

# Rámcová dohoda č. Z202313237\_Z

predmet zákazky: "Špeciálny spotrebný materiál a inštalácia pre súbor prístrojov "

Objednávka č. 3

Dátum: 8.12.2023

Štátny geologický ústav Dionýza Štúra  
Mlynská dolina 1, 817 04 Bratislava

Miesto dodania: Štátny geologický ústav Dionýza Štúra, regionálne centrum Spišská Nová Ves, Markušovská cesta 1, Spišská Nová Ves

Špeciálny spotrebný materiál a inštalácia pre súbor prístrojov pre potreby Projektu: Geologický prieskum vybraných environmentálnych záťaží 4 - ŠGÚDŠ, ITMS kód projektu: 310011BQV6

| Názov produktu  | Množstvo | MJ       | Jednot. cena v € bez DPH | Celková cena v € bez DPH | Sadzba DPH % | Výška DPH v € | Celková cena v € s DPH |
|---|----------|----------|--------------------------|--------------------------|--------------|---------------|------------------------|
| <b>2. Plynový chromatograf Agilent GC 7890B, MSD 5977B, GERSTEL Twister® System</b>                             |          |          |                          |                          |              |               |                        |
| 2.1 Indicator color change gas clean filter   | 1,00     | ks       | 313,00                   | 313,00                   | 0,20         | 62,60         | 375,60                 |
| 2.2 Column nut, universal Agilent inlets or detectors 2/PK  | 1,00     | ks       | 39,00                    | 39,00                    | 0,20         | 7,80          | 46,80                  |
| 2.3 Bleed/Temp optimized NonStick injection port septa 11 mm, max temp 400c in Blister, 50ks/bal (balenie 50ks) | 1,00     | bal/50ks | 107,00                   | 107,00                   | 0,20         | 21,40         | 128,40                 |
| 2.4 Column Nut, MS interface  | 1,00     | ks       | 24,00                    | 24,00                    | 0,20         | 4,80          | 28,80                  |
| <b>3. TEKMAR - AQUATek 100 Purge and Trap Autosampler, LUMIN - Stratum Purge and Trap Concentrator</b>          |          |          |                          |                          |              |               |                        |
| 3.2 PTFE ferule 1/4in   | 1,00     | ks       | 46,00                    | 46,00                    | 0,20         | 9,20          | 55,20                  |
| <b>6. Optický emisný spektrometer s ICP 5110 Agilent</b>  |          |          |                          |                          |              |               |                        |
| 6.5 Easy-fit torch one piece 5100 DV ICP-OES  | 1,00     | ks       | 1 066,00                 | 1 066,00                 | 0,20         | 213,20        | 1 279,20               |
| 6.6 EasyFit VDV torch, 1.8mm ID inert fully demountable   | 1,00     | ks       | 2 086,67                 | 2 086,67                 | 0,20         | 417,33        | 2 504,00               |
| 6.7 Filter Argon ICP-OES 5100 Series  | 1,00     | ks       | 251,00                   | 251,00                   | 0,20         | 50,20         | 301,20                 |
| 6.8 Replacement glass, quartz, for the axial view   | 1,00     | ks       | 157,00                   | 157,00                   | 0,20         | 31,40         | 188,40                 |
| <b>7. Optický emisný spektrometer s ICP MS 7900, Agilent</b>  |          |          |                          |                          |              |               |                        |

