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EQUIPMENT PROCUREMENT REPORT

AFISHE

**TITLE: DEVELOPMENT OF AQUACULTURE AND FISHERIES EDUCATION FOR GREEN
DEAL IN ARMENIA AND UKRAINE: FROM EDUCATION TO ECOLOGY**

PROJECT NUMBER: 101082557

ERASMUS+ CAPACITY BUILDING PROJECT IN THE FIELD OF HIGHER EDUCATION

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WP4 DESCRIPTION (LEAD – ISEC NAS RA, ASSISTED BY SUA)

4.1 Purchasing the equipment and establishment of laboratories at AM and UKR universities

4.2 Installation and implementation of the purchased equipment at the laboratories

Work package 4 is about development of infrastructure. The Armenian universities, i.e. Armenian National Agrarian universities and International Scientific-Educational Center of NAS RA and Ukrainian universities, i.e. Sumy National Agrarian University and National University of Water and Environmental Engineering will get equipment, which is necessary for establishment the laboratories. The equipment purchase shall be implemented in the line of Erasmus+ rules and local rules, which are presented by Armenian and Ukrainian governments. By the end of the first year the partner universities need to acquire proper laboratory equipment to establish the labs with modern equipment (hardware) and software to build and modernize the academic environment as a platform for training and retraining of master's student and PhDs, as well as for lifelong learning purposes.

The targeted HEIs in AM and UKR will use the laboratories to execute practical-based teaching but they can also function as aquaculture and fishery research centers. Universities will be able to assist businesses, participate actively in their activities, and contribute to the resolution of environmental challenges. All of this will increase the links between universities and the labor market/businesses, bringing them closer together and allowing them to collaborate and operate using scientific-based and ecology-based approaches.

Moreover, in the future, these new facilities and trained teaching staff in AM and UKR universities will provide also the chance to offer short retraining programs aimed at students, professionals, researchers, instructors, and anyone, who want to obtain aquaculture and fishery new skills and knowledge.

INFORMATION ABOUT TENDER PROCEDURES

The tender procedure in Armenia includes the following stages:

At the stage of attracting bids the tender is announced – the customer publishes information about the opening of the tender and sends the relevant notices. Then participants appear, whose aim is to conclude a contract with the customer. The bid must contain a statement of compliance with the requirements of the invitation, a price proposal, bid security, a non-price proposal (technical proposal), if provided for in the invitation. Among other things, bidders shall collect a package of documents in compliance with the tender requirements.

The organizer of the competition collects envelopes from the bidders. A working group for envelopes opening will be formed. The evaluation group analyzes the applicants for compliance to the contest criteria and assigns points to the participants. A preliminary winner is selected. Then the competition is announced and the winner is determined. Based on the results of this procedure, the evaluation committee decides on the winner of the tender. The customer concludes a contract with the winner of the tender.

INTERNATIONAL SCIENTIFIC-EDUCATIONAL CENTER OF NAS RA (ISEC NAS RA)

After making some adjustments to the equipment list because of the following reasons such as the acquisition of similar pieces of equipment within the frameworks of other projects, new ban of the ministry on the import of electrofishers etc, finalizing the equipment list and receiving the final approval by the Project Coordinator and Project Officer, ISEC NAS RA published its call for tender which can be found at: https://www.isec.am/en/articles/events/announcement_28082023.html

As a result of this procurement, a total saving of 10,262 Euros was available. After receiving the permission of the Project Coordinator and Project Officer, ISEC NAS RA published a new call for tender which can be found at: https://www.isec.am/en/articles/events/announcement_12022024.html

As a result of this tender, a new contract ՊՍՍՊՎՍՎ-24/1-1 was signed in the amount of 3,550,000 AMD (8,590.441621294616 Euros) for the procurement of Microplate Absorbance Reader with accessories.

ARMENIAN NATIONAL AGRARIAN UNIVERSITYA (ANAU)

To purchase equipment ANAU announced 2 tender calls, because after the first one there were a residual number of finances.

