



Appendix №1 to “Terms and Conditions of participation”

EXHIBITS PROFILE

1. Naval and Commercial Shipbuilding

- 1.1. Design & construction of submarines and deep submergence vehicles.
- 1.2. Design & construction of surface ships & boats.
- 1.3. Design & construction of dynamic-lift vessels & boats.
- 1.4. Design & construction of vessels and boats of single purpose and support.
- 1.5. Ship repairing, modernization of naval engineering and equipment.
- 1.6. Corrosion-resistant coating and painting technology.

2. Weapons, Armaments, Weapon Control Complexes and Systems

- 2.1. Missile weapons & armaments.
- 2.2. Surface-to-air missile weapons & armaments.
- 2.3. Artillery weapons & armaments.
- 2.4. Torpedo & torpedo-missile weapons & armaments.
- 2.5. Mines and counter-mine weapons & armaments.
- 2.6. Weapon control complexes and systems.
- 2.7. Launchers & launching systems.
- 2.8. Complexes & systems of reconnaissance, target indication & weapon guidance.
- 2.9. Weapons & armaments transportation and its embarkation on delivery vehicles.
- 2.10. Equipment, systems & complexes for weapons & armaments utilization.

3. Combat Direction Systems, Navigation Sets and Systems, Communications, Radio-Electronics, Radio-technical and Hydroacoustic Armament

- 3.1. Naval and coast automate control systems of fleet forces and facilities.
- 3.2. Special automatic control systems.
- 3.3. Navigational equipment, complexes & systems.
- 3.4. Information security systems.
- 3.5. Space communications, monitoring and reconnaissance systems.
- 3.6. Complexes of monitoring & direction finding location & classification of radio signals.
- 3.7. Radio-electronic & radio-technical armament.
- 3.8. Hydroacoustic equipment communications.
- 3.9. Complexes of radioelectronic warfare & sonar countermeasure.
- 3.10. Optoelectronic systems and observation capabilities & jamming countermeasures.

4. Marine Power Plants, Hull Systems, Gears and Auxiliary Machinery

- 4.1. Main propulsion machinery.
- 4.2. Emergency and stand-by ship power plants.
- 4.3. Drives & propulsors.
- 4.4. Electric power systems of ship: generators, power switchboards, transducers, transformers, accumulators & accumulator batteries, current leads, electrical connectors, ship cables, electrics.
- 4.5. Weak-current equipment, systems of control & shipboard communications & transmission.
- 4.6. Demagnetization ship devices.
- 4.7. Shipboard equipment. Pumps, filters, compressors, ship armature.
- 4.8. Steering systems & maneuvering devices.
- 4.9. Ship devices: ground tackles, mooring gears, towing gears, cargo gears, landing brow and access boards.



- 4.10. Complexes, systems and devices of take-off & landing, servicing of aircraft.
- 4.11. Life-support systems & devices: heating systems, ventilation and air conditioning systems, potable and distilled water systems, sanitary and hygienic systems.
- 4.12. In-harbour power, heat and water supply systems.
- 4.13. Furniture, medical & galley equipment.
- 4.14. Ship-damage control systems, including alerting services & fire-fighting systems.
- 4.15. Ship lifting devices.

5. Naval Aviation (Deck and Shore-Based)

- 5.1. Deck planes & helicopters.
- 5.2. Shore-based planes & helicopters.
- 5.3. Amphibian planes & aircrafts.
- 5.4. Unmanned aircrafts & aerial systems.
- 5.5. Aviation equipment & aircraft accessories design & manufacture.
- 5.6. Avionics.

6. Navy Coastal Forces Arming

- 6.1. Coastal guided missile systems.
- 6.2. Coastal artillery and rocket systems.
- 6.3. Counter-sabotage weapons & equipment for special forces.
- 6.4. Weapons control systems.
- 6.5. Mariners weapons & equipment (tank-automotive, artillery missile, combat engineering equipment, air defense weapon & small arms)
- 6.6. Chemical, biological & radiological reconnaissance and protection equipment for troops.

7. High-speed boats, Yachts, Small-size Vessels for Supporting and Commercial Purposes

- 7.1. Patrol boats, rescue vessels, administrative ships and motorboats.
- 7.2. Yachts.
- 7.3. Sail, rowing and other boats.
- 7.4. Boats and yachts equipment, rigs, sails, ropes.
- 7.5. Diving and underwater operations equipment.
- 7.6. Inboard and outboard engines for small-size and high-speed vessels.
- 7.7. Design, building and repair of small-size vessels.
- 7.8. Vessel land transportation.