|   |      |            |          |          |      |        |          |
|---|------|------------|----------|----------|------|--------|----------|
| 7.14 Tube and connector, EzyFit, 0.5 mm ID, 700 mm capillary, for MicroMist concentric nebulizer, 10/pk (balenie 10ks)          | 1,00 | bal/10ks   | 321,00   | 321,00   | 0,20 | 64,20  | 385,20   |
| 7.16 Oil for MS40+ foreline pump.   | 1,00 | ks         | 132,00   | 132,00   | 0,20 | 26,40  | 158,40   |
| 7.17 Oil Mist Filter element, MS40+.  | 1,00 | ks         | 247,00   | 247,00   | 0,20 | 49,40  | 296,40   |
| 7.18 Sample probe, 0.8 mm ID, ASX-500 autosampler, red band.  | 1,00 | ks         | 568,00   | 568,00   | 0,20 | 113,60 | 681,60   |
| 7.19 Tubing and connector kit, drain pump, Tygon, ASX-500 autosampler.  | 1,00 | ks         | 137,00   | 137,00   | 0,20 | 27,40  | 164,40   |
| 7.21 Peristaltic pump tubes, 2 bridged blue/blue, PVC, Length: 450mm, 1.65 mm, 12/pk. (balenie 12ks)                            | 1,00 | bal/12ks   | 57,00    | 57,00    | 0,20 | 11,40  | 68,40    |
| 7.22 Indicator color change gas clean filter  | 1,00 | ks         | 313,00   | 313,00   | 0,20 | 62,60  | 375,60   |
| 7.23 Coolant for recirculation cooler 2 x 3.8L. (balenie 2,5 gal.)  | 1,00 | bal/2,5gal | 215,00   | 215,00   | 0,20 | 43,00  | 258,00   |
| 7.24 Air filter for recirculation cooler G3292.   | 1,00 | ks         | 93,00    | 93,00    | 0,20 | 18,60  | 111,60   |
| 7.25 Peristaltic pump tubes, 2 bridged white/white, clear PVC, 1.02 mm, 12/pk. (balenie 12ks)                                   | 1,00 | bal/12ks   | 136,00   | 136,00   | 0,20 | 27,20  | 163,20   |
| 7.26 Peristaltic pump tubes for Internal Standard, 2 bridged orange/blue, clear PVC, 0.25 mm, flared end, 12/pk. (balenie 12ks) | 1,00 | bal/12ks   | 238,00   | 238,00   | 0,20 | 47,60  | 285,60   |
| 7.27 Long life Pt shield, ICP-MS ShieldTorch For use with Agilent ICP-MS models, 1/pk. Use with ShieldTorch bonnet              | 1,00 | ks         | 1 965,00 | 1 965,00 | 0,20 | 393,00 | 2 358,00 |
| 7.28 Electron multiplier for Agilent ICP-MS 7900  | 1,00 | ks         | 3 788,00 | 3 788,00 | 0,20 | 757,60 | 4 545,60 |
| 7.29 ICP-MS maintenance lens polishing paper, 5 sheets each of waterproof polishing paper number 400 and 1200.                  | 1,00 | bal        | 179,00   | 179,00   | 0,20 | 35,80  | 214,80   |
| 7.30 Quartz connector from spray chamber to torch with dilution port for high matrix introduction.                              | 1,00 | ks         | 377,00   | 377,00   | 0,20 | 75,40  | 452,40   |
| 7.31 Detergent for cleaning interface cones and lenses, 3.8L.   | 1,00 | bal/gal    | 141,00   | 141,00   | 0,20 | 28,20  | 169,20   |
| <b>9. Iónový chromatograf - IC 940 Professional Vario, Metrohm AG</b>   |      |            |          |          |      |        |          |
| 9.9 Metrosep A Supp 5 - 150/4.0   | 1,00 | ks         | 3 107,40 | 3 107,40 | 0,20 | 621,48 | 3 728,88 |
| <b>10. Spektrofotometer - Haach DR 5000, DR 6000</b>  |      |            |          |          |      |        |          |
| 10.3 Súprava hadičiek pre modul SIP 10 DR 6000, kyseline odolných   | 1,00 | ks         | 306,00   | 306,00   | 0,20 | 61,20  | 367,20   |
| 10.4 Súprava hadičiek pre modul SIP 10 DR 6000, pre pitné vody  | 1,00 | ks         | 306,00   | 306,00   | 0,20 | 61,20  | 367,20   |
| <b>11. Automatický titrátor TitroLine 7000</b>  |      |            |          |          |      |        |          |

|  |      |    |        |                 |      |        |                 |
|--|------|----|--------|-----------------|------|--------|-----------------|
| 11.4 20 ml exchangeable unit with integrated chip for reagent data, with brown glass bottle for titrant, GL 45 and S 40-bottle adapter, tubes, drip tube and titration tip | 1,00 | ks | 980,00 | 980,00          | 0,20 | 196,00 | 1 176,00        |
| 11.5 Tube set  | 1,00 | ks | 185,00 | 185,00          | 0,20 | 37,00  | 222,00          |
| 11.6 PTFE piston with piston rod for 20 ml burette cylinder  | 1,00 | ks | 175,00 | 175,00          | 0,20 | 35,00  | 210,00          |
| 11.7 DURAN® burette cylinder 20 ml, with UV-protection and screw threads, colourless   | 1,00 | ks | 290,00 | 290,00          | 0,20 | 58,00  | 348,00          |
| <b>14. Automatická destilačná jednotka UDK 149 + TitroLine Easy</b>  |      |    |        |                 |      |        |                 |
| 14.1 Deflegmačná nádoba komplet s inštaláciou  | 1,00 | ks | 910,00 | 910,00          | 0,20 | 182,00 | 1 092,00        |
| 14.2 Trojcestný ventil   | 1,00 | ks | 683,00 | 683,00          | 0,20 | 136,60 | 819,60          |
| 14.3 Biela hadica na NaOH  | 1,00 | ks | 285,00 | 285,00          | 0,20 | 57,00  | 342,00          |
| 14.4 Čerpadlo NaOH   | 1,00 | ks | 220,00 | 220,00          | 0,20 | 44,00  | 264,00          |
| 14.5 Byreta - DURAN® burette cylinder 20 ml, s UV ochranou (UV-protection and screw threads, colourless)   | 1,00 | ks | 845,00 | 845,00          | 0,20 | 169,00 | 1 014,00        |
| 14.6 Elektr. ventil chladiacej vody s prietokomerom  | 1,00 | ks | 440,00 | 440,00          | 0,20 | 88,00  | 528,00          |
| 14.7 Čerpadlo H <sub>2</sub> O   | 1,00 | ks | 136,00 | 136,00          | 0,20 | 27,20  | 163,20          |
| 14.8 Expanzná nádoba s izoláciou   | 1,00 | ks | 196,03 | 196,03          | 0,20 | 39,21  | 235,24          |
| <b>Celková cena</b>  |      |    |        | <b>22061,10</b> |      |        | <b>26473,32</b> |