The first tender call was announced on 23 August 2023

(<https://www.armeps.am/epps/cft/prepareViewCfTWS.do?resourceId=9659290>, Code of the Request for Quotation: ՅՍՍՅ-ԳՅՍԴԶԲ-23/126). By the order of ANAU Rector an evaluation committee was formed.

As a result of 1st tender, ANAU purchased the following equipment from PF Group LTD:

	Equipment	Price (EUR)	Provider
1.	Water quality testing device MultiLab/4010-2W/YSI	9994	PF Group LTD
2.	Spectrophotometer AquaMate 7100Vis/AQ7 100/Thermo Fisher Scientific	6655	
3.	Thermoreactor for determination COD AQUAfast/COD165/Thermo Fisher Scientific	3678	
4.	Turbidimeter/AQ4500/ Thermo Fisher Scientific	4520	
5.	Stereo Microscope with Digital Camera/SZ8 10T, ULOiS-14PA/Ningbo Icoe Commodity Co.,Ltd	3407	
6.	Nageotte camera 40446002/ Counting chamber Nageotte/Glaswarenfabrik Karl Hecht GmbH and C. KG	56.8	
7.	Trinocular Microscope, Digital Camera/BM36T	727	
	Total (without fine)	29038	
	Total (actual paid)	24971	

The total price for the first payment made up 29,038 EUR, but as the delivering company delayed the delivering process, according to Agreement and rule they were fined and the actual payment became 24,971 EUR.

In order to use the residual finances, ANAU announced the second tender on 25 March 2024 (<https://www.armeps.am/epps/cft/prepareViewCfTWS.do?resourceId=10297911>). According to the evaluation and eligibility of the tender participants, ANAU will purchase the following equipment:

	Equipment	Price (AMD)	Provider
1.	Ammonium Laboratory Electrode Kit	483333	Prima Lab LTD
2.	Chloride Laboratory Electrode Kit	950000	GM JET Service LLC
3.	Fluoride Laboratory Electrode Kit	950000	GM JET Service LLC
4.	OXYGEN METER: Applications for: Aquarium, Agriculture, Fish hatcheries	590000	TNM LTD
	Total	2973333	

The distribution of the second tender equipment will be implemented in May-June 2024.

SUMY NATIONAL AGRARIAN UNIVERSITY (SNAU)

Being the Customer, SNAU is obliged to comply with the current Law of Ukraine in the sphere of Public procurement according to the Law on Public procurement and Resolution No. 1178 dated October 12, 2022.

Value limits are established for the Procurement of goods, considering the Unified procurement dictionary DK 021:2015 according to the 11th paragraph of Resolution No. 1178. Purchases of goods up to 100 000 hryvnias are carried out without using the electronic procurement system (the report on the concluded contract is only made public). Purchases of goods whose value exceeds 100 000 hryvnias are carried out through open tendering.

If the open tenders did not take place due to the lack of Suppliers, the Customer (SNAU) can conclude a direct contract without using a tender according to the 13th paragraph of Resolution No. 1178

The following contracts were concluded through the open tendering: №19-12, №27-12, №5-12, №1-12-1. The following contracts were concluded without using the electronic procurement system: №14-12-7, №15-12-4, №15-12, №15-12-6, №11-12, №14-12-10, №14-12, №14-12-2, №14-12-9, №14-12-5, №14-12-4, №14-12-3, №6-12-1, 14-12-6.

NATIONAL UNIVERSITY OF WATER AND ENVIRONMENTAL ENGINEERING (NUWEE)

As part of the implementation of the AFISHE project, two laboratories (Intensive Aquaculture Laboratory and Aquaculture Feed Laboratory) are being created now in NUWEE. Both laboratories will use modern ecological biotechnologies aimed at reducing pollution of the natural environment through the bioconversion of aquaculture waste for the production of live feeds and their optimal use. The labs will serve as a platform for student education, professional development, and retraining of specialists. Here, in addition to carrying on

practical and laboratory classes, cooperation with business and non-commercial structures in the field of aquaculture is expected.

