**Online Appendix:**

Coverage Schedules under the Revised GPA

In this section we summarize the WTO GPA Appendices that regulate the coverage of the GPA. Official documents are available at

https://www.wto.org/english/tratop\_e/gproc\_e/gp\_app\_agree\_e.htm

The WTO GPA provisions apply only to entities listed in Appendix I of the agreement. According to entity annexes of Appendix 1, Annex 1 lists cover central government entities, Annex 2 lists sub-central government entities, and Annex 3 lists all other entities such as utilities that produce in accordance with the provisions of the WTO GPA. Entities listed in Annex 3 may be partially or wholly private. While Annex 4 lists the goods covered by the Agreement, Annex 5 lists the services other than construction services covered by the WTO GPA. Annex 6 lists the construction services covered by the Agreement, and Annex 7 has some general notes, setting out further derogations and exclusions. When listing goods and services the Parties are free to use either positive lists or negative lists. The Appendixes II-IV are on transparency indicating media and websites used for publication of laws and regulations, notices, awards and statistics.

The WTO GPA applies to any measure regarding covered procurement, whether or not it is conducted exclusively or partially by electronic means. According to Article II.2 of the WTO GPA covered procurement means procurement for governmental purposes (a) of goods, services or any combination thereof: (i) as specified in each Party’s annexes to Appendix I, (ii) not procured with a view of commercial sale or resale or for use in the production or supply of goods or services for commercial sale or resale; (b) by any contractual means, including: purchase; lease; and rental or hire purchase, with or without an option to buy; (c) for which the value, as estimated in accordance with paragraphs 6 through 8, equals or exceeds the relevant threshold specified in a Party's annexes to Appendix I, at the time of publication of a notice in accordance with Article VII; (d) by a procuring entity; and (e) that is not otherwise excluded from coverage in paragraph 3 or a Party's annexes to Appendix.

Covered procurement is subject to the requirements of the WTO GPA when its value exceeds certain specified thresholds and if the goods and services in question are not exempt from the Agreement.

**Thresholds for Central Government Entities**

Goods SDR 130,000

Services SDR 130,000

Construction Services SDR 5,000,000

*Thresholds for Sub-Central Government Entities*

**Thresholds:**

Goods SDR 200,000

Services SDR 200,000

Construction Services SDR 5,000,000

*Thresholds for Other Entities*

**Thresholds:**

Goods SDR 400,000

Services SDR 400,000

Construction Services SDR 5,000,000

**Table OA.1**

**Procedure Type**

|  |  |  |  |
| --- | --- | --- | --- |
| Procedure Type |  | GPA Covered | Not Covered by GPA |
| accelerated negotiated |  | 2,960 | 3,976 |
| accelerated restricted |  | 10,066 | 11,476 |
| award without prior publication of a contract notice |  | 38,037 | 32,738 |
| competitive dialogue |  | 3,740 | 1,616 |
| negotiated without a call for competition |  | 44,346 | 53,154 |
| negotiated with a call for competition |  | 86,238 | 54,182 |
| Open |  | 1,405,288 | 1,234,645 |
| Restricted |  | 118,430 | 66,607 |
| Total |  | 1,709,105[[1]](#footnote-1) | 1,458,394 |

**Table OA.2**

**Total Number of Wins by Foreign Firms**

|  |  |  |  |
| --- | --- | --- | --- |
| Procedure Type |  | GPA Covered | Not Covered by GPA |
| accelerated negotiated |  | 142 | 149 |
| accelerated restricted |  | 443 | 262 |
| award without prior publication of a contract notice |  | 667 | 571 |
| competitive dialogue |  | 239 | 95 |
| negotiated without a call for competition |  | 2795 | 2689 |
| negotiated with a call for competition |  | 3214 | 3205 |
| Open |  | 27243 | 15689 |
| Restricted |  | 2688 | 1644 |
| Not Available |  | 85 | 69 |
| Total |  | 37,516 | 24,373 |

**Table OA.3**

**Number of Successful Firms in EU tenders from Selected Countries**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | GPA Covered |  | Not Covered By GPA |
| Country |  | Frequency | Percent |  | Frequency | Percent |
|  |  |  |  |  |  |  |
| Party to GPA |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Canada |  | 313 | 0,02 |  | 163 | 0.0. |
| France |  | 618,328 | 36,02 |  | 95,276 | 6.51 |
| Germany |  | 141,660 | 8,25 |  | 109,460 | 7.48 |
| Hong Kong |  | 29 | 0,00 |  | 10 | 0.00 |
| Italy |  | 38,259 | 2,23 |  | 67,188 | 4.59 |
| Korea |  | 43 | 0,00 |  | 24 | 0.00 |
| Netherlands |  | 43,162 | 2,51 |  | 13,113 | 0.90 |
| New Zealand |  | 12 | 0,00 |  | 9 | 0.00 |
| Norway |  | 24,736 | 1,44 |  | 1,461 | 0.10 |
| Poland |  | 152,975 | 8,91 |  | 710,047 | 48.53 |
| Spain |  | 38,771 | 2,26 |  | 38,714 | 2.65 |
| Switzerland |  | 12,806 | 0,75 |  | 3,438 | 0.23 |
| Taiwan |  | 11 | 0,00 |  | 3 | 0.00 |
| UK |  | 162,132 | 9,44 |  | 77,119 | 5.27 |
| USA |  | 1,371 | 0,08 |  | 783 | 0.05 |
|  |  |  |  |  |  |  |
| Not Party to GPA |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Australia |  | 61 | 0,00 |  | 38 | 0.00 |
| Egypt |  | 8 | 0,00 |  | 5 | 0.00 |
| India |  | 137 | 0,01 |  | 75 | 0.01 |
| Israel |  | 84 | 0,00 |  | 44 | 0.00 |
| Malaysia |  | 4 | 0,00 |  | 2 | 0.00 |
| Mexico |  | 1 | 0,00 |  | 1 | 0.00 |
| Pakistan |  | 12 | 0,00 |  | 8 | 0.00 |
| Russian Federation |  | 211 | 0,01 |  | 67 | 0.00 |
| Thailand |  | 8 | 0,00 |  | 41 | 0.00 |
| Turkey |  | 56 | 0,00 |  | 60 | 0.00 |
|  |  |  |  |  |  |  |
| Total |  | 1,235,190 | 100 |  | 1,117,149 | 100 |

