

**Table 6-6 Numbers of Valid Authorized Certificates for Environmental Professionals**

Unit : No.

| End of Period | Total   | Air Pollution Control Category |                                   |                                             |                                          |                                                                                  |                                                                     |
|---------------|---------|--------------------------------|-----------------------------------|---------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------|
|               |         | Sub-total                      | Air Pollution Control Specialists | Indoor Air Quality Management Professionals | Air Pollution Emission Visual Inspectors | Gasoline Engine Vehicle Emission Control System & Idle Emissions Test Inspectors | Motorcycle Emission Control System & Idle Emissions Test Inspectors |
| 2010          | 151,034 | 55,178                         | 19,900                            | —                                           | 1,444                                    |                                                                                  | 29,192                                                              |
| 2011          | 157,196 | 56,887                         | 20,750                            | —                                           | 1,534                                    |                                                                                  | 29,778                                                              |
| 2012          | 165,530 | 59,129                         | 21,953                            | —                                           | 1,636                                    |                                                                                  | 30,437                                                              |
| 2013          | 174,469 | 62,819                         | 22,780                            | 1,906                                       | 1,761                                    |                                                                                  | 31,114                                                              |
| 2014          | 184,517 | 67,050                         | 23,754                            | 4,093                                       | 1,901                                    |                                                                                  | 31,816                                                              |
| 2015          | 193,301 | 70,212                         | 24,738                            | 5,278                                       | 1,993                                    |                                                                                  | 32,486                                                              |
| 2016          | 202,424 | 73,160                         | 25,829                            | 6,316                                       | 2,109                                    |                                                                                  | 33,023                                                              |
| 2017          | 212,504 | 76,782                         | 27,083                            | 7,673                                       | 2,180                                    |                                                                                  | 33,734                                                              |
| 2018          | 221,723 | 79,693                         | 28,118                            | 8,594                                       | 2,296                                    |                                                                                  | 34,427                                                              |
| 2019          | 229,877 | 82,116                         | 28,970                            | 9,373                                       | 2,372                                    | 7,791                                                                            | 27,167                                                              |
| 2020          | 237,709 | 84,247                         | 29,931                            | 9,915                                       | 2,462                                    | 7,919                                                                            | 27,443                                                              |
| 2021          | 243,725 | 86,550                         | 30,471                            | 10,312                                      | 2,533                                    | 8,039                                                                            | 27,681                                                              |
| 2022          | 252,865 | 88,994                         | 31,348                            | 10,863                                      | 2,632                                    | 8,159                                                                            | 28,080                                                              |
| 2023          | 261,847 | 91,362                         | 32,413                            | 11,318                                      | 2,698                                    | 8,371                                                                            | 28,314                                                              |
| 2024          | 269,683 | 93,504                         | 33,264                            | 11,783                                      | 2,744                                    | 8,446                                                                            | 28,734                                                              |
| May           | 264,263 | 92,064                         | 32,627                            | 11,464                                      | 2,698                                    | 8,382                                                                            | 28,505                                                              |
| June          | 265,403 | 92,291                         | 32,748                            | 11,541                                      | 2,698                                    | 8,382                                                                            | 28,533                                                              |
| July          | 265,542 | 92,343                         | 32,756                            | 11,552                                      | 2,698                                    | 8,382                                                                            | 28,565                                                              |
| Aug.          | 266,793 | 92,735                         | 32,946                            | 11,627                                      | 2,698                                    | 8,383                                                                            | 28,645                                                              |
| Sept.         | 266,984 | 92,793                         | 32,952                            | 11,635                                      | 2,698                                    | 8,404                                                                            | 28,661                                                              |
| Oct.          | 268,354 | 93,221                         | 33,138                            | 11,713                                      | 2,719                                    | 8,443                                                                            | 28,709                                                              |
| Nov.          | 268,490 | 93,251                         | 33,146                            | 11,723                                      | 2,719                                    | 8,446                                                                            | 28,711                                                              |
| Dec.          | 269,683 | 93,504                         | 33,264                            | 11,783                                      | 2,744                                    | 8,446                                                                            | 28,734                                                              |
| 2025          | 273,554 | 94,546                         | 33,664                            | 11,988                                      | 2,744                                    | 8,664                                                                            | 28,826                                                              |
| Jan.          | 269,847 | 93,529                         | 33,276                            | 11,788                                      | 2,744                                    | 8,447                                                                            | 28,737                                                              |
| Feb.          | 269,940 | 93,542                         | 33,286                            | 11,789                                      | 2,744                                    | 8,448                                                                            | 28,738                                                              |
| Mar.          | 270,641 | 93,680                         | 33,367                            | 11,810                                      | 2,744                                    | 8,448                                                                            | 28,739                                                              |
| Apr.          | 270,869 | 93,836                         | 33,368                            | 11,811                                      | 2,744                                    | 8,536                                                                            | 28,772                                                              |
| May           | 272,217 | 94,187                         | 33,553                            | 11,902                                      | 2,744                                    | 8,580                                                                            | 28,777                                                              |
| June          | 272,371 | 94,252                         | 33,564                            | 11,905                                      | 2,744                                    | 8,624                                                                            | 28,781                                                              |
| July          | 273,554 | 94,546                         | 33,664                            | 11,988                                      | 2,744                                    | 8,664                                                                            | 28,826                                                              |