The Intensive Aquaculture Laboratory (IAL) will present a mini RAS with an innovative scheme for the biological treatment of circulating water. This complex involves the cultivation of live feed for aquaculture in bioreactors belonging to the block of RAS treatment facilities.

The laboratory will provide practical training in the modules "Integrated multitrophic aquaculture", "Technical equipment of aquaculture", and "Recirculating aquaculture" of the updated educational program "Protection, reproduction and rational use of hydrobioresources" under the AFISHE project. In addition to providing practical training, this complex will allow for solving individual tasks set by local businesses and establishing close cooperation with industrial enterprises of the industry.

The areas in which the laboratory can provide training and internships are:

- Modern technologies of water purification in RAS;
- Technologies of intensive cultivation of fish and crustaceans;
- Automation of the main production processes in RAS;
- Plant product cultivation in an integrated aquaculture complex by the principles of IMTA.

Aquaculture Feed Laboratory (AFL). The main tasks of the laboratory are conducting research and substantiating new feed formulations developed by IMTA principles and also providing mini-RAS feed. The main part of the AFL is the Fish Feed Production Line.

The line provides all technological stages of preparation of compound feed for fish, so students will be able to observe the processes of transformation of raw materials into finished products during practical training. Cooperation with the business will consist of researching the effectiveness of feeds from local resources and according to the latest formulations, granulation of feeds from the customer's raw materials, and determination of the specific load on RAS as a result of feeding feeds.

The equipment was purchased by NUWEE according to the legislation of Ukraine. Part of the equipment was purchased through the conclusion of direct purchase and sale contracts, and the other part - through tender procurement. The list of equipment has been slightly changed compared to the grant application (old list) mostly due to price increases (tabl. 1).

The Law of Ukraine "On Public Procurement" establishes the legal and economic principles of purchasing goods, works, and services for the university. The main purpose of this Law is to ensure efficiency and transparency in procurement, to create a competitive environment in the field of public procurement, as well as to prevent corruption, and develop fair competition.

In compliance with the requirements of the Law of Ukraine "On Public Procurement" and Resolution of the CMU dated October 12, 2022 No. 1178 "On approval of the specifics of public procurement of goods, works and services for customers provided for by the Law of Ukraine "On Public Procurement", for the period of legal of the martial law regime in Ukraine and within 90 days from the date of its termination or cancellation" purchases take place on the portal <https://prozorro.gov.ua/>

1. Procurement - Plastic pools, biofilter, plastic trays, phytoreactor and related goods (<https://prozorro.gov.ua/tender/UA-2023-09-04-011264-a>).
2. Procurement - Lamps and lighting fittings (<https://prozorro.gov.ua/tender/UA-2023-09-05-010703-a>).

During the procurement, an auction was used to reduce the price. The price reduction auction is one of the stages of procurement conducted using the electronic public procurement system. The date and time of the auction are determined by the system automatically, without human intervention. Until the start of the auction, we do not see the number of submitted tender offers. After the end of the auction, information about all Suppliers is opened and the system determines the most economically advantageous offer.

3. Procurement - Complex for the production of loose fodder (<https://prozorro.gov.ua/tender/UA-2023-08-23-011629-a>). The procurement did not take place.

In accordance with subsection 6 of paragraph 13 of the Resolution of the CMU of October 12, 2022 No. 1178 "On approval of the specifics of public procurement of goods, works and services for customers, provided for by the Law of Ukraine "On Public Procurement", if open tenders are canceled due to the failure to submit any tender offer, it is possible to conclude a direct contract for an amount that does not exceed the announced purchase. Accordingly, direct procurement was carried out (<https://prozorro.gov.ua/tender/UA-2023-11-09-013960-a>).