**Table OA.4**

 **Average Procurement Value by Authority Country**

|  |  |  |  |
| --- | --- | --- | --- |
| Country |  | Mean |  |
| Austria |  | 3,073,673 |  |
| Belgium |  | 3.42e+07 |  |
| Bulgaria |  | 455,549.1 |  |
| Croatia |  | 468,521.9 |  |
| Cyprus |  | 728,650.7 |  |
| Czech Republic |  | 2,032,026 |  |
| Denmark |  | 3,848,399 |  |
| Estonia |  | 1,255,136 |  |
| Finland |  | 1,492,853 |  |
| France |  | 1,264,722 |  |
| Germany |  | 980,714 |  |
| Greece |  | 1,541,678 |  |
| Hungary |  | 2,382,998 |  |
| Iceland |  | 9,948,106 |  |
| Ireland |  | 2,218,214 |  |
| Italy |  | 2,688,021 |  |
| Latvia |  | 730,872.7 |  |
| Lithuania |  | 864,630.6 |  |
| Luxembourg |  | 6,347,485 |  |
| Macedonia |  | 915,075.8 |  |
| Malta |  | 833,039.8 |  |
| Netherlands |  | 4,292,260 |  |
| Norway |  | 4,243,491 |  |
| Poland |  | 327,467.4 |  |
| Portugal |  | 1,986,096 |  |
| Romania |  | 455,460.5 |  |
| Slovakia |  | 2,374,992 |  |
| Slovenia |  | 593,474.2 |  |
| Spain |  | 2,173,155 |  |
| Sweden |  | 2,304,748 |  |
| Switzerland |  | 2,004,297 |  |
| United Kingdom |  | 2.02e+07 |  |
| Total |  | 1,744,326 |  |

**Table OA.5**

**Binary Logit Regression analysis of probability of a foreign firm winning a contract**

**Excluding France and Poland**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Foreign firm winning a contract** |  | **Non-EU firm winning a contract** |
|  | (1) | (2) | (3) |  | (1) | (2) | (3) |
| GPA Covered | 0.06 | 0.08 | 0.09 |  | 0.11 | 0.14 | 0.17 |
|  | (5.31)\*\* | (6.96)\*\* | (6.67)\*\* |  | (4.29)\*\* | (5.28)\*\* | (5.95)\*\* |
| Trade to GDP Ratio | 0.01 | 0.01 | 0.00 |  | -0.00 | -0.00 | 0.00 |
|  | (46.76)\*\* | (42.55)\*\* | (34.59)\*\* |  | (1.03) | (1.28) | (0.45) |
| GDP per capita | 0.00 | 0.00 | 0.00 |  | 0.00 | 0.00 | 0.00 |
|  | (54.90)\*\* | (49.51)\*\* | (37.85)\*\* |  | (17.65)\*\* | (15.91)\*\* | (14.32)\*\* |
| Number of Offers |  | -0.01 | -0.01 |  |  | -0.00 | -0.00 |
|  |  | (15.26)\*\* | (16.81)\*\* |  |  | (2.19)\* | (0.09) |
| Contract Value |  |  | -0.00 |  |  |  | -0.00 |
|  |  |  | (0.01) |  |  |  | (0.01) |
| accelerated negotiated | 0.26 | 0.28 | 0.11 |  | 0.42 | 0.43 | 0.27 |
|  | (3.80)\*\* | (4.03)\*\* | (1.13) |  | (3.59)\*\* | (3.55)\*\* | (1.61) |
| accelerated restricted | 0.20 | 0.15 | 0.05 |  | -0.05 | -0.03 | -0.19 |
|  | (4.66)\*\* | (3.19)\*\* | (0.93) |  | (0.55) | (0.33) | (1.79) |
| award without publication | -0.03 | -0.17 | -0.16 |  | -0.02 | -0.27 | -0.27 |
|  | (0.62) | (3.74)\*\* | (3.12)\*\* |  | (0.23) | (3.07)\*\* | (2.67)\*\* |
| competitive dialogue | 0.91 | 0.96 | 0.57 |  | 0.86 | 0.90 | 0.26 |
|  | (12.98)\*\* | (13.28)\*\* | (6.02)\*\* |  | (7.40)\*\* | (7.59)\*\* | (1.42) |
| negotiated without comp. | -0.10 | -0.11 | -0.21 |  | -0.37 | -0.42 | -0.50 |
|  | (4.46)\*\* | (4.69)\*\* | (7.70)\*\* |  | (8.25)\*\* | (8.69)\*\* | (8.66)\*\* |
| restricted | -0.36 | -0.38 | -0.41 |  | -0.85 | -0.86 | -0.89 |
|  | (25.36)\*\* | (25.16)\*\* | (24.61)\*\* |  | (29.66)\*\* | (28.63)\*\* | (26.70)\*\* |
| Central government | 1.05 | 1.03 | 0.95 |  | 0.89 | 0.85 | 0.65 |
|  | (50.56)\*\* | (47.21)\*\* | (39.23)\*\* |  | (20.17)\*\* | (18.23)\*\* | (12.87)\*\* |
| Water, energy, transport | 1.57 | 1.54 | 1.46 |  | 1.18 | 1.13 | 1.02 |
|  | (67.88)\*\* | (63.17)\*\* | (54.32)\*\* |  | (23.23)\*\* | (21.24)\*\* | (17.58)\*\* |
| European Union institution | 4.32 | 4.27 | 4.19 |  | 1.59 | 1.58 | 1.36 |
|  | (149.28)\*\* | (142.27)\*\* | (130.28)\*\* |  | (19.38)\*\* | (18.83)\*\* | (15.04)\*\* |
| other international org. | 2.67 | 2.66 | 2.59 |  | 2.23 | 2.18 | 1.74 |
|  | (18.77)\*\* | (18.22)\*\* | (16.21)\*\* |  | (8.22)\*\* | (7.76)\*\* | (4.77)\*\* |
| governed by public law | 0.92 | 0.87 | 0.80 |  | 0.80 | 0.75 | 0.66 |
|  | (47.31)\*\* | (42.53)\*\* | (34.34)\*\* |  | (19.53)\*\* | (17.41)\*\* | (14.07)\*\* |
| Other | 1.00 | 0.98 | 0.91 |  | 0.98 | 0.94 | 0.79 |
|  | (47.10)\*\* | (44.31)\*\* | (36.54)\*\* |  | (22.25)\*\* | (20.41)\*\* | (15.59)\*\* |
| National or federal Agency | 1.01 | 0.99 | 0.91 |  | 0.74 | 0.70 | 0.52 |
|  | (31.04)\*\* | (29.14)\*\* | (24.22)\*\* |  | (10.22)\*\* | (9.28)\*\* | (6.25)\*\* |
| Regional or local Agency | 0.23 | 0.21 | 0.18 |  | 0.08 | 0.02 | -0.06 |
|  | (4.86)\*\* | (4.20)\*\* | (3.28)\*\* |  | (0.70) | (0.14) | (0.50) |
| Not specified | 1.09 | 1.15 | 1.08 |  | 0.66 | 0.70 | 0.34 |
|  | (15.88)\*\* | (16.14)\*\* | (13.22)\*\* |  | (3.91)\*\* | (3.96)\*\* | (1.51) |
| Constant | -4.52 | -4.47 | -4.19 |  | -4.65 | -4.64 | -4.54 |
|  | (18.17)\*\* | (14.09)\*\* | (13.17)\*\* |  | (11.93)\*\* | (9.03)\*\* | (8.82)\*\* |
| Observations | 1,558,412 | 1,432,787 | 1,217,104 |  | 1,557,119 | 1,431,618 | 1,215,301 |
| Pseudo R2 | 0.19 | 0.19 | 0.21 |  | 0.09 | 0.09 | 0.08 |
| Sectoral Fixed Effects | Yes | Yes | Yes |  | Yes | Yes | Yes |
| Year Fixed Effects | Yes | Yes | Yes |  | Yes | Yes | Yes |

