 | 92 | 98 |
| 5021 | Sulawesi Utara | 3,253 | 151 | 117 | 89 | 80 | 95 | 72 | 45 | 31 | 33 | 71 | 99 | 107 |
| 5022 | Sulawesi Utara | 3,710 | 38 | 34 | 38 | 46 | 39 | 38 | 25 | 15 | 8 | 15 | 33 | 43 |
| 5031 | Sulawesi Utara | 1,044 | 151 | 117 | 89 | 80 | 95 | 72 | 45 | 31 | 33 | 71 | 99 | 107 |
| 5032 | Sulawesi Utara | 6,508 | 38 | 34 | 38 | 46 | 39 | 38 | 25 | 15 | 8 | 15 | 33 | 43 |
| 5041 | Sulawesi Tengah | 9,070 | 108 | 87 | 73 | 58 | 57 | 61 | 44 | 37 | 33 | 34 | 74 | 90 |
| 5042 | Sulawesi Tengah | 4,156 | 8 | 8 | 14 | 33 | 50 | 60 | 56 | 37 | 20 | 8 | 13 | 8 |
| 5050 | Sulawesi Tengah | 9,700 | 51 | 61 | 80 | 132 | 120 | 88 | 58 | 38 | 36 | 46 | 65 | 61 |
| 5061 | Sulawesi Tengah | 3,467 | 72 | 53 | 77 | 100 | 138 | 128 | 141 | 139 | 82 | 44 | 48 | 55 |
| 5062 | Sulawesi Tengah | 5,536 | 72 | 53 | 77 | 100 | 138 | 128 | 141 | 139 | 82 | 44 | 48 | 55 |
| 5070 | Sulawesi Tengah | 7,809 | 16 | 20 | 38 | 51 | 82 | 128 | 113 | 52 | 28 | 9 | 8 | 24 |
| 5080 | Sulawesi Tengah | 9,463 | 99 | 97 | 123 | 144 | 123 | 103 | 86 | 64 | 27 | 25 | 63 | 94 |
| 5091 | Sulawesi Tengah | 8,518 | 45 | 37 | 44 | 52 | 50 | 41 | 32 | 29 | 28 | 24 | 37 | 40 |
| 5092 | Sulawesi Tengah | 6,317 | 45 | 37 | 44 | 52 | 50 | 41 | 32 | 29 | 28 | 24 | 37 | 40 |
| 5101 | Sulawesi Tenggara | 7,358 | 48 | 53 | 59 | 64 | 92 | 73 | 54 | 30 | 13 | 8 | 30 | 34 |
| 5102 | Sulawesi Tenggara | 7,426 | 48 | 53 | 59 | 64 | 92 | 73 | 54 | 30 | 13 | 8 | 30 | 34 |
| 5111 | Sulawesi Tenggara | 6,552 | 68 | 69 | 79 | 60 | 89 | 92 | 51 | 14 | 9 | 8 | 16 | 50 |
| 5112 | Sulawesi Tenggara | 9,434 | 71 | 72 | 68 | 69 | 82 | 66 | 27 | 8 | 8 | 8 | 18 | 63 |
| 5120 | Sulawesi Tenggara | 6,217 | 79 | 77 | 100 | 107 | 117 | 74 | 56 | 37 | 25 | 33 | 45 | 53 |
| 5131 | Sulawesi Selatan | 3,419 | 88 | 95 | 125 | 146 | 115 | 79 | 46 | 30 | 35 | 42 | 89 | 94 |
| 5132 | Sulawesi Selatan | 5,669 | 88 | 95 | 125 | 146 | 115 | 79 | 46 | 30 | 35 | 42 | 89 | 94 |