The customer has the opportunity to purchase without using the electronic procurement system, by concluding so-called "direct" contracts. But all contracts must be posted on the portal <https://prozorro.gov.ua/>. References to contracts:

<https://prozorro.gov.ua/tender/UA-2023-10-05-012753-a>
<https://prozorro.gov.ua/tender/UA-2023-10-05-013265-a>
<https://prozorro.gov.ua/tender/UA-2023-10-11-014205-a>
<https://prozorro.gov.ua/tender/UA-2023-10-19-012228-a>
<https://prozorro.gov.ua/tender/UA-2023-10-19-012927-a>
<https://prozorro.gov.ua/tender/UA-2023-10-19-013552-a>

LIST OF PURCHASED EQUIPMENT AND ACCESSORIES

	Name of Equipment	Quantity	Delivered day	Contract number and provider	Price (EUR)
ANAU					
1.	Water quality testing device MultiLab/4010-2W/YSI	1	25.12.2023	ՀԱԱՀ-ԳՀԱՊՁԲ-23/126 PF Group LTD	9994
2.	Spectrophotometer AquaMate 7100Vis/AQ7 100/Thermo Fisher Scientific	1	25.12.2023		6655
3.	Thermoreactor for determination COD AQUAfast/COD165/Thermo Fisher Scientific	1	25.12.2023		3678
4.	Turbidimeter/AQ4500/ Thermo Fisher Scientific	1	25.12.2023		4520
5.	Stereo Microscope with Digital Camera/SZ8 10T, ULOiS-14PA/Ningbo Icoe Commodity Co.,Ltd	1	25.12.2023		3407
6.	Nageotte camera 40446002/ Counting chamber Nageotte/Glaswarenfabrik Karl Hecht GmbH and C. KG	1	25.12.2023		56.8
7.	Trinocular Microscope, Digital Camera/BM36T	1	25.12.2023		727
	Total (EUR), actually paid after fine				24971
8.	Ammonium Laboratory Electrode Kit	1	Expected in May-June 2024	Prima Lab LTD	483333
9.	Chloride Laboratory Electrode Kit	1		GM JET Service LLC	950000
10.	Fluoride Laboratory Electrode Kit	1		GM JET Service LLC	950000
11.	OXYGEN METER: Applications for: Aquarium, Agriculture, Fish hatcheries	1		TNM LTD (ՏՆՄ ՍՊԸ)	590000
	Total (AMD)				2973333
ISEC NAS RA					
1.	Trinocular stereo microscope	1	18.10.2023	ԳԱԱԳԿՄԿ-23/1-1 Tag Hem LLC	1096.672716
2.	Fluorescent microscope	1	29.09.2023	ԳԱԱԳԿՄԿ-23/1-1 Tag Hem LLC	3480.217786
3.	Water distiller	1	18.10.2023	ԳԱԱԳԿՄԿ-23/1-1 Tag Hem LLC	5,955.23
4.	Multiparameter water quality meter	1	01.12.2023	ԳԱԱԳԿՄԿ-23/1-1 Tag Hem LLC	2,491.954
5.	Laboratory balance	1		ԳԱԱԳԿՄԿ-23/1-1 Tag Hem LLC	598.6
6.	Trinocular biological microscope	1	18.10.2023	ԳԱԱԳԿՄԿ-23/1-1 Tag Hem LLC	1,684.21

