

### Services and equipment purchased in projects for 2025

№	IRN and project name	Project Leader	Equipment planned for purchase in 2025	Services planned for 2025	Planned amount
1	AP19175679 Comprehensive study and assessment of the ecological state of the Eastern coast of the Caspian Sea in the Aktau city area	Dzhanalieva N.Sh.	-	Control analysis of water, soil, air and plants	300 000
2	AP19679430 Application of flow-diverting technologies to enhance oil recovery in the conditions of the Mangistau region	Zholbasarova A.T.	-	Laboratory services of KazSRPI (under contract)	4 797 080
3	AP19680395 Study of the stress-deformed state of welded components and development of a method to reduce their deformations in surface plastic deformation processes	Bulekbayeva G.Zh.	Microscope Hardness tester	-	2 979 825
4	AP19678872 The creativity of Abish Kekilbayev in the context of the modernization of public consciousness	Kabylov A.D.		1. Publication of the monograph 2. Publication of a textbook 3. Publication of conference proceedings	1 500 000 3 500 000 500 000
5	AP19679081 Modification of petroleum bitumen with rubber waste	Akkenzheeva A.SH.	Chloroform Hexane Blue ribbon Silicone oil	-	144 400
			Equipment for oil filtration	-	250 000
			Soxhlet apparatus	-	75 000
			Reverse refrigerator with internal cooling coil	-	28 500
			-	Analysis of modified bitumen using an atomic force microscope, additional work by a specialist	168 000
			-	Micrography of modified bitumen samples	56 000
6	AP19677917 Development of technologies for the synthesis of granulated ammonium sulfate in the conditions of JSC «KazAzot»	Serikbayeva A.K.	-	Physico-chemical analysis and research	2 445 300
			Laboratory ball mill LBM-50	-	3 000 000

			Large-scale laboratory crystallizer assembled with a vacuum pump VP-461 M and other components	-	1 410 000
7	BR21882382 Development of atlases of new professions and competencies of the regions of Kazakhstan based on Skills Technology Foresight methods	Yegenissova A.K.	-	Conducting professional orientation with diagnostic elements among school students	10 000 000
			-	Development of regional atlases of new professions (layout + printing services)	2 771 040
			-	Organization of training (coffee break)	300 000
			-	Publication of the monographs	315 405
8	AP22686399 Reduction of environmental impact through the use of production waste from cut limestone stone in new building materials	Bukayev E.Z.	Thermal drying chamber	-	509 600
			-	Physico-chemical testing	112 560
9	AP22686075 Study of ion-salt compositions of lithium-containing natural and wastewater in the Mangistau region and identification of industrial sources of lithium	Boranbayeva A.N.	-	Control analysis of wastewater	450 000
10	BR24993043	Nurdauletova B.I.	Microsoft Office Professional Plus 2021	-	937 980

	Ancient Turkic toponyms in the sources of China and other Eastern countries are one of the foundations of modern Turkic integration historical, etymological, linguistic vision		Kaspersky Plus antivirus		
			-	Rental of a film crew for the collection and digitalization of expedition results (audio, photo and video filming services, TV film)	7 762 500
11	AP19680234 Toponymic area of Mangystau: historical toponymy, topogenesis, and their interpretation	Nurdauletova B.I.	-	Publication of the monograph	3 000 000
			-	Renting a car for an expedition	700 000