Source: National Environmental Research Academy, MOENV.

**Table 6-6 Numbers of Valid Authorized Certificates for Environmental Professionals (Cont. 1)**

Unit : No.

| End of Period | Air Pollution Control Category                                                     |                                                                    |                                                                        |                                                                    |                                                                  |                                          |
|---------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------|
|               | Gasoline Engine<br>Vehicle Driving<br>Cycle & Idle<br>Emissions<br>Test Inspectors | Motorcycle<br>Driving Cycle &<br>Idle Emissions<br>Test Inspectors | Diesel Engine<br>Vehicle Smog<br>Inspection<br>Equipment<br>Inspectors | Stationary Source<br>Air Emission<br>Instrumentation<br>Inspectors | Gas Station<br>Gasoline Vapor<br>Recovery Facility<br>Inspectors | Health Risk<br>Assessment<br>Specialists |
| 2010          | 559                                                                                | 426                                                                | 3,080                                                                  | 367                                                                | 210                                                              | —                                        |
| 2011          | 593                                                                                | 457                                                                | 3,161                                                                  | 367                                                                | 247                                                              | —                                        |
| 2012          | 626                                                                                | 459                                                                | 3,318                                                                  | 367                                                                | 333                                                              | —                                        |
| 2013          | 626                                                                                | 459                                                                | 3,440                                                                  | 367                                                                | 366                                                              | —                                        |
| 2014          | 671                                                                                | 459                                                                | 3,591                                                                  | 367                                                                | 398                                                              | —                                        |
| 2015          | 717                                                                                | 498                                                                | 3,676                                                                  | 367                                                                | 459                                                              | —                                        |
| 2016          | 717                                                                                | 498                                                                | 3,796                                                                  | 367                                                                | 505                                                              | —                                        |
| 2017          | 758                                                                                | 533                                                                | 3,907                                                                  | 367                                                                | 547                                                              | —                                        |
| 2018          | 761                                                                                | 534                                                                | 4,018                                                                  | 367                                                                | 578                                                              | —                                        |
| 2019          | 806                                                                                | 534                                                                | 4,130                                                                  | 367                                                                | 606                                                              | —                                        |
| 2020          | 825                                                                                | 534                                                                | 4,224                                                                  | 367                                                                | 627                                                              | —                                        |
| 2021          | 843                                                                                | 589                                                                | 4,249                                                                  | 367                                                                | 670                                                              | 796                                      |
| 2022          | 845                                                                                | 590                                                                | 4,354                                                                  | 367                                                                | 715                                                              | 1,041                                    |
| 2023          | 845                                                                                | 590                                                                | 4,488                                                                  | 367                                                                | 764                                                              | 1,194                                    |
| 2024          | 879                                                                                | 590                                                                | 4,584                                                                  | 367                                                                | 810                                                              | 1,303                                    |
| May           | 878                                                                                | 590                                                                | 4,536                                                                  | 367                                                                | 810                                                              | 1,207                                    |
| June          | 878                                                                                | 590                                                                | 4,536                                                                  | 367                                                                | 810                                                              | 1,208                                    |
| July          | 878                                                                                | 590                                                                | 4,537                                                                  | 367                                                                | 810                                                              | 1,208                                    |
| Aug.          | 878                                                                                | 590                                                                | 4,537                                                                  | 367                                                                | 810                                                              | 1,254                                    |
| Sept.         | 879                                                                                | 590                                                                | 4,538                                                                  | 367                                                                | 810                                                              | 1,259                                    |
| Oct.          | 879                                                                                | 590                                                                | 4,576                                                                  | 367                                                                | 810                                                              | 1,277                                    |
| Nov.          | 879                                                                                | 590                                                                | 4,583                                                                  | 367                                                                | 810                                                              | 1,277                                    |
| Dec.          | 879                                                                                | 590                                                                | 4,584                                                                  | 367                                                                | 810                                                              | 1,303                                    |
| 2025          | 879                                                                                | 590                                                                | 4,626                                                                  | 367                                                                | 855                                                              | 1,343                                    |
| Jan.          | 879                                                                                | 590                                                                | 4,585                                                                  | 367                                                                | 810                                                              | 1,306                                    |
| Feb.          | 879                                                                                | 590                                                                | 4,585                                                                  | 367                                                                | 810                                                              | 1,306                                    |
| Mar.          | 879                                                                                | 590                                                                | 4,614                                                                  | 367                                                                | 810                                                              | 1,312                                    |
| Apr.          | 879                                                                                | 590                                                                | 4,626                                                                  | 367                                                                | 831                                                              | 1,312                                    |
| May           | 879                                                                                | 590                                                                | 4,626                                                                  | 367                                                                | 836                                                              | 1,333                                    |
| June          | 879                                                                                | 590                                                                | 4,626                                                                  | 367                                                                | 836                                                              | 1,336                                    |
| July          | 879                                                                                | 590                                                                | 4,626                                                                  | 367                                                                | 855                                                              | 1,343                                    |