7.	Low temperature freezer	1	22.01.2024	ԳԱՍԳԿՄԿ-23/1-2 PrimaLab LLC	2,630
8.	65" Clevertouch UX PRO Series High Precision	1	18.09.2023	ԳԱՍԳԿՄԿ-23/1-3 FIRM ALPHA CO., LTD	3392.61948
9.	Additional i5 OPS	1	02.10.2023	ԳԱՍԳԿՄԿ-23/1-3 FIRM ALPHA CO., LTD	2,122.202
10.	Server Dell PowerEdge T350 Xeon E-2314/16GB/2TB/H355/600W	1		ԳԱՍԳԿՄԿ-23/1-4 Vahagn Melik Martirosyan Individual Entrepreneur	3,143.3756
11.	Microplate Absorbance Reader with accessories	1	03.06.2024	ԳԱՍԳԿՄԿ-24/1-1	8,590.441621294616
	TOTAL FOR ISEC				35185.52
SNAU					
1	Oximeter with remote electrode	5	22.12.2023	№19-12 Private enterprise «BROM»	1211,51
2	Oximeter portable	4	22.12.2023	№19-12 Private enterprise «BROM»	969,21
3	Plastic container 1 m³ and Plastic cover	5	18.12.2023	№ 14-12-7 «ADMIREL» LLC	1678,39
4	Frame pool	2	18.12.2023	№15-12-4 «BIOTON PLAST PLUS» LLC	757,19
5	Multiparameter water quality meter with all electrode sensors	1	19.12.2023	№ 15-12 «VENTA LAB» LLC	1 312,58
6	Pipe metalplastic	200	15.12.2023	№15-12-6 «Epicentr K» LLC	187,84
7	Digital refractometer	1	27.12.2023	№ 27-12 «LOGIKLABGRUPA» LLC	563,35
8	Apparatus for determining the density of water	4	27.12.2023	№ 27-12 «LOGIKLABGRUPA» LLC	6079,72
9	Acidity meter	5	27.12.2023	№ 27-12 «LOGIKLABGRUPA» LLC	1892,98
10	Water sampler	1	27.12.2023	№ 27-12 «LOGIKLABGRUPA» LLC	136,29
11	Photoelectrocolorimeter digital	1	27.12.2023	№ 27-12 «LOGIKLABGRUPA» LLC	641,19

12	Turbidity meter	1	27.12.2023	№ 27-12 «LOGIKLABGRUPA» LLC	1014,64
13	Analytical scales	4	15.12.2023	№ 5-12 Research and Production Enterprise «Tehnovagi» LLC	3907,12
14	Circulation pump	2	15.12.2023	№ 11-12 «Profitresurs» LLC	62,54
15	Thermostat dry-air	1	15.12.2023	№ 1-12-1 Private Entrepreneur Bogdan Angelina Mykolaivna	1463,91
16	Thermostat dry-air (cooling)	2	15.12.2023	№ 1-12-1 Private Entrepreneur Bogdan Angelina Mykolaivna	2372,54
17	Bactericidal irradiator lamp ozone-free	2	15.12.2023	№ 14-12-10 Private Entrepreneur Buchko Roman Stepanovich	51,03
18	Vacuum filtration device	1	15.12.2023	№ 14-12 Private Entrepreneur Buchko Roman Stepanovich	502,02
19	Energy flow filter with ionizer	2	15.12.2023	№ 14-12 Private Entrepreneur Buchko Roman Stepanovich	2372,54
20	Filter	2	15.12.2023	№ 14-12 Private Entrepreneur Buchko Roman Stepanovich	491,92
21	External filter for the aquarium	2	15.12.2023	№ 14-12 Private Entrepreneur Buchko Roman Stepanovich	177,49
22	Aquadistillator	1	15.12.2023	№ 14-12 Private Entrepreneur Buchko Roman Stepanovich	704,19

23	External heater for aquarium	2	15.12.2023	№ 14-12-2 Private Entrepreneur Buchko Roman Stepanovich	115,09
24	Mini aerator	2	15.12.2023	№ 14-12-9 Private Entrepreneur Buchko Roman Stepanovich	29,48
25	Dosimeter, Nitrate Tester and Water Hardness Tester	5	15.12.2023	№ 14-12-5 Private Entrepreneur Kononiako Halyna Opanasivna	1 072,69
26	Goryaev's chamber 2-section	10	15.12.2023	№ 14-12-4 Private Entrepreneur Kononiako Halyna Opanasivna	75,72
27	Laboratory glassware	161	15.12.2023	№ 14-12-3 Private Entrepreneur Kononiako Halyna Opanasivna	758,71
28	Biological microscope	5	15.12.2023	№ 6-12-1 Private Entrepreneur Kononiako Halyna Opanasivna	1829,88
29	Phase-contrast microscope	5	15.12.2023	№ 6-12-1 Private Entrepreneur Kononiako Halyna Opanasivna	2019,18
30	Digital microscope	2	15.12.2023	№ 6-12-1 Private Entrepreneur Kononiako Halyna Opanasivna	1236,75
31	Video microscope	2	15.12.2023	№ 6-12-1 Private Entrepreneur Kononiako Halyna Opanasivna	429,08
32	Powered Gerber centrifuge	1	14.12.2023	№ 14-12-6 Private Entrepreneur Kononiako Halyna Opanasivna	1256,94