\* p<0.05; \*\* p<0.01

**Table OA.6**

**Effect of the WTO GPA on Procurement Methodology:**

**Multinomial Logit Regression Analysis**

|  |  |
| --- | --- |
| Procedure | WTO GPA Dummy |
| Accelerated Negotiated | -0.26 |
|  | (10.46)\*\* |
| Accelerated Restricted | -0.07 |
|  | (4.48)\*\* |
| Competitive Dialog | 0.88 |
|  | (29.12)\*\* |
| Open (First-Price Auction) | 0.17 |
|  | (33.77)\*\* |
| Restricted | 0.63 |
|  | (91.32)\*\* |
| N | 3,139,743 |

\* p<0.05; \*\* p<0.01

**Table OA.7**

**Effect of GPA on Level of Competition**

**Negative Binomial Regression of Determinants of Number of Offers**

**All Countries**

|  |  |  |  |
| --- | --- | --- | --- |
|  | (1) | (2) | (3) |
| GPA Covered | 0.25 | 0.26 | 0.26 |
|  | (170.18)\*\* | (165.01)\*\* | (156.66)\*\* |
| Trade to GDP Ratio |  | -0.01 | -0.01 |
|  |  | (260.30)\*\* | (264.67)\*\* |
| GDP per capita |  | 0.00 | 0.00 |
|  |  | (46.69)\*\* | (42.62)\*\* |
| Contract Value |  |  | 0.00 |
|  |  |  | (0.71) |
| accelerated negotiated | -0.41 | -0.38 | -0.48 |
|  | (27.80)\*\* | (26.46)\*\* | (29.21)\*\* |
| accelerated restricted | 0.36 | 0.29 | 0.32 |
|  | (43.81)\*\* | (36.00)\*\* | (36.85)\*\* |
| award without publication | -0.09 | 0.17 | 0.15 |
|  | (17.59)\*\* | (31.41)\*\* | (24.04)\*\* |
| competitive dialogue | -0.32 | -0.29 | -0.17 |
|  | (20.19)\*\* | (17.81)\*\* | (9.29)\*\* |
| negotiated with competition | -0.57 |  |  |
|  | (1.81) |  |  |
| negotiated without comp. | -0.08 | -0.03 | 0.08 |
|  | (18.93)\*\* | (8.03)\*\* | (15.73)\*\* |
| restricted | 0.07 | 0.15 | 0.21 |
|  | (30.41)\*\* | (61.73)\*\* | (77.03)\*\* |
| Central government | -0.24 | -0.13 | -0.13 |
|  | (94.51)\*\* | (47.49)\*\* | (44.75)\*\* |
| Water, energy, transport | 0.00 | 0.16 | 0.13 |
|  | (1.31) | (44.36)\*\* | (33.82)\*\* |
| European Union institution | -0.84 | -0.38 | -0.33 |
|  | (79.81)\*\* | (33.29)\*\* | (27.93)\*\* |
| other international org. | -0.58 | -0.60 | -0.53 |
|  | (9.94)\*\* | (10.42)\*\* | (8.31)\*\* |
| governed by public law | -0.08 | 0.03 | 0.04 |
|  | (41.69)\*\* | (12.70)\*\* | (16.93)\*\* |
| Other | 0.04 | 0.11 | 0.10 |
|  | (16.83)\*\* | (49.66)\*\* | (41.75)\*\* |
| National or federal Agency | 0.19 | 0.30 | 0.35 |
|  | (38.77)\*\* | (58.48)\*\* | (62.86)\*\* |
| Regional or local Agency | -0.34 | -0.24 | -0.23 |
|  | (70.55)\*\* | (48.34)\*\* | (43.04)\*\* |
| Not specified | -0.08 | -0.02 | -0.10 |
|  | (17.02)\*\* | (5.09)\*\* | (16.99)\*\* |
| France | -0.34 | -0.59 | -0.60 |
|  | (174.37)\*\* | (260.15)\*\* | (226.62)\*\* |
| Poland | -1.18 | -1.25 | -1.25 |
|  | (651.78)\*\* | (628.59)\*\* | (616.03)\*\* |
| Constant | 1.10 | 1.59 | 1.55 |
|  | (10.48)\*\* | (15.29)\*\* | (15.00)\*\* |
| Observations | 3,121,118 | 2,757,917 | 2,360,291 |
| Pseudo R2 | 0.08 | 0.08 | 0.09 |
| Sector Fixed Effects | Yes | Yes | Yes |
| Year Fixed Effects | Yes | Yes | Yes |

