

Specifications for Rolls-Royce 250 Series Engine Turbine Overhaul and Inspections

Purpose:

The Tennessee Department of Safety and Homeland Security, Tennessee Highway Patrol (THP) Aviation Division is seeking to establish a one (1) year contract for 2 Rolls-Royce 250 series turbine 2 wheel (first and second stage wheel) overhauls and both the 2000 hour spline inspection of the compressor assembly and 2000 hour inspection on the turbine assembly and all required CEB's for the State's two Bell 407GX helicopters.

Contractor Type:

- a. The Contractor must be a Rolls-Royce Authorized Maintenance Center.
- b. The Contractor shall hold a Federal Aviation Administration (FAA) Part 145 Repair Station Certificate.

Background Information:

- I. The State's Aviation facility is located at the current address:

Department of Safety and Homeland Security
Aviation Division, Tennessee Highway Patrol
225 Ezell Pike
Nashville, Tennessee 37217
- II. The State currently operates two (2) Bell 407GX helicopters. One is powered by a Rolls Royce 250-C47B series engine, and one is powered by a Rolls Royce 250-C47B/8 series engine.
- III. The State anticipates operating its Rolls-Royce powered fleet approximately 1000 hours per year.
- IV. The following table provides relevant information concerning the above-mentioned helicopters as of January 28, 2026

N Number	Model	Serial Number	Total Airframe Time
N720HP	407	54382	1954
N730HP	407	54627	1848

Contractor Requirements:

- I. The Contractor shall meet the following requirements:
 - a. Provide a full on-site overhaul facility for Rolls-Royce 250 series. The Contractor's Service Centers shall be able to provide immediate twenty-four (24)-hour Aircraft on Ground support.
 - b. Provide a comprehensive warranty protection program.
 - c. Test cells to be available for all Rolls-Royce Model 250 series engines for post-overhaul performance verification.

Specifications for:

ITB # 34901-13818 Rolls-Royce 250 Series Engine Turbine Overhaul and Inspections

Scope of Work:

The Contractor shall perform a full 2,000 hour overhaul of the turbine section of the Rolls-Royce C47B engines per Rolls-Royce specifications.

General Specifications

- I. The following are the general specifications that should be taken into consideration concerning this contract:
 - a. The State requires all services to be completed to all current standard industry practices, FAA requirements, and manufacturer requirements. All services shall be subject to the State's inspection and approval.
 - b. The Contractor shall not outsource any services or equipment without prior written permission by the designated State personnel.
 - c. The Contractor shall be required to complete all logbooks, historical records and other Federal Aviation Administration, manufacturer and Contractor required documentations of services.
 - d. The Contractor shall supply the State with a current Manufacturer's Published Parts List for the Rolls-Royce 250 Series Engine.
 - e. The Contractor shall provide onsite assistance as required in the event of service warranty issues.
 - f. The Contractor shall complete the requested services, pick-up and delivery to the State's Aviation facility, within 180 days following the request. The Contractor shall notify the State in writing of any issues that shall extend the services beyond the initial estimated service time period.
 - g. The Contractor shall be responsible for arranging all shipping logistics of engines (including containers), modules, accessories, parts and tools between the Contractor's facility and the State's Aviation facility.
 - h. The Contractor shall be perform all duties as prescribed by the manufacturer, FAA and standard practices.
 - i. The full scope for all services shall be initiated by the State through the Contractor's receipt of a State approved purchase order.
 - j. If additional work beyond the standard overhaul scope is required due to unforeseen circumstances—such as damage not attributable to routine wear and tear—the Contractor shall provide a written quote for the extra parts and labor. This quote must be submitted through a formal

change order and receive prior written approval from the State's designated personnel, the THP Director of Maintenance, before any additional work begins.