8. Fleet Supply and Services, Logistics' Infrastructure

- 8.1. Combat service support of naval forces.
- 8.2. Naval logistic support facilities & equipment.
- 8.3. Spare part supply & service maintenance.
- 8.4. Arsenal, weapon storage bases, floating factories, equipment, complexes and systems for storage dumping and preparation of weapon, protective services and access systems.
- 8.5. Equipment of depot complexes and storage depots of ordnance, inventory, fuel and lubricants, fuelling and split-pump stations.
- 8.6. Home stations, berths, landing docks, port structures, mobile mooring places.
- 8.7. Auxiliary ships.
- 8.8. Communications, utility networks & pipelines.
- 8.9. Cross-country vehicles.
- 8.10. Cargo-handling vehicles & systems.
- 8.11. Material & subsistence support, fuel & lubricants.
- 8.12. Medical equipment & supplies.



8.13. Refueling complexes and systems & underway replenishments of craft-loads (in the air).

9. Search and Rescue Equipment, Technics and Technologies of Deep-sea and Rescue Operations

- 9.1. Rescue vessels and marine search & rescue systems.
- 9.2. Ship & vessels rescue systems.
- 9.3. Rescue ships and equipment for emergency damage control.
- 9.4. Equipment for salvage and rescue operations of rectification of the consequences of accidents.
- 9.5. Procedure of deep-sea and salvage & rescue operations.
- 9.6. Ship raising systems.
- 9.7. Diving equipment.
- 9.8. Deepwater systems. Undersea electrical engineering, underwater welding and cutting.
- 9.9. Underwater & lifting equipment and technology.
- 9.10. Deepwater and diving medical support. Rehabilitation methods for deepwater specialists and divers. Medical & physiological training and rehabilitation methods.
- 9.11. Fire and salvage boats and vessels & fire-fighting equipment.
- 9.12. Legal groundwork for rescue and diving operations.
- 9.13. Rescue and diving equipment certification and standartization.
- 9.14. Deepwater, diving and rescue training courses for specialists.

10. Navigation Security

- 10.1. Navigating-hydrographical & hydrometeorological support: optical, radiotechnical and sonal navigation equipment, space navigational systems, organisation of data collection & dissemination of actual navigation & hydrometeorological situation. Nautical charts and guides to navigation, electronic charts, ships positioning.
- 10.2. Weather equipment.
- 10.3. Ships & vessels following support : following of technical equipment, piloting of vessels.
- 10.4. Classification, technological surveillance & survey of vessels.
- 10.5. Individual & collective ship rescue systems.
- 10.6. Collection means & information processing operations of ships and vessels damaged in active service.
- 10.7. Marine trouble-free operation support.
- 10.8. Environmental safety, technical monitoring equipment, prevention of pollution and emergency damage control on the sea.
- 10.9. Cleanup systems & waste disposals.

11. Anti-terrorism Effort, Anti-piracy Campaign, Security Facilities Protection

- 11.1. Countersabotage, technical systems & measures.
- 11.2. Hydroacoustic and radioelectronic complexes & systems.
- 11.3. Optical & electro-optical detection acquisition and identification systems.
- 11.4. Inspection and alarm sensors.
- 11.5. Remote operated vehicles.
- 11.6. Armament & special diving equipment.
- 11.7. Armament & technique against terrorists, pirates and its armaments.
- 11.8. Integrated security systems.
- 11.9. Access control systems.
- 11.10. Video control systems.
- 11.11. Engineering constructions & sea and shore barriers.
- 11.12. Fire safety systems and measures.



12. Ocean Development for the Benefit of National Defence and Economy

- 12.1. Marine equipment & technology for exploration of World Ocean.
- 12.2. Deep-sea submersibles & its systems and control complexes.
- 12.3. Marine facilities & equipment for exploration and production of hydrocarbons of shelf plate and ocean.
- 12.4. Offshore drilling platforms & oil rigs, drilling tools.
- 12.5. Engineering & construction of subwater pipelines for hydrocarbon transportation.
- 12.6. Engineering & construction of marine vessels for hydrocarbon transportation, including ice class.
- 12.7. Auxiliary crafts & aerial vehicles for maintenance of maritime platforms, drilling devices.
- 12.8. Floating and tidal power barges & power-generating units, engineering, construction and operational service.
- 12.9. Engineering & construction of fishing vessels, its prearrangement & refit in special period.
- 12.10. Offshore driller & oil producing complexes safety, including environmental security.
Security systems, accident preventions on marine facilities.