\* p<0.05; \*\* p<0.01

**Table OA.8**

**Effect of GPA on Corruption Measures**

**Binary Logit Regression analysis of Single Bidder Procurement**

**All Countries**

|  |  |  |  |
| --- | --- | --- | --- |
|  | (1) | (2)  | (3) |
| GPA Covered | -0.16 | -0.10 | -0.10 |
|  | (49.02)\*\* | (27.87)\*\* | (26.64)\*\* |
| Trade to GDP Ratio |  | 0.01 | 0.01 |
|  |  | (80.15)\*\* | (83.05)\*\* |
| GDP per capita |  | -0.00 | -0.00 |
|  |  | (182.25)\*\* | (158.50)\*\* |
| Contract Value |  |  | -0.00 |
|  |  |  | (1.07) |
| accelerated negotiated | 0.28 | 0.19 | 0.22 |
|  | (10.02)\*\* | (6.57)\*\* | (6.74)\*\* |
| accelerated restricted | -0.46 | -0.45 | -0.46 |
|  | (25.50)\*\* | (23.66)\*\* | (23.19)\*\* |
| award without publication | -0.20 | -0.47 | -0.54 |
|  | (19.92)\*\* | (42.42)\*\* | (45.09)\*\* |
| competitive dialogue | -1.13 | -1.13 | -1.14 |
|  | (25.57)\*\* | (24.22)\*\* | (22.26)\*\* |
| negotiated with competition | -1.07 |  |  |
|  | (1.73) |  |  |
| negotiated without comp. | -0.64 | -0.65 | -0.61 |
|  | (67.35)\*\* | (62.44)\*\* | (52.54)\*\* |
| restricted | -0.75 | -0.94 | -0.99 |
|  | (150.51)\*\* | (169.70)\*\* | (166.54)\*\* |
| Central government | 0.29 | 0.04 | 0.02 |
|  | (50.65)\*\* | (6.75)\*\* | (2.94)\*\* |
| Water, energy, transport | -0.13 | -0.45 | -0.41 |
|  | (16.83)\*\* | (53.17)\*\* | (46.16)\*\* |
| European Union institution | 0.35 | 0.50 | 0.45 |
|  | (15.25)\*\* | (19.78)\*\* | (17.21)\*\* |
| other international org. | 0.02 | 0.02 | 0.20 |
|  | (0.16) | (0.13) | (1.49) |
| governed by public law | 0.06 | -0.09 | -0.09 |
|  | (13.64)\*\* | (17.59)\*\* | (16.35)\*\* |
| Other | 0.08 | -0.08 | -0.07 |
|  | (17.20)\*\* | (14.26)\*\* | (11.43)\*\* |
| National or federal Agency | -0.17 | -0.47 | -0.51 |
|  | (13.67)\*\* | (34.63)\*\* | (34.98)\*\* |
| Regional or local Agency | 0.05 | -0.01 | -0.02 |
|  | (4.46)\*\* | (1.22) | (1.46) |
| Not specified | -0.11 | -0.15 | -0.10 |
|  | (10.00)\*\* | (13.06)\*\* | (6.43)\*\* |
| France | -0.25 | 0.18 | 0.22 |
|  | (50.72)\*\* | (29.09)\*\* | (29.48)\*\* |
| Poland | 1.38 | 1.22 | 1.22 |
|  | (375.79)\*\* | (285.60)\*\* | (277.94)\*\* |
| Constant | -1.50 | -0.44 | -0.53 |
|  | (7.49)\*\* | (2.17)\* | (2.63)\*\* |
| Observations | 3,519,417 | 3,130,583 | 2,577,436 |
| Pseudo R2 | 0.13 | 0.15 | 0.14 |
| Sector Fixed Effects | Yes | Yes | Yes |
| Year Fixed Effects | Yes | Yes | Yes |

\* p<0.05; \*\* p<0.01

**Table OA.9**

**Recurrent contract award to the same company. Win ratio of companies in GPA and non-GPA procurements**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Number of Observations | Mean | Standard Deviation | Minimum | Maximum |
| GPA Covered | 357,903[[2]](#footnote-2) | 0.65 | 3.3 | 0.001 | 100 |
| Not Covered by GPA | 357,730 | 0.67 | 3.7 | 0.001 | 100 |
| Test-Statistic | 3.11 |  |  |  |  |
| P-value | 0.002 |  |  |  |  |

**Table OA. 10**

**Effect of the WTO GPA and Corruption on Procurement Efficiency: Lewbel (2012) Instrumental Variable GMM Estimation (Including outliers)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Excluding France and Poland** |  | **All Countries** |
|  | (1) | (2) |  | (3) | (4) |
| GPA Covered | 34,131.69 |  |  | 2,444,499,916.84 |  |
|  | (3.57)\*\* |  |  | (0.55) |  |
| Single Bidder |  | 2,780.57 |  |  | -794,277,441.57 |
|  |  | (0.27) |  |  | (0.20) |
| Number of Offers | -27.40 | 0.82 |  | -1,215,244.16 | 433,624.43 |
|  | (0.45) | (0.01) |  | (0.04) | (0.01) |
| accelerated negotiated | 3,163.34 | 4,730.06 |  | 2,894,924,138.55 | 3,186,128,586.16 |
|  | (0.03) | (0.05) |  | (0.06) | (0.07) |
| accelerated restricted | -178.34 | 1,508.43 |  | 1,286,099,564.32 | 2,470,241,188.32 |
|  | (0.00) | (0.03) |  | (0.05) | (0.11) |
| award without publication | -3,188.02 | 8,949.65 |  | -8014643853.00 | -6492970713.61 |
|  | (0.09) | (0.27) |  | (0.47) | (0.42) |
| competitive dialogue | 23,245.63 | 26,734.72 |  | -8043694160.43 | -6850510244.05 |
|  | (0.17) | (0.22) |  | (0.12) | (0.11) |
| negotiated with competition | 7,068.98 | -6,318.45 |  | 10630097611.84 | 8,829,289,850.30 |
|  | (0.00) | (0.00) |  | (0.01) | (0.01) |
| negotiated without comp. | 104,095.90 | 86,465.84 |  | -3652878135.86 | -2846109351.31 |
|  | (3.55)\*\* | (3.21)\*\* |  | (0.23) | (0.19) |
| restricted | -2,581.06 | 1,573.71 |  | 30,667.01 | 555,215,622.60 |
|  | (0.16) | (0.11) |  | (0.00) | (0.07) |
| Central government | -112.33 | 107.26 |  | 1,686,125,081.17 | 1,777,296,513.23 |
|  | (0.01) | (0.01) |  | (0.20) | (0.24) |
| Water, energy, transport | 147,198.28 | 147,843.67 |  | 7,558,379,840.21 | 6,789,604,090.28 |
|  | (6.65)\*\* | (7.29)\*\* |  | (0.74) | (0.73) |
| European Union institution | 13,247.63 | 14,357.65 |  | 3,072,227,164.03 | 2,822,366,373.07 |
|  | (0.27) | (0.31) |  | (0.10) | (0.10) |
| other international org. | 33,507.66 | 17,402.88 |  | -4903296079.83 | -3278899962.67 |
|  | (0.12) | (0.07) |  | (0.03) | (0.02) |
| governed by public law | 3,081.17 | -0.88 |  | 3,887,968,649.88 | 2,977,076,143.76 |
|  | (0.21) | (0.00) |  | (0.56) | (0.48) |
| Other | -301.64 | -1,289.30 |  | 3,694,068,030.29 | 2,653,758,825.64 |
|  | (0.02) | (0.09) |  | (0.52) | (0.42) |
| National or federal Agency | -7,080.71 | 204.45 |  | 2,931,651,979.66 | 3,140,474,870.97 |
|  | (0.25) | (0.01) |  | (0.18) | (0.21) |
| Regional or local Agency | -5,255.04 | -4,465.59 |  | 2,939,080,207.13 | 2,842,386,481.73 |
|  | (0.18) | (0.17) |  | (0.21) | (0.23) |
| Not specified | 10,668.83 | 6,213.34 |  | 328065575222.79 | 239920494926.16 |
|  | (0.13) | (0.11) |  | (12.83)\*\* | (11.44)\*\* |
| France |  |  |  | 37423758065.15 | 37706925256.34 |
|  |  |  |  | (3.33)\*\* | (3.75)\*\* |
| Poland |  |  |  | -1028290249.84 | -808,988,821.29 |
|  |  |  |  | (0.22) | (0.19) |
| Constant | -150,599.48 | -120,460.08 |  | -4855462668.68 | -2662255875.72 |
|  | (0.43) | (0.35) |  | (0.02) | (0.01) |
| R2 | 0.00 | 0.00 |  | 0.00 | 0.00 |
| Observations | 548,827 | 615,432 |  | 1,300,600 | 1,432,532 |
| Sectoral Fixed Effects | Yes | Yes |  | Yes | Yes |
| Year Fixed Effects | Yes | Yes |  | Yes | Yes |