| 5133 | Sulawesi Selatan | 3,285 | 93 | 53 | 56 | 63 | 67 | 59 | 28 | 19 | 27 | 44 | 72 | 90 |
| 5141 | Sulawesi Selatan | 2,895 | 116 | 125 | 149 | 157 | 137 | 102 | 55 | 29 | 22 | 43 | 100 | 130 |
| 5142 | Sulawesi Selatan | 2,703 | 132 | 122 | 157 | 170 | 164 | 139 | 87 | 72 | 48 | 45 | 69 | 135 |
| 5143 | Sulawesi Selatan | 3,451 | 107 | 103 | 144 | 155 | 139 | 102 | 79 | 59 | 36 | 33 | 71 | 97 |
| 5144 | Sulawesi Selatan | 4,025 | 94 | 88 | 136 | 152 | 123 | 99 | 73 | 46 | 40 | 32 | 72 | 82 |
| 5151 | Sulawesi Selatan | 2,722 | 58 | 49 | 61 | 93 | 87 | 59 | 40 | 24 | 37 | 50 | 52 | 64 |
| 5152 | Sulawesi Selatan | 6,261 | 82 | 92 | 120 | 140 | 107 | 71 | 43 | 20 | 20 | 41 | 79 | 102 |
| 5153 | Sulawesi Selatan | 3,253 | 239 | 166 | 144 | 92 | 61 | 23 | 8 | 8 | 8 | 25 | 103 | 221 |
| 5161 | Sulawesi Selatan | 3,917 | 24 | 12 | 43 | 92 | 179 | 142 | 114 | 66 | 73 | 45 | 30 | 20 |
| 5162 | Sulawesi Selatan | 7,256 | 48 | 40 | 53 | 81 | 112 | 81 | 48 | 18 | 8 | 18 | 38 | 42 |
| 5171 | Sulawesi Selatan | 3,743 | 256 | 176 | 136 | 77 | 52 | 27 | 8 | 8 | 8 | 8 | 72 | 192 |
| 5172 | Sulawesi Selatan | 6,198 | 54 | 52 | 71 | 113 | 178 | 147 | 78 | 21 | 8 | 8 | 25 | 58 |
| | Sulawesi | | | | | | | | | | | | | |
| 6010 | Maluku | 18,443 | 112 | 83 | 80 | 79 | 84 | 46 | 10 | 8 | 8 | 8 | 18 | 87 |
| 6020 | Maluku | 27,743 | 46 | 41 | 54 | 83 | 136 | 157 | 157 | 109 | 63 | 30 | 23 | 45 |
| 6030 | Maluku | 31,747 | 59 | 51 | 55 | 77 | 96 | 90 | 74 | 56 | 46 | 38 | 53 | 64 |
| 7010 | Irian Jaya | 103,293 | 101 | 98 | 108 | 104 | 108 | 96 | 82 | 79 | 75 | 64 | 66 | 91 |
| 7020 | Irian Jaya | 138,877 | 103 | 102 | 113 | 91 | 81 | 72 | 70 | 74 | 74 | 71 | 75 | 91 |
| 7030 | Irian Jaya | 97,396 | 77 | 83 | 98 | 96 | 102 | 115 | 117 | 118 | 97 | 63 | 64 | 73 |
| 7040 | Irian Jaya | 75,705 | 119 | 112 | 135 | 101 | 86 | 50 | 45 | 45 | 52 | 58 | 72 | 119 |
| | Maluku & IJ | | | | | | | | | | | | | |