13. Harbour and Hydraulic Engineering

- 13.1. Harbour design, building and reengineering.
- 13.2. Quays and marine facilities building.
- 13.3. Hydraulic facilities and dredging works.
- 13.4. Quays, breakwaters, pontoons construction.
- 13.5. Power engineering & special equipment, construction materials.
- 13.6. Monitoring and hydraulic structures control equipment.
- 13.7. Marine equipment for tow, mounting and other works.
- 13.8. Underwater equipment.
- 13.9. Pontoons, quays, equipment for yacht-clubs.

14. Industrial Equipment in Shipbuilding Complex and Related Sectors

- 14.1. Dry & floating docks, covered slipways, floating workshops.
- 14.2. Metal-working equipment.
- 14.3. Welding equipment & technologies.
- 14.4. Hydraulic & pneumatic devices. Erecting & rigging equipment.
- 14.5. Testing and measurement equipment. Diagnostic and quality control devices.
- 14.6. Engineering & supply of equipment, tools, fittings and rig.
- 14.7. Equipment for anticorrosive processing.
- 14.8. Auxiliary equipment.
- 14.9. Diagnostic systems of constructions, devices & equipment.
- 14.10. Test facilities for ships & vessels, devices & machines.
- 14.11. Equipment & repair services, maintenance logistics of industrial equipment.
- 14.12. Manufacturing automation.
- 14.13. Computing technics, monitors, console control panels and peripheral devices.

15. Information Technologies in Shipbuilding Industry

- 15.1. CAD systems.
- 15.2. Automated systems of technology planning.
- 15.3. Management engineering of product life cycle.
- 15.4. Inquiry and communications systems.
- 15.5. Integrated control organization systems, enterprise resource management.



16. Industrial and Raw Materials, Hardware for Shipbuilding Industry

- 16.1. Shipbuilding steels, including heavy-alloyed.
- 16.2. Titanium & aluminium alloys.
- 16.3. Copper alloys.
- 16.4. Zink.
- 16.5. Composite materials on metal & polymer base.
- 16.6. Fiberglasses.
- 16.7. Carbon fibre reinforced plastics.
- 16.8. Tube fitting of high and low pressure.
- 16.9. Flanges, bends, tapers, pipe laterals, blind joints, elbows and other elements of pipe lines.
- 16.10. Castings & forgings for shipbuilding and ship-repairing.
- 16.11. Thermal insulating & sound-insulating materials.
- 16.12. Rubber technical products.
- 16.13. Lubricants & engine oils.
- 16.14. Leakproofing materials.
- 16.15. Cabling and wiring products.
- 16.16. Paint & anticorrosive materials and coatings.
- 16.17. Glues & sealants.
- 16.18. Mastics & insulating materials.
- 16.19. Deck compositions.

17. Scientific Research, Innovations and Modern Solutions in Shipbuilding Industry

- 17.1. Innovating projects.
- 17.2. Advanced materials & technologies for naval electro-technics, electronics, radio-technics, automation, navigation & communication hardware.
- 17.3. Advanced information technologies in shipbuilding industry and related sectors.
- 17.4. Robotics technology and automated mechanized production systems.
- 17.5. New high-tech technologies in shipbuilding, fundamental research.
- 17.6. Security & alarm systems and access limitation.
- 17.7. Design in shipbuilding.
- 17.8. Nanotechnologies in shipbuilding.
- 17.9. Advanced application of synthetic materials in shipbuilding.
- 17.10. Subcontracting.

18. Personnel Training

- 18.1. Training systems for command & engineering skills.
- 18.2. Training systems for junior command personnel & specialists.
- 18.3. Modern methods in naval education system.
- 18.4. Integrated training laboratories, simulators and teaching aids.
- 18.5. Automation & computerization of training process.
- 18.6. Scientific personnel & engineering skills training for shipbuilding and other defence industries.

19. Project Financing, Management, Insurance and Consulting Services

20. Press and Electronic Mass Media

21. Naval History