\* p<0.05; \*\* p<0.01

**Table OA.11**

**Summary Statistics with and without Outliers**

|  |  |
| --- | --- |
|  | **Complete Dataset Including Outliers** |
| **Variable**  | **Number of Observations** | **Mean** | **Standard Deviation** | **Min.** | **Max.** |
| **Ratio** | 1,439,496 | 1.90e+09 | 2.09e+12 | 0 | 2.50e+15 |
| **Number of Bidders** | 1,439,518 | 7.9 | 60.05 | 1 | 1357 |
|  | **Excluding Outliers** |
| **Ratio** | 1,294,031 | 0.89 | 0.22 | 0.25 | 1.87 |
| **Number of Bidders** | 1,294,053 | 3.05 | 2.96 | 1 | 999 |

**Table OA.12**

**Effect of the WTO GPA and Corruption on Procurement Efficiency:**

**OLS Estimation of Linear Probability Model**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Excluding France and Poland** |  | **All Countries** |
|  | (1) | (2) |  | (4) | (5) |
| GPA Covered | -0.02 | -0.02 |  | -0.02 | -0.02 |
|  | (24.48)\*\* | (23.88)\*\* |  | (30.27)\*\* | (29.89)\*\* |
| Single Bidder |  | 0.03 |  |  | 0.05 |
|  |  | (21.40)\*\* |  |  | (61.52)\*\* |
| Number of Offers | -0.01 | -0.01 |  | -0.01 | -0.01 |
|  | (76.54)\*\* | (57.29)\*\* |  | (98.57)\*\* | (57.17)\*\* |
| accelerated negotiated | 0.06 | 0.06 |  | -0.01 | -0.01 |
|  | (5.96)\*\* | (6.16)\*\* |  | (1.59) | (1.69) |
| accelerated restricted | -0.03 | -0.03 |  | -0.02 | -0.01 |
|  | (6.15)\*\* | (5.15)\*\* |  | (4.40)\*\* | (2.46)\* |
| award without publication | 0.00 | 0.00 |  | -0.01 | -0.01 |
|  | (0.38) | (0.49) |  | (4.01)\*\* | (3.97)\*\* |
| competitive dialogue | 0.04 | 0.05 |  | 0.08 | 0.09 |
|  | (2.99)\*\* | (3.57)\*\* |  | (6.22)\*\* | (7.45)\*\* |
| negotiated with competition | -0.14 | -0.13 |  | -0.11 | -0.09 |
|  | (0.61) | (0.56) |  | (0.41) | (0.34) |
| negotiated without comp. | 0.02 | 0.02 |  | 0.01 | 0.02 |
|  | (6.55)\*\* | (8.38)\*\* |  | (3.04)\*\* | (6.23)\*\* |
| restricted | -0.02 | -0.01 |  | -0.00 | 0.01 |
|  | (10.40)\*\* | (7.27)\*\* |  | (1.37) | (5.23)\*\* |
| Central government | 0.01 | 0.00 |  | 0.01 | 0.01 |
|  | (3.19)\*\* | (2.65)\*\* |  | (4.91)\*\* | (4.50)\*\* |
| Water, energy, transport | -0.00 | -0.00 |  | 0.03 | 0.03 |
|  | (0.77) | (0.71) |  | (16.03)\*\* | (17.34)\*\* |
| European Union institution | 0.01 | 0.01 |  | 0.00 | 0.01 |
|  | (2.14)\* | (2.40)\* |  | (0.89) | (1.37) |
| other international org. | 0.05 | 0.05 |  | 0.01 | 0.01 |
|  | (2.06)\* | (2.02)\* |  | (0.25) | (0.25) |
| governed by public law | 0.07 | 0.07 |  | 0.04 | 0.03 |
|  | (47.18)\*\* | (47.06)\*\* |  | (27.71)\*\* | (27.51)\*\* |
| Other | -0.01 | -0.01 |  | 0.01 | 0.01 |
|  | (9.75)\*\* | (9.74)\*\* |  | (8.51)\*\* | (8.21)\*\* |
| National or federal Agency | 0.02 | 0.02 |  | 0.00 | 0.00 |
|  | (6.03)\*\* | (6.00)\*\* |  | (1.60) | (1.51) |
| Regional or local Agency | -0.00 | -0.00 |  | -0.00 | -0.00 |
|  | (1.25) | (1.05) |  | (1.97)\* | (1.07) |
| Not specified | 0.03 | 0.03 |  | 0.05 | 0.05 |
|  | (3.74)\*\* | (3.86)\*\* |  | (9.97)\*\* | (10.39)\*\* |
| France |  |  |  | 0.04 | 0.04 |
|  |  |  |  | (18.81)\*\* | (21.00)\*\* |
| Poland |  |  |  | 0.06 | 0.06 |
|  |  |  |  | (73.63)\*\* | (69.54)\*\* |
| Constant | 0.37 | 0.35 |  | 0.41 | 0.38 |
|  | (11.01)\*\* | (10.52)\*\* |  | (10.67)\*\* | (9.82)\*\* |
| R2 | 0.04 | 0.04 |  | 0.04 | 0.04 |
| Observations | 474,060 | 474,060 |  | 1,170,234 | 1,170,234 |
| Sectoral Fixed Effects | Yes | Yes |  | Yes | Yes |
| Year Fixed Effects | Yes | Yes |  | Yes | Yes |