Source : JICA-FIDP Team Calculation

Table 3.7 Estimated Dependable River Basins Discharge (1/3)

(Unit '000,000 m3)

| River Basin Code | Representative Province | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1010 | D.I.Aceh | 243 | 130 | 134 | 190 | 122 | 37 | 32 | 61 | 109 | 219 | 340 | 280 | 1,896 |
| 1020 | D.I.Aceh | 226 | 109 | 134 | 134 | 75 | 25 | 22 | 47 | 75 | 159 | 251 | 226 | 1,484 |
| 1030 | D.I.Aceh | 426 | 162 | 276 | 300 | 324 | 96 | 72 | 156 | 306 | 456 | 444 | 473 | 3,488 |
| 1040 | D.I.Aceh | 546 | 156 | 248 | 276 | 347 | 170 | 177 | 241 | 454 | 546 | 617 | 730 | 4,507 |
| 1050 | D.I.Aceh | 523 | 122 | 272 | 414 | 557 | 360 | 380 | 543 | 740 | 971 | 801 | 713 | 6,393 |
| 1060 | D.I.Aceh | 824 | 509 | 1,047 | 1,226 | 781 | 495 | 473 | 774 | 738 | 1,068 | 1,420 | 860 | 10,216 |
| 1071 | D.I.Aceh | 954 | 707 | 1,313 | 1,515 | 954 | 685 | 606 | 1,033 | 1,055 | 1,470 | 1,684 | 1,145 | 13,120 |
| 1072 | D.I.Aceh | 143 | 108 | 183 | 198 | 157 | 147 | 161 | 232 | 204 | 267 | 310 | 218 | 2,326 |
| 1080 | Sumatera Utara | 1,174 | 868 | 1,608 | 1,978 | 1,318 | 659 | 804 | 1,142 | 1,318 | 1,897 | 2,154 | 1,688 | 16,608 |
| 1090 | Sumatera Utara | 455 | 93 | 216 | 347 | 686 | 393 | 324 | 571 | 733 | 987 | 686 | 725 | 6,216 |
| 1100 | Sumatera Utara | 359 | 176 | 264 | 379 | 521 | 372 | 372 | 501 | 663 | 852 | 643 | 467 | 5,568 |
| 1110 | Sumatera Utara | 200 | 98 | 162 | 203 | 240 | 166 | 196 | 274 | 348 | 484 | 325 | 237 | 2,932 |
| 1121 | Sumatera Utara | 58 | 37 | 70 | 78 | 67 | 27 | 29 | 53 | 82 | 114 | 111 | 82 | 807 |
| 1122 | Sumatera Utara | 312 | 196 | 373 | 416 | 361 | 147 | 153 | 281 | 441 | 612 | 593 | 441 | 4,325 |
| 1131 | Sumatera Utara | 590 | 253 | 388 | 531 | 573 | 363 | 430 | 573 | 886 | 1,172 | 945 | 666 | 7,370 |
| 1132 | Sumatera Utara | 1,000 | 600 | 864 | 782 | 546 | 200 | 109 | 436 | 582 | 900 | 1,018 | 1,018 | 8,055 |
| 1141 | Sumatera Utara | 1,400 | 1,174 | 1,731 | 1,957 | 1,235 | 723 | 798 | 1,310 | 1,536 | 2,198 | 2,364 | 2,017 | 18,442 |
| 1142 | Sumatera Utara | 472 | 366 | 541 | 700 | 477 | 445 | 429 | 710 | 716 | 981 | 1,044 | 784 | 7,664 |
| 1150 | Riau | 2,429 | 1,385 | 2,134 | 2,043 | 1,408 | 931 | 500 | 1,249 | 1,680 | 2,770 | 2,838 | 2,997 | 22,363 |
| 1161 | Riau | 1,293 | 1,031 | 1,555 | 1,555 | 1,206 | 612 | 612 | 1,014 | 1,380 | 1,957 | 1,905 | 1,625 | 15,744 |