33	800D laboratory centrifuge	1	14.12.2023	№ 14-12-6 Private Entrepreneur Kononiako Halyna Opanasivna	297,83
TOTAL FOR SNAU					37671,54
NUWEE					
1	Reagent kit PCE-CP X0 Tab Fe	2 pcs	11.10.23	No 648, entrepreneur Filonenko Igor Volodymyrovych	53,41
2	Reagent kit PCE-CP X0 Tab Potassium	1 pc	11.10.23	No 648, entrepreneur Filonenko Igor Volodymyrovych	61,62
3	Reagent kit PCE-CP X0 Tab Ammonia No1	2 pcs	11.10.23	No 648, entrepreneur Filonenko Igor Volodymyrovych	61,49
4	Reagent kit PCE-CP X0 Tab Nitrite	1 pc	11.10.23	No 648, entrepreneur Filonenko Igor Volodymyrovych	26,71
5	Reagent kit PCE-CP X0 Tab Phosphate	2 pcs	11.10.23	No 648, entrepreneur Filonenko Igor Volodymyrovych	88,33
Total, contract No 648 from 05.10.2023, private entrepreneur Filonenko Igor Volodymyrovych					291,56
6	PCE-CP 22 photometer for water quality analysis (9 parameters) with Bluetooth interface	1 pc	05.10.23	No 649, entrepreneur Filonenko Igor Volodymyrovych	549,97
Total, contract No 649 from 05.10.2023, private entrepreneur Filonenko Igor Volodymyrovych					549,97
7	Plastic pools with a volume of 6 m ³ . Polypropylene. Wall thickness 5+ mm, round, Ø 2.3-2.4 m. H=1.4-1.5 m. ЦО - 110 m	4 pcs	05.10.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	4024,18
8	Plastic pools with a volume of 1.6 m ³ . Polypropylene. Wall thickness 5+ mm, round, Ø 1.5-1.6 m. H=0.75-0.8 m. ЦО- 50 mm	4 pcs	05.10.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	1349,18
9	Plastic pools with a volume of 0.8 m ³ . polypropylene, wall thickness 5+ mm. rectangular, 1.6x0.8 m, H=0.65 m.	4 pcs	05.10.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	1027,45
10	Biofilter for RAS 1.2 m ³ Polypropylene. The wall thickness is 5+ mm. 1.0x1.6 m, H=0.8 m	2 pcs	05.10.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	1241,50
11	Plastic trays with a volume of 1 m ³	2 pcs	05.10.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	556,54
12	Phytoreactor polypropylene Wall thickness 5+ mm. 2.5x0.6 m H=0.4-0.5 m	2 pcs	05.10.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	876,97
13	Mesh mechanical filter (parabolic filter-grid) Polypropylene. The wall thickness is 5+ mm. Throughput capacity 8-12 m ³ /h	2 pcs	05.10.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	856,21
14	Inert nozzle for block-type biofilters made of corrugated sheet	6 pcs	05.10.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	1061,70