Notes: \* p<0.05; \*\* p<0.01

**Table OA.13**

**Summary Statistics for Different Sectors (CPV codes)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **GPA Covered** |  | **Not Covered By GPA** |
| **CPV Code** | **Sector Description** | **Number of Procurements** | **Average Number of Firms[[3]](#footnote-3)** | **Average Contract Value** |  | **Number of Procurements** | **Average Number of Firms** | **Average Contract Value** |
| **03** | Agricultural, farming, fishing, forestry and related products | 5,832 | 6.04 | 391566.3 |  | 4,153 | 3.81 | 203933.5 |
| **09** | Petroleum products, fuel, electricity and other sources of energy | 28,794 | 3.39 | 3936545 |  | 19,062 | 3.08 | 2052376 |
| **14** | Mining, basic metals and related products | 5,075 | 7.22 | 2.32e+07 |  | 3,867 | 4.17 | 401201.2 |
| **15** | Food, beverages, tobacco and related products | 64,640 | 6.28 | 3375922 |  | 44,311 | 5.11 | 619594.1 |
| **16** | Agricultural machinery | 2,750 | 4.02 | 162383.5 |  | 1,064 | 2.68 | 168585.3 |
| **18** | Clothing, footwear, luggage articles and accessories | 16,399 | 4.89 | 331710.2 |  | 6,335 | 5.49 | 319214.2 |
| **19** | Leather and textile fabrics, plastic and rubber materials | 3,078 | 4.74 | 482329.7 |  | 1,410 | 3.53 | 297815.7 |
| **22** | Printed matter and related products | 17,923 | 15.5 | 3056764 |  | 6,030 | 14.16 | 359529.9 |
| **24** | Chemical products | 43,703 | 14.75 | 2.57e+08 |  | 67,851 | 7.34 | 652664.1 |
| **30** | Office and computing machinery, equipment and supplies except furniture and software packages | 50,582 | 5.2 | 1.83e+08 |  | 31,801 | 4 | 4810347 |
| **31** | Electrical machinery, apparatus, equipment and consumables; lighting | 17,269 | 4.55 | 1546450 |  | 12,865 | 3.8 | 2051855 |
| **32** | Radio, television, communication, telecommunication and related equipment | 15,549 | 4.52 | 2069900 |  | 8,434 | 3.87 | 1334200 |
| **33** | Medical equipments, pharmaceuticals and personal care products | 360,072 | 9.21 | 7.65e+08 |  | 538,661 | 4.61 | 88182.94 |
| **34** | Transport equipment and auxiliary products to transportation | 65,922 | 4.4 | 2.69e+08 |  | 32,212 | 3.73 | 1199945 |
| **35** | Security, fire-fighting, police and defence equipment | 7,627 | 3.85 | 2170069 |  | 4,679 | 23.11 | 3055155 |
| **37** | Musical instruments, sport goods, games, toys, handicraft, art materials and accessories | 3,584 | 5.26 | 239691.3 |  | 1,412 | 5.11 | 187426.6 |
| **38** | Laboratory, optical and precision equipments (excl. glasses) | 27,482 | 3 | 264331.2 |  | 20,451 | 2.3 | 275696.6 |
| **39** | Furniture (incl. office furniture), furnishings, domestic appliances (excl. lighting) and cleaning products | 36,493 | 6.26 | 5.32e+15 |  | 13,631 | 4.57 | 190895.1 |
| **41** | Collected and purified water | 558 | 3.16 | 1314488 |  | 459 | 2.01 | 716796.9 |
| **42** | Industrial machinery | 13,254 | 3.61 | 803840 |  | 10,710 | 3.06 | 4.71e+10 |
| **43** | Machinery for mining, quarrying, construction equipment | 3,539 | 39.25 | 404288.6 |  | 5,643 | 3.91 | 537285.5 |
| **44** | Construction structures and materials; auxiliary products to construction (except electric apparatus) | 24,122 | 5 | 1636198 |  | 15,162 | 3.77 | 1092045 |
| **45** | Construction work | 201,053 | 12.5 | 2.24e+12 |  | 112,470 | 8.91 | 3187580 |
| **48** | Software package and information systems | 12,933 | 4.24 | 1619222 |  | 7,094 | 3.25 | 3195613 |
| **50** | Repair and maintenance services | 56,345 | 8.1 | 3.07e+07 |  | 32,154 | 4.72 | 8.75e+08 |
| **51** | Installation services (except software) | 1,883 | 7.93 | 1141989 |  | 862 | 3.68 | 1.26e+07 |
| **55** | Hotel, restaurant and retail trade services | 8,811 | 4.95 | 2446893 |  | 12,041 | 6.32 | 8474720 |
| **60** | Transport services (excl. Waste transport) | 77,810 | 18.99 | 3.29e+15 |  | 31,827 | 16.44 | 340387 |
| **63** | Supporting and auxiliary transport services; travel agencies services | 4,289 | 5 | 4622675 |  | 4,710 | 3.3 | 2314798 |
| **64** | Postal and telecommunications services | 15,522 | 4.23 | 2.56e+07 |  | 9,180 | 4.53 | 3663678 |
| **65** | Public utilities | 3,459 | 4.88 | 1.72e+07 |  | 3,901 | 2.61 | 2592017 |
| **66** | Financial and insurance services | 45,044 | 3.93 | 4.24e+09 |  | 25,309 | 3.45 | 5029749 |
| **70** | Real estate services | 3,981 | 7.59 | 3166257 |  | 4,273 | 65.19 | 2035680 |
| **71** | Architectural, construction, engineering and inspection services  | 76,900 | 10.61 | 891324.5 |  | 36,039 | 9.23 | 687393.5 |
| **72** | IT services: consulting, software development, Internet and support  | 42,286 | 9.12 | 1.37e+07 |  | 16,203 | 5.4 | 2024030 |
| **73** | Research and development services and related consultancy services  | 7,713 | 12.8 | 620413.5 |  | 4,509 | 4.54 | 972288.3 |
| **75** | Administration, defence and social security services  | 3,676 | 23.87 | 3654811 |  | 3,469 | 5.19 | 2.52e+07 |
| **76** | Services related to the oil and gas industry  | 884 | 2.94 | 8154487 |  | 887 | 2.87 | 5260210 |
| **77** | Agricultural, forestry, horticultural, aquacultural and apicultural services  | 31,172 | 9.43 | 5644158 |  | 62,000 | 3.67 | 1.21e+07 |
| **79** | Business services: law, marketing, consulting, recruitment, printing and security  | 57,599 | 14.55 | 4.97e+07 |  | 32,264 | 9.04 | 716601.9 |
| **80** | Education and training services  | 40,363 | 22.4 | 1945754 |  | 45,219 | 5.47 | 1.17e+07 |
| **85** | Health and social work services  | 23,556 | 183.1 | 3389680 |  | 47,275 | 12.99 | 1282155 |
| **90**  | Sewage, refuse, cleaning and environmental services  | 77,885 | 7.8 | 3746177 |  | 45,504 | 5.31 | 1144362 |
| **92** | Recreational, cultural and sporting services  | 4,972 | 4.93 | 699356.6 |  | 5,727 | 8.9 | 3888348 |
| **98** | Other community, social and personal services  | 5,374 | 6.86 | 4.84e+07 |  |  5,839 | 6.62 | 1083670 |
|  | Other CPV  |  99,238 | 10.59 | 8.99e+1 |  | 64,404 | 10.28 | 5707252 |
|  | **TOTAL** | 1,716,995 | 12.15 | 1.88e+14 |  | 1,463,363 | 6.16 | 3.49e+08 |