| 1162 | Riau | 380 | 235 | 489 | 591 | 459 | 229 | 205 | 326 | 374 | 585 | 742 | 646 | 5,262 |
| 1171 | Riau | 3,498 | 2,374 | 3,248 | 3,092 | 2,686 | 1,312 | 1,187 | 1,718 | 2,342 | 3,436 | 4,185 | 4,154 | 33,231 |
| 1172 | Riau | 333 | 142 | 221 | 303 | 292 | 221 | 221 | 228 | 228 | 341 | 397 | 352 | 3,279 |
| 1181 | Riau | 3,223 | 2,401 | 3,159 | 3,349 | 2,180 | 979 | 758 | 1,453 | 2,275 | 3,349 | 3,633 | 3,855 | 30,615 |
| 1182 | Riau | 347 | 165 | 343 | 393 | 393 | 275 | 271 | 313 | 288 | 398 | 457 | 512 | 4,154 |
| 1191 | Sumatera Barat | 1,186 | 834 | 994 | 1,132 | 903 | 635 | 581 | 857 | 1,201 | 1,568 | 1,606 | 1,545 | 13,042 |
| 1192 | Sumatera Barat | 195 | 189 | 197 | 224 | 168 | 138 | 146 | 267 | 204 | 293 | 326 | 312 | 2,658 |
| 1201 | Sumatera Barat | 883 | 695 | 1,088 | 1,364 | 856 | 517 | 544 | 865 | 1,096 | 1,462 | 1,578 | 1,444 | 12,391 |
| 1202 | Sumatera Barat | 385 | 235 | 343 | 447 | 328 | 351 | 289 | 393 | 470 | 574 | 617 | 551 | 4,983 |
| 1210 | Jambi | 5,391 | 4,322 | 4,990 | 4,856 | 3,386 | 2,005 | 1,649 | 2,183 | 2,807 | 4,144 | 5,035 | 6,059 | 46,826 |
| 1220 | Sumatera Selatan | 1,285 | 1,030 | 1,189 | 1,158 | 807 | 478 | 393 | 520 | 669 | 988 | 1,200 | 1,444 | 11,161 |
| 1230 | Sumatera Selatan | 2,359 | 1,188 | 1,505 | 1,606 | 1,505 | 987 | 803 | 585 | 636 | 1,255 | 1,924 | 2,710 | 17,061 |
| 1241 | Sumatera Selatan | 8,242 | 6,430 | 7,483 | 6,430 | 4,150 | 2,163 | 1,637 | 2,631 | 2,572 | 4,501 | 6,489 | 8,126 | 60,854 |
| 1242 | Sumatera Selatan | 1,821 | 1,277 | 2,235 | 1,803 | 1,634 | 789 | 469 | 695 | 695 | 1,540 | 1,821 | 2,629 | 17,406 |
| 1250 | Lampung | 2,176 | 1,761 | 1,960 | 1,611 | 947 | 498 | 332 | 233 | 449 | 631 | 1,395 | 2,176 | 14,168 |
| 1261 | Lampung | 1,208 | 880 | 915 | 561 | 380 | 302 | 207 | 130 | 164 | 285 | 768 | 1,131 | 6,931 |
| 1262 | Lampung | 647 | 568 | 574 | 473 | 298 | 225 | 135 | 96 | 124 | 270 | 411 | 619 | 4,440 |
| 1270 | Lampung | 614 | 544 | 501 | 579 | 431 | 332 | 353 | 445 | 544 | 996 | 854 | 699 | 6,891 |
| 1280 | Bengkulu | 1,046 | 839 | 958 | 998 | 615 | 503 | 431 | 599 | 823 | 1,190 | 1,438 | 1,254 | 10,693 |
| 1290 | Bengkulu | 965 | 816 | 920 | 978 | 725 | 453 | 395 | 609 | 829 | 1,204 | 1,179 | 1,140 | 10,211 |
| 1300 | Bengkulu | 582 | 390 | 481 | 516 | 405 | 248 | 268 | 400 | 597 | 906 | 795 | 805 | 6,393 |
| | Sumatera | | | | | | | | | | | | Total | 482,173 |

