

# **Tender EuropeAiD/121223/D/S/RU**

## **Tacis Nuclear Safety Programme: On-Site Assistance to Bilibino NPP/Russia**

Tacis Project R1.08/03 A, Diesel Generator Sets

### **SUMMARY OF TECHNICAL SPECIFICATION**

*Access to the technical specifications is restricted for public security reasons*

*Technical specifications can be obtained upon request to the Procurement Agent*

(see section 18 of the procurement notice)

With a view to improve the reliability of the emergency power supply systems of Bilibino Nuclear Power Plant, the present project provides for delivery and installation of Diesel Generator Sets (D/G Sets) for the Backup Diesel Power Station (BDPS).

The subject of the contract is the design, manufacturing, delivery, factory acceptance inspection and testing, certification, support during licensing, supervision of installation and commissioning, provision of documentation, training and instruction in the use of the equipment listed below. The scope of supply also includes spare parts and special tools.

**Diesel Generator Sets (D/G Sets), in two parts:**

**Part 1 - Diesel Generator Set :**

- Diesel Engine and Auxiliaries (including the lube oil unloading facilities described in the paragraph 4.4.5), qty 1
- Generator 1600 Kva 6300 V P.F. 0.8 50 Hz, qty 1
- D/G Protection and Control System, qty 1
- Common Part Control (including the board structure and room for the components supplied in Part 2), qty 1
- Direct Current System, qty 1
- 6 Kv Main Switchboard (including the cubicle for the diesel generator circuit breaker supplied in Part 2), qty 1
- Aux. Transformer 100 Kva 6300\400 V, qty 1
- 400 V Auxiliary Switchboard (including board structure and room for the components supplied in Part 2), qty 1
- Containers And Auxiliary System (diesel generator container and common container including the common fire detection system), qty 1
- Cables
- Earth Connection
- Tagging

**Part 2 - Diesel Generator Set *to be purchased according to Bilibino priorities and compatibly with available budget.* :**

- Diesel Engine and Auxiliaries AUXILIARIES (including the connection of its own starting system with the starting system of the D/G of Part 1) qty 1
- Generator 1600 Kva 6300 V P.F. 0.8 50 Hz, qty 1
- D/G Protection and Control System, qty 1
- Control System for the components (including the load sharing device described), qty 1

- Direct Current System, qty 1
- 6 kV Circuit Breaker, qty 1
- 400 V Circuit Breaker, qty 1
- Container And Auxiliary System (diesel generator container, qty 1
- Cables
- Earth Connection
- Tagging

to be delivered to Moscow DDU (Delivered Duty Unpaid – Incoterms 2000) within **six** months from contract date of effect. The End User will take care of the transport from Moscow to final Bilibino NPP.

The equipment to be supplied shall be qualified according to Russian requirements, which shall be confirmed with the corresponding certificates. The Supplier shall execute all stages of the project implementation according to the QA Program developed by him and agreed with the Contracting Authority. The D/G Sets components and containers will strictly meet weather and seismic qualifications according to Russian NPPs requirements.