**Table 6-6 Numbers of Valid Authorized Certificates for Environmental Professionals (Cont. 2)**

Unit : No.

| End of Period | Noise Control Category |                                |                                                                 | Waste Water Disposal Category              | Waste Clearance & Disposal Category |                             |                            |
|---------------|------------------------|--------------------------------|-----------------------------------------------------------------|--------------------------------------------|-------------------------------------|-----------------------------|----------------------------|
|               | Sub-total              | Motor Vehicle Noise Inspectors | Public & Private Premises Noise Inspection Certified Inspectors | Waste Water & Sewage Treatment Specialists | Sub-total                           | Waste Clearance Technicians | Waste Disposal Technicians |
| 2010          | 1,316                  | 1,316                          | —                                                               | 35,733                                     | 38,692                              | 11,486                      | 27,206                     |
| 2011          | 1,468                  | 1,354                          | 114                                                             | 37,086                                     | 40,743                              | 11,574                      | 29,169                     |
| 2012          | 1,787                  | 1,399                          | 388                                                             | 38,809                                     | 43,309                              | 11,716                      | 31,593                     |
| 2013          | 1,984                  | 1,523                          | 461                                                             | 40,418                                     | 45,646                              | 11,849                      | 33,797                     |
| 2014          | 2,168                  | 1,603                          | 565                                                             | 42,197                                     | 48,195                              | 12,163                      | 36,032                     |
| 2015          | 2,695                  | 1,646                          | 1,049                                                           | 43,974                                     | 50,360                              | 12,347                      | 38,013                     |
| 2016          | 2,863                  | 1,684                          | 1,179                                                           | 45,811                                     | 53,204                              | 12,454                      | 40,750                     |
| 2017          | 3,099                  | 1,729                          | 1,370                                                           | 47,885                                     | 55,824                              | 12,606                      | 43,218                     |
| 2018          | 3,347                  | 1,774                          | 1,573                                                           | 49,834                                     | 58,554                              | 12,742                      | 45,812                     |
| 2019          | 3,589                  | 1,847                          | 1,742                                                           | 51,465                                     | 60,931                              | 12,887                      | 48,044                     |
| 2020          | 3,789                  | 1,897                          | 1,892                                                           | 52,958                                     | 63,207                              | 13,111                      | 50,096                     |
| 2021          | 3,953                  | 1,940                          | 2,013                                                           | 53,868                                     | 64,977                              | 13,326                      | 51,651                     |
| 2022          | 4,188                  | 2,017                          | 2,171                                                           | 55,170                                     | 68,555                              | 13,845                      | 54,710                     |
| 2023          | 4,298                  | 2,080                          | 2,218                                                           | 56,696                                     | 72,002                              | 14,318                      | 57,684                     |