Table 3.7 Estimated Dependable River Basins Discharge (2/3)

(Unit '000,000 m3)

| River Basin Code | Representative Province | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|------------------|-------------------------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|---------------|
| 2011 | Jawa Barat | 438 | 329 | 329 | 247 | 205 | 99 | 79 | 72 | 101 | 203 | 285 | 386 | 2,773 |
| 2012 | Jawa Barat | 360 | 315 | 317 | 330 | 250 | 152 | 120 | 137 | 145 | 227 | 250 | 292 | 2,896 |
| 2020 | DKI.Jakarta | 586 | 506 | 393 | 317 | 277 | 136 | 88 | 84 | 144 | 245 | 301 | 329 | 3,406 |
| 2030 | Jawa Barat | 1,781 | 1,437 | 1,670 | 1,366 | 901 | 506 | 385 | 304 | 405 | 1,225 | 1,903 | 1,893 | 13,775 |
| 2041 | Jawa Barat | 688 | 582 | 521 | 371 | 269 | 102 | 45 | 33 | 33 | 155 | 371 | 497 | 3,666 |
| 2042 | Jawa Barat | 879 | 751 | 919 | 775 | 512 | 152 | 88 | 72 | 176 | 488 | 879 | 927 | 6,619 |
| 2051 | Jawa Barat | 512 | 412 | 504 | 412 | 352 | 234 | 243 | 143 | 243 | 629 | 712 | 603 | 5,001 |
| 2052 | Jawa Barat | 185 | 165 | 208 | 288 | 368 | 358 | 401 | 252 | 250 | 582 | 530 | 309 | 3,896 |
| 2060 | Jawa Barat | 1,328 | 1,113 | 1,159 | 664 | 410 | 124 | 52 | 52 | 52 | 176 | 579 | 1,035 | 6,744 |
| 2070 | Jawa Tengah | 852 | 721 | 821 | 538 | 402 | 188 | 162 | 63 | 110 | 397 | 627 | 794 | 5,675 |
| 2080 | Jawa Tengah | 1,140 | 923 | 711 | 390 | 296 | 123 | 64 | 40 | 40 | 173 | 346 | 661 | 4,906 |
| 2091 | Jawa Tengah | 697 | 573 | 709 | 558 | 403 | 155 | 143 | 94 | 166 | 464 | 716 | 765 | 5,442 |
| 2092 | Jawa Tengah | 560 | 460 | 508 | 328 | 206 | 118 | 74 | 29 | 29 | 331 | 545 | 545 | 3,732 |
| 2101 | Jawa Tengah | 501 | 377 | 355 | 249 | 168 | 47 | 25 | 25 | 25 | 103 | 209 | 339 | 2,422 |
| 2102 | Jawa Tengah | 471 | 368 | 364 | 209 | 121 | 30 | 30 | 30 | 30 | 133 | 269 | 429 | 2,485 |
| 2103 | Jawa Tengah | 648 | 463 | 352 | 196 | 128 | 53 | 29 | 29 | 29 | 64 | 192 | 345 | 2,526 |
| 2111 | Jawa Tengah | 434 | 376 | 412 | 254 | 155 | 47 | 22 | 22 | 22 | 119 | 271 | 387 | 2,519 |
| 2112 | Yogyakarta | 388 | 367 | 325 | 144 | 76 | 21 | 21 | 21 | 21 | 55 | 186 | 309 | 1,935 |
| 2121 | Jawa Tengah | 1,462 | 1,361 | 1,431 | 901 | 521 | 120 | 80 | 80 | 80 | 300 | 911 | 1,231 | 8,479 |
| 2122 | Jawa Tengah | 919 | 823 | 919 | 439 | 232 | 64 | 64 | 64 | 64 | 136 | 471 | 807 | 5,001 |
| 2123 | Jawa Timur | 196 | 172 | 161 | 74 | 85 | 23 | 50 | 13 | 27 | 127 | 177 | 207 | 1,311 |
| 2131 | Jawa Timur | 966 | 879 | 835 | 433 | 251 | 50 | 50 | 50 | 50 | 63 | 333 | 678 | 4,637 |
| 2132 | Jawa Timur | 880 | 805 | 834 | 560 | 385 | 122 | 64 | 47 | 47 | 292 | 659 | 898 | 5,591 |
| 2133 | Jawa Timur | 400 | 292 | 320 | 212 | 154 | 138 | 129 | 37 | 40 | 249 | 320 | 387 | 2,677 |
| 2141 | Jawa Timur | 714 | 633 | 538 | 252 | 152 | 38 | 38 | 38 | 38 | 38 | 238 | 481 | 3,198 |
| 2142 | Jawa Timur | 761 | 648 | 679 | 417 | 288 | 113 | 82 | 41 | 62 | 303 | 591 | 776 | 4,761 |
| 2143 | Jawa Timur | 603 | 593 | 573 | 233 | 243 | 167 | 152 | 41 | 41 | 137 | 274 | 512 | 3,568 |
| 2150 | Jawa Timur | 612 | 465 | 493 | 340 | 210 | 51 | 45 | 45 | 45 | 45 | 215 | 488 | 3,056 |
| | Jawa | | | | | | | | | | | | | Total 122,699 |
