**Unit Commitment Schedule (UCS)**

**11-Oct-12**
**Thursday**

**Revised**

| TIME | 0 | 30 | 100 | 130 | 200 | 230 | 300 | 330 | 400 | 430 | 500 | 530 | 600 | 630 | 700 | 730 | 800 | 830 | 900 | 930 | 1000 | 1030 | 1100 | 1130 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LOAD | 12663 | 12279 | 12011 | 11836 | 11632 | 11418 | 11255 | 11104 | 11011 | 10911 | 10880 | 10936 | 11129 | 11364 | 11179 | 11260 | 11640 | 12390 | 13155 | 13678 | 14059 | 14439 | 14783 | 14888 | 317,368 |
| EGATDC | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -720 |
| CUFG | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 960 |
| CUFK | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 842 |
| JMJGU1 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 16,536 |
| JMJGU2 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 16,536 |
| JMJGU3 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 16,536 |
| PKLGU3 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 6,240 |
| PKLGU5 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 7,920 |
| PKLGU6 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 11,040 |
| TBINU1 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 695 | 693 | 697 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 16,770 |
| TBINU2 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 695 | 693 | 697 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 16,770 |
| JMAHU1 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 695 | 693 | 697 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 16,770 |
| JMAHU2 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 695 | 693 | 697 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 16,770 |
| **PGPSU2(mfo)** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **1,680** |
| **PKLGU1(mfo)** | **140** | **180** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **5,550** |
| **PKLGU2(mfo)** | **140** | **179** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **140** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **5,550** |
| CBPSBK1B | 139 | 139 | 139 | 136 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 3,300 |
| GLGRBK1B | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 3,624 |
| KLPPGT13 | 219 | 219 | 219 | 219 | 219 | 213 | 198 | 192 | 183 | 179 | 178 | 180 | 193 | 206 | 195 | 198 | 209 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 5,104 |
| KLPPGT14 | 219 | 219 | 219 | 219 | 219 | 212 | 198 | 192 | 183 | 179 | 178 | 180 | 193 | 205 | 195 | 198 | 209 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 5,103 |
| MPSSGT1 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 154 | 128 | 120 | 132 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 3,809 |
| MPSSGT2 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 154 | 127 | 120 | 132 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 3,809 |
| PAKABK1A | 113 | 123 | 110 | 102 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 102 | 105 | 108 | 113 | 113 | 114 | 114 | 2,591 |
| PAKABK1B | 113 | 120 | 110 | 102 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 102 | 105 | 108 | 113 | 113 | 114 | 114 | 2,589 |
| PAKABK2A | 112 | 120 | 110 | 102 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 102 | 105 | 108 | 113 | 113 | 114 | 114 | 2,588 |
| PAKABK2B | 112 | 120 | 110 | 102 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 102 | 105 | 108 | 113 | 113 | 114 | 114 | 2,588 |
| PAKABK4A | 116 | 125 | 113 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 108 | 112 | 117 | 117 | 119 | 118 | 2,688 |
| PAKABK4B | 116 | 125 | 113 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 108 | 111 | 117 | 117 | 119 | 118 | 2,687 |
| PGLAGT12 | 360 | 360 | 360 | 360 | 330 | 293 | 267 | 256 | 250 | 250 | 250 | 250 | 257 | 281 | 261 | 267 | 286 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 8,049 |
| **PGPSBK3B(DF)** | **96** | **130** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **95** | **100** | **102** | **117** | **109** | **2426** |
| PLPSGT11 | 216 | 216 | 216 | 216 | 216 | 216 | 192 | 140 | 130 | 130 | 130 | 130 | 149 | 216 | 166 | 195 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 4,893 |
| PLPSGT13 | 216 | 216 | 216 | 216 | 216 | 216 | 192 | 140 | 130 | 130 | 130 | 130 | 149 | 216 | 166 | 194 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 4,893 |