| 2024          | 4,448                  | 2,122                          | 2,326                                                           | 57,937                                     | 75,146                              | 14,835                      | 60,311                     |
| May           | 4,356                  | 2,080                          | 2,276                                                           | 57,130                                     | 72,894                              | 14,473                      | 58,421                     |
| June          | 4,393                  | 2,080                          | 2,313                                                           | 57,295                                     | 73,386                              | 14,529                      | 58,857                     |
| July          | 4,397                  | 2,080                          | 2,317                                                           | 57,308                                     | 73,437                              | 14,547                      | 58,890                     |
| Aug.          | 4,403                  | 2,080                          | 2,323                                                           | 57,482                                     | 73,952                              | 14,634                      | 59,318                     |
| Sept.         | 4,443                  | 2,120                          | 2,323                                                           | 57,496                                     | 74,007                              | 14,649                      | 59,358                     |
| Oct.          | 4,446                  | 2,120                          | 2,326                                                           | 57,734                                     | 74,550                              | 14,729                      | 59,821                     |
| Nov.          | 4,448                  | 2,122                          | 2,326                                                           | 57,757                                     | 74,609                              | 14,739                      | 59,870                     |
| Dec.          | 4,448                  | 2,122                          | 2,326                                                           | 57,937                                     | 75,146                              | 14,835                      | 60,311                     |
| 2025          | 4,566                  | 2,164                          | 2,402                                                           | 58,546                                     | 76,682                              | 15,082                      | 61,600                     |
| Jan.          | 4,448                  | 2,122                          | 2,326                                                           | 57,958                                     | 75,224                              | 14,854                      | 60,370                     |
| Feb.          | 4,448                  | 2,122                          | 2,326                                                           | 57,963                                     | 75,254                              | 14,855                      | 60,399                     |
| Mar.          | 4,449                  | 2,123                          | 2,326                                                           | 58,087                                     | 75,587                              | 14,899                      | 60,688                     |
| Apr.          | 4,488                  | 2,162                          | 2,326                                                           | 58,094                                     | 75,606                              | 14,903                      | 60,703                     |
| May           | 4,559                  | 2,163                          | 2,396                                                           | 58,305                                     | 76,131                              | 15,004                      | 61,127                     |
| June          | 4,560                  | 2,164                          | 2,396                                                           | 58,322                                     | 76,183                              | 15,021                      | 61,162                     |
| July          | 4,566                  | 2,164                          | 2,402                                                           | 58,546                                     | 76,682                              | 15,082                      | 61,600                     |

**Table 6-6 Numbers of Valid Authorized Certificates for Environmental Professionals (Cont. 3)**

Unit : No.