| 3011 | Bali | 203 | 184 | 154 | 62 | 27 | 12 | 12 | 12 | 12 | 12 | 42 | 126 | 858 |
| 3012 | Bali | 557 | 456 | 347 | 142 | 117 | 113 | 159 | 34 | 38 | 176 | 289 | 469 | 2,896 |
| 3020 | Nusa Tenggara Barat | 524 | 415 | 348 | 104 | 63 | 36 | 36 | 36 | 36 | 36 | 172 | 402 | 2,208 |
| 3030 | Nusa Tenggara Barat | 1,646 | 1,448 | 1,174 | 412 | 122 | 122 | 122 | 122 | 122 | 122 | 518 | 1,356 | 7,285 |
| 3040 | Nusa Tenggara Timur | 1,355 | 1,192 | 1,062 | 585 | 249 | 87 | 87 | 87 | 87 | 152 | 499 | 1,094 | 6,534 |
| 3050 | Nusa Tenggara Timur | 1,851 | 1,553 | 1,329 | 672 | 254 | 119 | 119 | 119 | 119 | 149 | 687 | 1,493 | 8,466 |
| 3060 | Nusa Tenggara Timur | 1,919 | 1,818 | 1,313 | 404 | 263 | 162 | 162 | 162 | 162 | 162 | 424 | 1,434 | 8,383 |
| 3070 | Timor Timur | 1,672 | 1,627 | 1,356 | 753 | 904 | 482 | 121 | 121 | 121 | 121 | 618 | 1,386 | 9,280 |
| | Bali & Nusa Tenggara | | | | | | | | | | | | | Total 45,909 |
| 4010 | Kalimantan Selatan | 1,671 | 1,557 | 1,768 | 1,233 | 1,249 | 1,411 | 1,200 | 697 | 568 | 406 | 762 | 1,249 | 13,770 |
| 4021 | Kalimantan Tengah | 5,510 | 4,698 | 5,680 | 5,979 | 4,484 | 3,032 | 1,922 | 2,093 | 2,477 | 3,844 | 5,552 | 6,321 | 51,592 |
| 4022 | Kalimantan Selatan | 4,955 | 4,275 | 4,577 | 3,329 | 2,459 | 1,589 | 1,021 | 643 | 757 | 1,589 | 3,253 | 4,955 | 33,401 |
| 4030 | Kalimantan Tengah | 2,249 | 1,869 | 1,990 | 2,215 | 2,007 | 1,713 | 986 | 865 | 1,765 | 1,557 | 2,578 | 2,457 | 22,252 |
| 4040 | Kalimantan Tengah | 2,056 | 2,174 | 2,292 | 2,481 | 2,008 | 1,512 | 969 | 780 | 1,394 | 2,174 | 2,174 | 3,142 | 23,154 |
| 4050 | Kalimantan Tengah | 1,488 | 1,455 | 1,989 | 1,859 | 1,294 | 1,100 | 711 | 792 | 986 | 1,310 | 1,617 | 1,617 | 16,217 |
| 4061 | Kalimantan Tengah | 1,339 | 1,277 | 1,542 | 1,526 | 1,464 | 1,137 | 763 | 561 | 670 | 1,230 | 1,417 | 1,635 | 14,559 |
| 4062 | Kalimantan Tengah | 2,187 | 2,085 | 2,518 | 2,492 | 2,390 | 1,856 | 1,246 | 915 | 1,093 | 2,009 | 2,314 | 2,670 | 23,776 |
| 4070 | Kalimantan Barat | 3,936 | 2,893 | 3,398 | 3,869 | 3,431 | 2,389 | 1,548 | 1,480 | 2,220 | 3,801 | 4,743 | 4,609 | 38,317 |
| 4080 | Kalimantan Barat | 12,231 | 9,938 | 11,180 | 11,180 | 9,556 | 6,976 | 5,542 | 6,689 | 9,365 | 12,518 | 14,047 | 12,422 | 121,644 |
| 4090 | Kalimantan Barat | 1,768 | 976 | 820 | 934 | 1,004 | 750 | 594 | 750 | 962 | 1,584 | 1,952 | 1,952 | 14,046 |
| 4100 | Kalimantan Timur | 2,020 | 1,831 | 2,399 | 2,999 | 3,630 | 3,315 | 3,220 | 3,630 | 3,536 | 3,125 | 4,199 | 2,904 | 36,808 |
| 4110 | Kalimantan Timur | 3,433 | 3,070 | 3,532 | 3,466 | 3,367 | 2,574 | 2,541 | 2,871 | 3,400 | 3,664 | 4,192 | 3,433 | 39,540 |
| 4120 | Kalimantan Timur | 1,453 | 1,223 | 1,090 | 1,109 | 1,051 | 516 | 688 | 612 | 765 | 898 | 1,529 | 1,491 | 12,425 |
| 4130 | Kalimantan Timur | 1,138 | 975 | 1,321 | 1,280 | 1,199 | 975 | 589 | 853 | 752 | 874 | 1,199 | 1,646 | 12,798 |
| 4141 | Kalimantan Timur | 6,743 | 5,968 | 7,441 | 8,371 | 7,131 | 4,883 | 3,333 | 2,945 | 3,643 | 5,116 | 7,441 | 8,294 | 71,309 |
| 4142 | Kalimantan Timur | 1,150 | 893 | 1,301 | 1,120 | 1,120 | 953 | 832 | 696 | 560 | 363 | 878 | 1,226 | 11,091 |
| | Kalimantan | | | | | | | | | | | | | Total 556,700 |