| SGB3GT32 | 213 | 213 | 213 | 151 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 153 | 186 | 213 | 213 | 213 | 213 | 213 | 4,335 |
| SGB3GT33 | 213 | 213 | 213 | 151 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 153 | 186 | 213 | 213 | 213 | 213 | 213 | 4,333 |
| SGRIGT13 | 130 | 217 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 135 | 139 | 158 | 149 | 3,335 |
| TJGSBK1A | 355 | 355 | 355 | 355 | 331 | 290 | 261 | 249 | 232 | 222 | 219 | 223 | 251 | 277 | 255 | 261 | 282 | 342 | 355 | 355 | 355 | 355 | 355 | 355 | 7,883 |
| TJGSBK1B | 349 | 349 | 349 | 349 | 331 | 290 | 261 | 249 | 231 | 222 | 219 | 223 | 251 | 277 | 255 | 261 | 282 | 342 | 349 | 349 | 349 | 349 | 349 | 349 | 7,780 |
| **TJGSBK2A(DF)** | **346** | **346** | **346** | **346** | **317** | **276** | **275** | **275** | **275** | **275** | **275** | **275** | **275** | **275** | **275** | **275** | **275** | **335** | **346** | **346** | **346** | **346** | **346** | **346** | **7858.5** |
| **TJGSBK2B(DF)** | **348** | **348** | **348** | **348** | **317** | **276** | **275** | **275** | **275** | **275** | **275** | **275** | **275** | **275** | **275** | **275** | **275** | **335** | **348** | **348** | **348** | **348** | **348** | **348** | **7892.5** |
| YPKA | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 18,720 |
| YPGS | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 4,680 |
| SGB3GT31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 152 | 185 | 213 | 213 | 213 | 213 | 213 | 3,217 |
| GLGRBK1A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130 | 151 | 151 | 151 | 151 | 151 | 2,255 |
| KLPPGT15 | 219 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 219 | 219 | 219 | 219 | 219 | 219 | 3,285 |
| SKSPBK1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 255 | 350 | 350 | 350 | 350 | 350 | 5,143 |
| PLPSGT12 | 216 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 216 | 216 | 216 | 216 | 216 | 3,132 |
| SGRIGT11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 | 99 | 107 | 147 | 129 | 1,556 |
| SGRIGT12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 107 | 147 | 129 | 1,372 |
| CBPSBK1A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 1,318 |
| PGPSBK3A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117 | 109 | 691 |
| KLPPGT11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 233 |
| KLPPGT12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 134 |
| PDPSGT1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 70 | 420 |
| CBPSGT6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210 |
| CBPSGT5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 |
| HYDRO: | | | | | | | | | | | | | | | | | | | | | | | | | |
| KNYR 1 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 88 | 100 | 100 | 100 | 1,844 |
| KNYR 2 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 100 | 100 | 100 | 1,124 |
| KNYR 3 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 100 | 100 | 100 | 1,018 |
| KNYR 4 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 100 | 100 | 100 | 1,015 |
| TMGR 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TMGR 2 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 791 |
| TMGR 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109 |
| PGAU 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PGAU 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PGAU 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110 | 500 |
| SYPS 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 700 |
| SIHY 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 150 | 150 | 150 | 1,428 |
| BSIA 1 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 45 | 40 | 450 |
| KNRG 1 | 40 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 800 |
| CEND 1 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 17 | 17 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 500 |
| UPIA 1 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 168 |
| LPIA 1 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 480 |
| SPN RSV | 1172 | 900 | 1089 | 1264 | 1234 | 1448 | 1611 | 1762 | 1855 | 1955 | 1986 | 1930 | 1737 | 1502 | 1687 | 1606 | 1578 | 1054 | 1009 | 919 | 988 | 925 | 904 | 929 | 28,519 |