| End of Period | Toxic and Concerned Chemical Substances Management Category    | Environmental Agents Category |                                                             |                                                       |                                                 | Soil Pollution Assessment Inspectors |
|---------------|----------------------------------------------------------------|-------------------------------|-------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------|--------------------------------------|
|               | Toxic and Concerned Chemical Substances Management Specialists | Sub-total                     | Environmental Agents Manufacturing Professional Technicians | Environmental Agents Vendors Professional Technicians | Disease Vector Control Professional Technicians |                                      |
| 2010          | 12,556                                                         | 7,559                         | 469                                                         | 1,070                                                 | 6,020                                           | —                                    |
| 2011          | 13,163                                                         | 7,849                         | 497                                                         | 1,103                                                 | 6,249                                           | —                                    |
| 2012          | 14,187                                                         | 8,095                         | 514                                                         | 1,122                                                 | 6,459                                           | 214                                  |
| 2013          | 14,949                                                         | 8,406                         | 563                                                         | 1,178                                                 | 6,665                                           | 247                                  |
| 2014          | 15,845                                                         | 8,773                         | 612                                                         | 1,223                                                 | 6,938                                           | 289                                  |
| 2015          | 16,532                                                         | 9,225                         | 660                                                         | 1,281                                                 | 7,284                                           | 303                                  |
| 2016          | 17,338                                                         | 9,652                         | 707                                                         | 1,349                                                 | 7,596                                           | 396                                  |
| 2017          | 18,244                                                         | 10,134                        | 742                                                         | 1,388                                                 | 8,004                                           | 536                                  |
| 2018          | 19,004                                                         | 10,642                        | 784                                                         | 1,490                                                 | 8,368                                           | 649                                  |
| 2019          | 19,735                                                         | 11,323                        | 823                                                         | 1,646                                                 | 8,854                                           | 718                                  |
| 2020          | 20,547                                                         | 12,140                        | 873                                                         | 1,857                                                 | 9,410                                           | 821                                  |
| 2021          | 20,925                                                         | 12,576                        | 910                                                         | 1,960                                                 | 9,706                                           | 876                                  |
| 2022          | 21,628                                                         | 13,401                        | 992                                                         | 2,162                                                 | 10,247                                          | 929                                  |
| 2023          | 22,359                                                         | 14,122                        | 1,040                                                       | 2,355                                                 | 10,727                                          | 1,008                                |
| 2024          | 22,830                                                         | 14,757                        | 1,084                                                       | 2,523                                                 | 11,150                                          | 1,061                                |
| May           | 22,499                                                         | 14,312                        | 1,064                                                       | 2,402                                                 | 10,846                                          | 1,008                                |
| June          | 22,581                                                         | 14,417                        | 1,067                                                       | 2,439                                                 | 10,911                                          | 1,040                                |
| July          | 22,585                                                         | 14,431                        | 1,067                                                       | 2,441                                                 | 10,923                                          | 1,041                                |
| Aug.          | 22,693                                                         | 14,486                        | 1,068                                                       | 2,446                                                 | 10,972                                          | 1,042                                |
| Sept.         | 22,712                                                         | 14,491                        | 1,068                                                       | 2,447                                                 | 10,976                                          | 1,042                                |
| Oct.          | 22,741                                                         | 14,618                        | 1,073                                                       | 2,477                                                 | 11,068                                          | 1,044                                |
| Nov.          | 22,744                                                         | 14,637                        | 1,074                                                       | 2,483                                                 | 11,080                                          | 1,044                                |
| Dec.          | 22,830                                                         | 14,757                        | 1,084                                                       | 2,523                                                 | 11,150                                          | 1,061                                |
| 2025          | 23,082                                                         | 15,062                        | 1,095                                                       | 2,589                                                 | 11,378                                          | 1,070                                |
| Jan.          | 22,845                                                         | 14,780                        | 1,088                                                       | 2,532                                                 | 11,160                                          | 1,063                                |
| Feb.          | 22,886                                                         | 14,784                        | 1,089                                                       | 2,534                                                 | 11,161                                          | 1,063                                |
| Mar.          | 22,930                                                         | 14,839                        | 1,094                                                       | 2,551                                                 | 11,194                                          | 1,069                                |
| Apr.          | 22,935                                                         | 14,841                        | 1,094                                                       | 2,551                                                 | 11,196                                          | 1,069                                |
| May           | 22,997                                                         | 14,968                        | 1,095                                                       | 2,585                                                 | 11,288                                          | 1,070                                |
| June          | 23,002                                                         | 14,982                        | 1,095                                                       | 2,588                                                 | 11,299                                          | 1,070                                |
| July          | 23,082                                                         | 15,062                        | 1,095                                                       | 2,589                                                 | 11,378                                          | 1,070                                |