Table 3.7 Estimated Dependable River Basins Discharge (3/3)

(Unit '000,000 m3)

| River Basin Code | Representative Province | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|------------------|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|---------|
| 5011 | Sulawesi Utara | 532 | 407 | 359 | 351 | 340 | 259 | 185 | 126 | 133 | 200 | 359 | 458 | 3,708 |
| 5012 | Sulawesi Utara | 317 | 242 | 244 | 205 | 178 | 130 | 100 | 64 | 78 | 107 | 203 | 262 | 2,130 |
| 5013 | Sulawesi Utara | 704 | 488 | 488 | 545 | 583 | 628 | 501 | 330 | 273 | 323 | 583 | 621 | 6,067 |
| 5021 | Sulawesi Utara | 491 | 381 | 290 | 260 | 309 | 234 | 146 | 101 | 107 | 231 | 322 | 348 | 3,220 |
| 5022 | Sulawesi Utara | 141 | 126 | 141 | 171 | 145 | 141 | 93 | 56 | 30 | 56 | 122 | 160 | 1,380 |
| 5031 | Sulawesi Utara | 158 | 122 | 93 | 84 | 99 | 75 | 47 | 32 | 34 | 74 | 103 | 112 | 1,034 |
| 5032 | Sulawesi Utara | 247 | 221 | 247 | 299 | 254 | 247 | 163 | 98 | 52 | 98 | 215 | 280 | 2,421 |
| 5041 | Sulawesi Tengah | 980 | 789 | 662 | 526 | 517 | 553 | 399 | 336 | 299 | 308 | 671 | 816 | 6,857 |
| 5042 | Sulawesi Tengah | 33 | 33 | 58 | 137 | 208 | 249 | 233 | 154 | 83 | 33 | 54 | 33 | 1,309 |
| 5050 | Sulawesi Tengah | 495 | 592 | 776 | 1,280 | 1,164 | 854 | 563 | 369 | 349 | 446 | 631 | 592 | 8,109 |
| 5061 | Sulawesi Tengah | 250 | 184 | 267 | 347 | 478 | 444 | 489 | 482 | 284 | 153 | 166 | 191 | 3,734 |
| 5062 | Sulawesi Tengah | 399 | 293 | 426 | 554 | 764 | 709 | 781 | 770 | 454 | 244 | 266 | 305 | 5,962 |
| 5070 | Sulawesi Tengah | 125 | 156 | 297 | 398 | 640 | 1,000 | 882 | 406 | 219 | 70 | 63 | 187 | 4,443 |
| 5080 | Sulawesi Tengah | 937 | 918 | 1,164 | 1,363 | 1,164 | 975 | 814 | 606 | 256 | 237 | 596 | 890 | 9,917 |
| 5091 | Sulawesi Tengah | 383 | 315 | 375 | 443 | 426 | 349 | 273 | 247 | 239 | 204 | 315 | 341 | 3,910 |
| 5092 | Sulawesi Tengah | 284 | 234 | 278 | 329 | 316 | 259 | 202 | 183 | 177 | 152 | 234 | 253 | 2,900 |
| 5101 | Sulawesi Tenggara | 353 | 390 | 434 | 471 | 677 | 537 | 397 | 221 | 96 | 59 | 221 | 250 | 4,106 |
| 5102 | Sulawesi Tenggara | 356 | 394 | 438 | 475 | 683 | 542 | 401 | 223 | 97 | 59 | 223 | 253 | 4,144 |
| 5111 | Sulawesi Tenggara | 446 | 452 | 518 | 393 | 583 | 603 | 334 | 92 | 59 | 52 | 105 | 328 | 3,964 |
| 5112 | Sulawesi Tenggara | 670 | 679 | 642 | 651 | 774 | 623 | 255 | 76 | 76 | 76 | 170 | 594 | 5,283 |
| 5120 | Sulawesi Tenggara | 491 | 479 | 622 | 665 | 727 | 460 | 348 | 230 | 155 | 205 | 280 | 330 | 4,992 |
| 5131 | Sulawesi Selatan | 301 | 325 | 427 | 499 | 393 | 270 | 157 | 103 | 120 | 144 | 304 | 321 | 3,365 |
| 5132 | Sulawesi Selatan | 499 | 539 | 709 | 828 | 652 | 448 | 261 | 170 | 198 | 238 | 505 | 533 | 5,578 |
| 5133 | Sulawesi Selatan | 306 | 174 | 184 | 207 | 220 | 194 | 92 | 62 | 89 | 145 | 237 | 296 | 2,204 |
| 5141 | Sulawesi Selatan | 336 | 362 | 431 | 455 | 397 | 295 | 159 | 84 | 64 | 125 | 290 | 376 | 3,373 |