| TOTAL GEN | 12615 | 12231 | 11963 | 11788 | 11584 | 11370 | 11207 | 11056 | 10963 | 10863 | 10832 | 10888 | 11081 | 11316 | 11131 | 11212 | 11592 | 12342 | 13107 | 13630 | 14011 | 14391 | 14735 | 14840 | 316,286 |

**REVISED**

| TIME | 1200 | 1230 | 1300 | 1330 | 1400 | 1430 | 1500 | 1530 | 1600 | 1630 | 1700 | 1730 | 1800 | 1830 | 1900 | 1930 | 2000 | 2030 | 2100 | 2130 | 2200 | 2230 | 2300 | 2330 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LOAD | 14726 | 14463 | 14315 | 14591 | 14904 | 15175 | 15182 | 15156 | 15165 | 15131 | 14769 | 14292 | 13810 | 13594 | 13787 | 14320 | 14292 | 14215 | 14055 | 13893 | 13513 | 13449 | 13170 | 12869 | 317,368 |
| EGATDC | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -720 |
| CUFG | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 960 |
| CUFK | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 842 |
| JMJGU1 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 16,536 |
| JMJGU2 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 16,536 |
| JMJGU3 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 689 | 16,536 |
| PKLGU3 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 6,240 |
| PKLGU5 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 7,920 |
| PKLGU6 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 11,040 |
| TBINU1 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 16,770 |
| TBINU2 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 16,770 |
| JMAHU1 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 16,770 |
| JMAHU2 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 16,770 |
| **PGPSU2(mfo)** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **1680** |
| **PKLGU1(mfo)** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **5550** |
| **PKLGU2(mfo)** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **280** | **5549.5** |
| CBPSBK1B | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 135 | 139 | 3,300 |
| GLGRBK1B | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 3,624 |
| KLPPGT13 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 5,104 |
| KLPPGT14 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 5,103 |
| MPSSGT1 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 3,809 |
| MPSSGT2 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 3,809 |
| PAKABK1A | 114 | 105 | 103 | 111 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 113 | 107 | 113 | 114 | 114 | 113 | 113 | 113 | 107 | 106 | 101 | 105 | 2,591 |
| PAKABK1B | 114 | 105 | 103 | 111 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 113 | 107 | 113 | 114 | 114 | 113 | 113 | 113 | 107 | 106 | 101 | 104 | 2,589 |
| PAKABK2A | 114 | 105 | 103 | 111 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 113 | 107 | 113 | 114 | 114 | 113 | 113 | 113 | 107 | 106 | 101 | 104 | 2,588 |
| PAKABK2B | 114 | 105 | 103 | 111 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 113 | 107 | 113 | 114 | 114 | 113 | 113 | 113 | 107 | 106 | 101 | 104 | 2,588 |
| PAKABK4A | 118 | 109 | 106 | 114 | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 117 | 111 | 117 | 118 | 118 | 117 | 117 | 117 | 111 | 109 | 105 | 107 | 2,688 |
| PAKABK4B | 118 | 109 | 106 | 114 | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 117 | 111 | 117 | 118 | 118 | 117 | 117 | 117 | 111 | 109 | 105 | 107 | 2,687 |
| PGLAGT12 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 8,049 |
| **PGPSBK3B(DF)** | **108** | **95** | **95** | **95** | **109** | **109** | **109** | **109** | **109** | **109** | **109** | **111** | **104** | **95** | **104** | **111** | **112** | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 2,426 |
| PLPSGT11 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 4,893 |
| PLPSGT13 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 4,893 |
| SGB3GT32 | 213 | 189 | 171 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 207 | 213 | 213 | 213 | 213 | 213 | 213 | 206 | 191 | 151 | 180 | 4,335 |
| SGB3GT33 | 213 | 188 | 170 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 206 | 213 | 213 | 213 | 213 | 213 | 213 | 206 | 191 | 149 | 180 | 4,333 |
| SGRIGT13 | 148 | 130 | 130 | 130 | 150 | 151 | 148 | 150 | 151 | 150 | 150 | 152 | 141 | 130 | 142 | 153 | 152 | 141 | 141 | 142 | 130 | 130 | 130 | 130 | 3,335 |
| TJGSBK1A | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | 7,883 |