15	Duct splitter	1 pc	05.10.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	11,65
16	Filter plates, tubular aerators	4 pcs	05.10.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	211,20
17	Air duct hose Ø 10-16 mm,	15 m	07.11.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	4,67
18	Polyethylene (PE) pipe, water supply, Ø 50, 2.7 mm	50 m	07.11.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	71,35
19	Polypropylene pipe Ø 110, sewage	20 m	07.11.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	49,92
20	Polypropylene pipe Ø 50, sewage	30 m	07.11.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	28,41
21	Polypropylene elbow for internal sewage 90 Ø 50	8 pcs	07.11.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	2,28
22	Polypropylene elbow for internal sewage 90 Ø 110	4 pcs	07.11.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	3,11
23	Polypropylene coupling for internal sewage Ø 50	8 pcs	07.11.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	3,74
24	Polypropylene tee for internal sewage Ø 50/50 90 degrees	10 pcs	07.11.23	No 662, entrepreneur Myhorovych Oleksii Oleksandrovich	4,93
Total, contract No 662 from 09.10.2023, private entrepreneur Myhorovych Oleksii Oleksandrovich					11384,99
25	1. System for monitoring dissolved oxygen in water PCW-3000DTK	1 pc	11.10.23	No 678, entrepreneur Yarmolyuk Andriy Serhiyovych	742,36
Total, contract No 678 from 11.10.2023, private entrepreneur Yarmolyuk Andriy Serhiyovych					742,36
26	Water heater Schego pond heater 300 W	2 pcs	19.10.23	No 709, entrepreneur Buchko Roman Stepanovych	164,29
27	Thermostat for two channels Andromeda Computers Tytan X Controller 1100W	1 pc	19.10.23	No 709, entrepreneur Buchko Roman Stepanovych	42,69
Total, contract No 709 from 19.10.2023, private entrepreneur Buchko Roman Stepanovych					206,98
28	Compressor SunSun HG-250C 580 l/m 220V	1 pc	19.10.23	No 710, entrepreneur Buchko Roman Stepanovych	124,19
29	Pump with regulator SunSun JDP-18000 18000 l/h H-6.8 m 160W	1 pc	19.10.23	No 710, entrepreneur Buchko Roman Stepanovych	190,16
30	Pump with regulator SunSun JDP-10000 10000 l/h H-5.8 m 100W	1 pc	19.10.23	No 710, entrepreneur Buchko Roman Stepanovych	144,37
Total, contract No 710 from 19.10.2023, private entrepreneur Buchko Roman Stepanovych					458,72
31	Automatic dispenser Aqua Nova NMDP-4	1 pc	19.10.23	No 711, entrepreneur Buchko Roman Stepanovych	131,43
32	Automatic feeder SunSun AK-01	8 pcs	19.10.23	No 711, entrepreneur Buchko Roman Stepanovych	95,21

33	Automatic feeder Jebao FD-55 5,5l 220V	2 pcs	19.10.23	No 711, entrepreneur Buchko Roman Stepanovych	254,85
Total, contract No 711 from 19.10.2023, private entrepreneur Buchko Roman Stepanovych					481,49
34	Equipment for the feed production for fish and domestic animals ESHK-60	1 pc	19.10.23	No 772, entrepreneur Rogov Oleg Volodymyrovych	5698,72
35	Feed workshop "Optima-1000" with feed mixer Vykhor-1000 and chopper KRAFT-11	1 pc	19.10.23	No 772, entrepreneur Rogov Oleg Volodymyrovych	5077,58
36	Infrared dryer SK-1IK-600/700	1 pc	19.10.23	No 772, entrepreneur Rogov Oleg Volodymyrovych	3137,10
37	Horizontal feed mixer VIKHOR - 1000 + oil injection system	1 pc	19.10.23	No 772, entrepreneur Rogov Oleg Volodymyrovych	6843,18
Total, contract No 772 from 9.10. 2023, private entrepreneur Rogov Oleg Volodymyrovych					20756,58
38	Phytolamp for aquaponic system 200Wt, special spectrum for plants growing, length 1-2 m	6 pcs	04.12.23	No 693, entrepreneur Hnatyuk Tetyana Serhiivna	205
Total, contract No 693 from 13.10.2023, entrepreneur Hnatyuk Tetyana Serhiivna					205
TOTAL FOR NUWEE					35,077.65