| 5142 | Sulawesi Selatan | 357 | 330 | 424 | 460 | 443 | 376 | 235 | 195 | 130 | 122 | 187 | 365 | 3,622 |
| 5143 | Sulawesi Selatan | 369 | 356 | 497 | 535 | 480 | 352 | 273 | 204 | 124 | 114 | 245 | 335 | 3,882 |
| 5144 | Sulawesi Selatan | 378 | 354 | 547 | 612 | 495 | 399 | 294 | 185 | 161 | 129 | 290 | 330 | 4,174 |
| 5151 | Sulawesi Selatan | 158 | 133 | 166 | 253 | 237 | 161 | 109 | 65 | 101 | 136 | 142 | 174 | 1,835 |
| 5152 | Sulawesi Selatan | 513 | 576 | 751 | 877 | 670 | 445 | 269 | 125 | 125 | 257 | 495 | 639 | 5,741 |
| 5153 | Sulawesi Selatan | 778 | 540 | 468 | 299 | 198 | 75 | 26 | 26 | 26 | 81 | 335 | 719 | 3,572 |
| 5161 | Sulawesi Selatan | 94 | 47 | 168 | 360 | 701 | 556 | 447 | 259 | 286 | 176 | 118 | 78 | 3,290 |
| 5162 | Sulawesi Selatan | 348 | 290 | 385 | 588 | 813 | 588 | 348 | 131 | 58 | 131 | 276 | 305 | 4,259 |
| 5171 | Sulawesi Selatan | 958 | 659 | 509 | 288 | 195 | 101 | 30 | 30 | 30 | 30 | 270 | 719 | 3,818 |
| 5172 | Sulawesi Selatan | 335 | 322 | 440 | 700 | 1,103 | 911 | 483 | 130 | 50 | 50 | 155 | 360 | 5,039 |
| | Sulawesi | | | | | | | | | | | | Total | 143,343 |
| 6010 | Maluku | 2,066 | 1,531 | 1,475 | 1,457 | 1,549 | 848 | 184 | 148 | 148 | 148 | 332 | 1,605 | 11,490 |
| 6020 | Maluku | 1,276 | 1,138 | 1,498 | 2,303 | 3,773 | 4,356 | 4,356 | 3,024 | 1,748 | 832 | 638 | 1,248 | 26,190 |
| 6030 | Maluku | 1,873 | 1,619 | 1,746 | 2,445 | 3,048 | 2,857 | 2,349 | 1,778 | 1,460 | 1,206 | 1,683 | 2,032 | 24,096 |
| 7010 | Irian Jaya | 10,433 | 10,123 | 11,156 | 10,743 | 11,156 | 9,916 | 8,470 | 8,160 | 7,747 | 6,611 | 6,817 | 9,400 | 110,730 |
| 7020 | Irian Jaya | 14,304 | 14,166 | 15,693 | 12,638 | 11,249 | 9,999 | 9,721 | 10,277 | 10,277 | 9,860 | 10,416 | 12,638 | 141,238 |
| 7030 | Irian Jaya | 7,500 | 8,084 | 9,545 | 9,350 | 9,934 | 11,201 | 11,395 | 11,493 | 9,447 | 6,136 | 6,233 | 7,110 | 107,428 |
| 7040 | Irian Jaya | 9,009 | 8,479 | 10,220 | 7,646 | 6,511 | 3,785 | 3,407 | 3,407 | 3,937 | 4,391 | 5,451 | 9,009 | 75,251 |
| | Maluku & Irian Jaya | | | | | | | | | | | | Total | 496,422 |

Source: JICA-FIDP Team calculation

Table 4.1 Reference Parameters for DMI Water Demand Projection

Parameter of National Water Resources Policy by FAO

| | | Unit : lit/capita/day | | |
|--------------------|-------------|-----------------------|-----------|-----------|
| City Size Category | | 1990-2000 | 2000-2015 | 2015-2020 |
| Urban | > 1,000,000 | 250 | 275 | 280 |
| Urban | < 1,000,000 | 150 | 175 | 180 |
| Rural | | 30 | 38 | 40 |

Source : TA/INS/90/24 (Table-6)

Parameter of DAB Target

| | | Unit : lit/capita/day |
|-----------------------------|--------------------|-----------------------|
| City Size Category | Target REPELITA VI | |
| Urban > 1,000,000 | 260 | |
| 1,000,000 > Urban > 500,000 | 220 | |
| 500,000 > Urban > 100,000 | 190 | |
| 100,000 > Urban > 20,000 | 155 | |
| 20,000 > Urban > 3,000 | 120 | |
| Rural | 45 | |

Notes : Urban Coverage 85%, Rural Coverage 70%.

Source : Directorate of Water Supply (DAB)