| TJGSBK1B | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 349 | 7,780 |
| **TJGSBK2A(DF)** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | **346** | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 7,859 |
| **TJGSBK2B(DF)** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | **348** | 348 | 348 | 348 | 348 | 348 | 348 | 348 | 7,893 |
| YPKA | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 780 | 18,720 |
| YPGS | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 4,680 |
| SGB3GT31 | 213 | 188 | 170 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 206 | 213 | 213 | 213 | 213 | 213 | 213 | 206 | 191 | 149 | 180 | 3,217 |
| GLGRBK1A | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 2,255 |
| KLPPGT15 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 0 | 3,285 |
| SKSPBK1 | 350 | 337 | 320 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 339 | 306 | 328 | 5,143 |
| PLPSGT12 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 0 | 3,132 |
| SGRIGT11 | 125 | 90 | 90 | 90 | 129 | 129 | 129 | 130 | 129 | 130 | 129 | 134 | 115 | 90 | 113 | 135 | 136 | 112 | 112 | 113 | 90 | 90 | 0 | 0 | 1,556 |
| SGRIGT12 | 125 | 90 | 90 | 90 | 129 | 129 | 129 | 130 | 129 | 130 | 129 | 134 | 115 | 90 | 113 | 135 | 136 | 112 | 112 | 113 | 0 | 0 | 0 | 0 | 1,372 |
| CBPSBK1A | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,318 |
| PGPSBK3A | 107 | 95 | 95 | 95 | 109 | 109 | 109 | 109 | 109 | 109 | 109 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 691 |
| KLPPGT11 | 40 | 34 | 32 | 39 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233 |
| KLPPGT12 | 23 | 20 | 19 | 22 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 |
| **PDPSGT1** | 70 | 70 | **70** | **70** | **70** | **70** | **70** | **70** | **70** | **70** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 420 |
| **CBPSGT6** | 0 | 0 | 0 | 0 | 0 | 70 | **70** | **70** | **70** | **70** | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210 |
| **CBPSGT5** | 0 | 0 | 0 | 0 | 0 | 70 | **70** | **70** | **70** | **70** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 |
| HYDRO: | | | | | | | | | | | | | | | | | | | | | | | | | |
| KNYR 1 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 60 | 60 | 60 | 100 | 100 | 100 | 87 | 93 | 60 | 60 | 60 | 60 | 1,844 |
| KNYR 2 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 60 | 0 | 60 | 100 | 100 | 100 | 87 | 92 | 0 | 0 | 0 | 0 | 1,124 |
| KNYR 3 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 100 | 87 | 0 | 0 | 0 | 0 | 0 | 1,018 |
| KNYR 4 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 100 | 84 | 0 | 0 | 0 | 0 | 0 | 1,015 |
| TMGR 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TMGR 2 | 30 | 30 | 30 | 30 | 30 | 58 | 63 | 48 | 53 | 70 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 791 |
| TMGR 3 | 0 | 0 | 0 | 0 | 0 | 57 | 62 | 47 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109 |
| PGAU 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PGAU 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PGAU 3 | 0 | 0 | 0 | 0 | 140 | 150 | 150 | 150 | 150 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500 |
| SYPS 1 | 100 | 100 | 40 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 20 | 0 | 0 | 0 | 35 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 700 |
| SIHY 1 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 30 | 0 | 0 | 150 | 150 | 150 | 45 | 40 | 0 | 0 | 0 | 0 | 1,428 |
| BSIA 1 | 10 | 10 | 10 | 10 | 35 | 70 | 70 | 70 | 70 | 70 | 40 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 450 |
| KNRG 1 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 800 |
| CEND 1 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 500 |
| UPIA 1 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 168 |
| LPIA 1 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 480 |
| SPN RSV | 931 | 1194 | 1342 | 1066 | 903 | 955 | 948 | 974 | 965 | 915 | 902 | 923 | 1105 | 1071 | 988 | 905 | 933 | 910 | 1070 | 1032 | 945 | 1009 | 1071 | 937 | 28,519 |
| TOTAL GEN | 14688 | 14425 | 14277 | 14553 | 14866 | 15137 | 15144 | 15118 | 15127 | 15093 | 14731 | 14254 | 13772 | 13556 | 13739 | 14272 | 14244 | 14167 | 14007 | 13845 | 13465 | 13401 | 13122 | 12821 | 316,286 |

***** PDPS GT 1 on RT test & CBPS GT 5 & 6 on TAAC test**