**Table OA.14**

**Winner Country (Country of the Firm)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | GPA Covered |  |  | Not Covered By GPA |  |
| Country | Frequency | Percent |  | Frequency | Percent |
| Afghanistan | 203 | 0.01 |  | 56 | 0 |
| Albania | 19 | 0 |  | 10 | 0 |
| Algeria | 9 | 0 |  | 6 | 0 |
| Andorra | 16 | 0 |  | 1 | 0 |
| Angola | 3 | 0 |  | 4 | 0 |
| Anguilla | 5 | 0 |  | 2 | 0 |
| Antigua and Barbuda | 2 | 0 |  | 0 | 0 |
| Argentina | 1 | 0 |  | 1 | 0 |
| Armenia | 162 | 0.01 |  | 4 | 0 |
| Aruba | 315 | 0.02 |  | 0 | 0 |
| Australia | 61 | 0 |  | 38 | 0 |
| Austria | 10,614 | 0.62 |  | 18,183 | 1.24 |
| Azerbaijan | 6 | 0 |  | 1 | 0 |
| Bahamas | 2 | 0 |  | 0 | 0 |
| Bahrain | 2 | 0 |  | 12 | 0 |
| Bangladesh | 3 | 0 |  | 2 | 0 |
| Barbados | 3 | 0 |  | 0 | 0 |
| Belarus | 11 | 0 |  | 32 | 0 |
| Belgium and Luxembourg | 33,585 | 1.96 |  | 12,005 | 0.82 |
| Benin | 8 | 0 |  | 6 | 0 |
| Bolivia | 1 | 0 |  | 0 | 0 |
| Bermuda | 0 | 0 |  | 1 | 0 |
| Bosnia and Herzegovina | 1 | 0 |  | 2 | 0 |
| Botswana | 1 | 0 |  | 1 | 0 |
| Brazil | 9 | 0 |  | 5 | 0 |
| British Virgin Islands | 4 | 0 |  | 2 | 0 |
| Brunei Darussalam | 0 | 0 |  | 1 | 0 |
| Bulgaria | 437 | 0.03 |  | 52,186 | 3.57 |
| Burkina Faso | 3 | 0 |  | 2 | 0 |
| Burma | 0 | 0 |  | 1 | 0 |
| Burundi | 4 | 0 |  | 1 | 0 |
| Cambodia | 0 | 0 |  | 1 | 0 |
| Canada | 313 | 0.02 |  | 163 | 0.0. |
| Cape Verde | 0 | 0 |  | 1 | 0 |
| Cayman Islands | 0 | 0 |  | 1 | 0 |
| Chad | 40 | 0 |  | 0 | 0 |
| Chile | 3 | 0 |  | 0 | 0 |
| China | 95 | 0.01 |  | 60 | 0 |
| Colombia | 2 | 0 |  | 1 | 0 |
| Congo | 2 | 0 |  | 1 | 0 |
| Costa Rica | 9 | 0 |  | 11 | 0 |
| Croatia | 175 | 0.01 |  | 14,214 | 0.97 |
| Cuba | 0 | 0 |  | 1 | 0 |
| Cyprus | 6,431 | 0.37 |  | 252 | 0.02 |
| Czech Republic | 36,249 | 2.11 |  | 26,807 | 1.83 |
| Côte d'Ivoire | 5 | 0 |  | 0 | 0 |
| Denmark | 27,593 | 1.61 |  | 8,960 | 0.61 |
| Djibouti | 3 | 0 |  | 1 | 0 |
| Dominican Republic | 0 | 0 |  | 3 | 0 |
| Ecuador | 0 | 0 |  | 3 | 0 |
| Egypt | 8 | 0 |  | 5 | 0 |
| El Salvador | 13 | 0 |  | 7 | 0 |
| Eritrea | 0 | 0 |  | 1 | 0 |
| Estonia | 7,745 | 0.45 |  | 7,627 | 0.52 |
| Ethiopia | 4 | 0 |  | 3 | 0 |
| Falkland Islands | 4 | 0 |  | 4 | 0 |
| Faroe Islands | 4 | 0 |  | 0 | 0 |
| Fiji | 2 | 0 |  | 0 | 0 |
| Finland | 10,071 | 0.59 |  | 4,872 | 0.33 |
| France | 618,328 | 36.02 |  | 95,276 | 6.51 |
| French Guiana | 74 | 0 |  | 189 | 0.01 |
| French Polynesia | 1 | 0 |  | 10 | 0 |
| Gabon | 4 | 0 |  | 0 | 0 |
| Gambia | 1 | 0 |  | 0 | 0 |
| Georgia | 12 | 0 |  | 10 | 0 |
| Germany | 141,660 | 8.25 |  | 109,460 | 7.48 |
| Ghana | 0 | 0 |  | 6 | 0 |
| Gibraltar | 7 | 0 |  | 9 | 0 |
| Greece | 25,493 | 1.49 |  | 3,396 | 0.23 |
| Greenland | 9 | 0 |  | 0 | 0 |
| Guadeloupe | 939 | 0.05 |  | 88 | 0.01 |
| Haiti | 0 | 0 |  | 2 | 0 |
| Hong Kong | 29 | 0 |  | 10 | 0 |
| Hungary | 35,837 | 2.09 |  | 17,205 | 1.18 |
| Iceland | 682 | 0.04 |  | 292 | 0.02 |
| India | 137 | 0.01 |  | 75 | 0.01 |
| Indonesia | 3 | 0 |  | 1 | 0 |
| Iran | 16 | 0 |  | 6 | 0 |
| Iraq | 1 | 0 |  | 0 | 0 |
| Ireland | 19,344 | 1.13 |  | 3,410 | 0.23 |
| Israel | 84 | 0 |  | 44 | 0 |
| Italy | 38,259 | 2.23 |  | 67,188 | 4.59 |
| Jamaica | 1 | 0 |  | 1 | 0 |
| Japan | 73 | 0 |  | 56 | 0 |
| Jordan | 5 | 0 |  | 2 | 0 |
| Kazakstan | 3 | 0 |  | 4 | 0 |
| Kenya | 14 | 0 |  | 26 | 0 |
| Korea | 43 | 0 |  | 24 | 0 |
| Korea, Dem. People's Rep. of | 5 | 0 |  | 0 | 0 |
| Kyrgyzstan | 0 | 0 |  | 4 | 0 |
| Lao People's Democratic Republic | 1 | 0 |  | 0 | 0 |
| Latvia | 77,360 | 4.51 |  | 1,673 | 0.11 |
| Lebanon | 4 | 0 |  | 9 | 0 |
| Lesotho | 2 | 0 |  | 0 | 0 |
| Liberia | 3 | 0 |  | 1 | 0 |
| Libyan Arab Jamahiriya | 0 | 0 |  | 1 | 0 |
| Lithuania | 77,172 | 4.5 |  | 2,400 | 0.16 |
| Luxembourg | 2,146 | 0.13 |  | 797 | 0.05 |
| Macedonia (the former Yugoslav Rep. of) | 104 | 0.01 |  | 1,211 | 0.08 |
| Malaysia | 4 | 0 |  | 2 | 0 |
| Mali | 0 | 0 |  | 1 | 0 |
| Malta | 1,034 | 0.06 |  | 92 | 0.01 |
| Marshall Islands | 0 | 0 |  | 1 | 0 |
| Martinique | 407 | 0.02 |  | 28 | 0 |
| Mauritania | 3 | 0 |  | 0 | 0 |
| Mauritius | 17 | 0 |  | 9 | 0 |
| Mexico | 1 | 0 |  | 1 | 0 |
| Micronesia (Federated States of) | 1 | 0 |  | 1 | 0 |
| Moldova, Rep.of | 3 | 0 |  | 12 | 0 |
| Mongolia | 1 | 0 |  | 0 | 0 |
| Morocco | 11 | 0 |  | 0 | 0 |
| Mozambique | 3 | 0 |  | 0 | 0 |
| Namibia | 1 | 0 |  | 0 | 0 |
| Nauru | 3 | 0 |  | 0 | 0 |
| Nepal | 0 | 0 |  | 1 | 0 |
| Netherland Antilles | 23 | 0 |  | 2 | 0 |
| Netherlands | 43,162 | 2.51 |  | 13,113 | 0.9 |
| New Caledonia | 5 | 0 |  | 1 | 0 |
| New Zealand | 12 | 0 |  | 9 | 0 |
| Nicaragua | 0 | 0 |  | 1 | 0 |
| Niger | 2 | 0 |  | 4 | 0 |
| Nigeria | 19 | 0 |  | 61 | 0 |
| Niue | 0 | 0 |  | 1 | 0 |
| Norfolk Island | 1 | 0 |  | 0 | 0 |
| Northern Mariana Islands | 2 | 0 |  | 0 | 0 |
| Norway | 24,736 | 1.44 |  | 1,461 | 0.1 |
| Oman | 1 | 0 |  | 3 | 0 |
| Pakistan | 12 | 0 |  | 8 | 0 |
| Palau | 2 | 0 |  | 0 | 0 |
| Palestine | 1 | 0 |  | 0 | 0 |
| Panama | 4 | 0 |  | 12 | 0 |
| Papua New Guinea | 1 | 0 |  | 0 | 0 |
| Peru | 2 | 0 |  | 1 | 0 |
| Philippines | 2 | 0 |  | 0 | 0 |
| Poland | 152,975 | 8.91 |  | 710,047 | 48.53 |
| Portugal | 1,429 | 0.08 |  | 7,511 | 0.51 |
| Puerto Rico | 2 | 0 |  | 0 | 0 |
| Qatar | 1 | 0 |  | 0 | 0 |
| Reunion | 1,315 | 0.08 |  | 214 | 0.01 |
| Romania | 56,473 | 3.29 |  | 101,910 | 6.96 |
| Russian Federation | 211 | 0.01 |  | 67 | 0 |
| Saint Helena | 0 | 0 |  | 1 | 0 |
| Saint Kitts and Nevis | 1 | 0 |  | 0 | 0 |
| Saint Vincent and the Grenadines | 0 | 0 |  | 1 | 0 |
| San Marino | 43 | 0 |  | 37 | 0 |
| Saudi Arabia | 3 | 0 |  | 2 | 0 |
| Senegal | 5 | 0 |  | 1 | 0 |
| Seychelles | 2 | 0 |  | 1 | 0 |
| Sierra Leone | 4 | 0 |  | 5 | 0 |
| Singapore | 25 | 0 |  | 6 | 0 |
| Slovakia | 10,064 | 0.59 |  | 13,146 | 0.9 |
| Slovenia | 575 | 0.03 |  | 40,143 | 2.74 |
| Solomon Islands | 0 | 0 |  | 1 | 0 |
| South Africa | 55 | 0 |  | 20 | 0 |
| Spain | 38,771 | 2.26 |  | 38,714 | 2.65 |
| Sri Lanka | 15 | 0 |  | 4 | 0 |
| Sudan | 1 | 0 |  | 0 | 0 |
| Suriname | 6 | 0 |  | 4 | 0 |
| Swaziland | 4 | 0 |  | 2 | 0 |
| Sweden | 36,573 | 2.13 |  | 6,590 | 0.45 |
| Switzerland | 12,806 | 0.75 |  | 3,438 | 0.23 |
| Taiwan | 11 | 0 |  | 3 | 0 |
| Tajikistan | 1 | 0 |  | 2 | 0 |
| Tanzania, United Rep. of | 4 | 0 |  | 0 | 0 |
| Thailand | 8 | 0 |  | 41 | 0 |
| Tokelau | 2 | 0 |  | 0 | 0 |
| Trinidad and Tobago | 1 | 0 |  | 0 | 0 |
| Tunisia | 8 | 0 |  | 3 | 0 |
| Turkey | 56 | 0 |  | 60 | 0 |
| Turkmenistan | 3 | 0 |  | 0 | 0 |
| Turks and Caicos Islands | 3 | 0 |  | 2 | 0 |
| Tuvalu | 2 | 0 |  | 0 | 0 |
| Uganda | 8 | 0 |  | 1 | 0 |
| Ukraine | 16 | 0 |  | 29 | 0 |
| United Arab Emirates | 32 | 0 |  | 23 | 0 |
| United Kingdom | 162,132 | 9.44 |  | 77,119 | 5.27 |
| United States of America | 1,371 | 0.08 |  | 783 | 0.05 |
| Uruguay | 12 | 0 |  | 10 | 0 |
| Uzbekistan | 4 | 0 |  | 6 | 0 |
| Vanuatu | 2 | 0 |  | 1 | 0 |
| Venezuela | 1 | 0 |  | 0 | 0 |
| Viet Nam | 6 | 0 |  | 1 | 0 |
| Wallis and Futuna | 0 | 0 |  | 1 | 0 |
| Zambia | 6 | 0 |  | 2 | 0 |
| Zimbabwe | 6 | 0 |  | 5 | 0 |
| Total | 1,716,611 | 100 |  | 1,463,235 | 100 |

1. Procedure information is missing for some of the contracts. [↑](#footnote-ref-1)
2. 347,942 firms won both GPA covered and non-GPA contracts. [↑](#footnote-ref-2)
3. Many firms submit bids in multiple sectors. [↑](#footnote-ref-3)