

## Term of Reference of engine maintenance for overhaul of PT6A-42 S/N PCE-PJ0062

1. Transport of engines must be loaded into the container of the specific engine to prevent damage. The Vendor will provide the container by delivery to the Aircraft Engineering Division, Aeronautical Radio of Thailand Company Limited, located at Building No. 4465, Don Mueang Air Force, No. 171 Phahonyothin Road, Sikan Sub-district, Don Mueang District, Bangkok 10210. The division responsible for the cost of transportation are as follows:

1.1 AEROTHAI is responsible for the cost of sending the engine to the repair station and delivering the engine to the Vendor.

1.2 The Vendor is responsible for the cost of sending the engine back after the repair is completed (AEROTHAI will facilitate the import and export for the contractor) and deliver to the building No. 4465 Don Mueang Air Force. And transporting the engine from the transport vehicle to be placed in the spare parts warehouse.

2. The Vendor must attach the certified repair station from the Civil Aviation Authority of Thailand (CAAT) and the repair certificate from the engine manufacturer (Pratt & Whitney, Canada), which must show the evidence of the repair station in quotation.

3. The following engine maintenance for overhaul of PT6A-42 S/N PCE-PJ0062 include:

3.1 Inspect, maintenance, repair and overhaul the engine, modules, components and part in accordance with manufacture's maintenance manual.

Remarks: Any replacing or repairing necessary parts due to failure that **not include in offering overhauled price**, the vendor must inform additional repair costs for the AEROTHAI to consider.

3.2 This repairing includes the repair of the Engine Accessory that is installed with the engine such as Engine Pump, Fuel Control Unit, Bleed Valve, Governor, Overspeed Governor, Ignitor Box, etc.

3.3 Engine test run and report

3.4 Record the work performed in log book and release certificate such as FAA-8130-

3 Form or JAA form-1 หรือ EASA Form1

4. Engine delivery as follow;

4.1 The overhauled engine PT6A-42 S/N PCE PJ0062

4.2 Engine Test Cell Report

4.3 Engine Log Book recorded engine maintenance

4.4 Certificate of overhauled engine such as FAA-8130-3 Form or JAA form-1 or EASA Form1

4.5 Engine Condition Report

5. Delivered at the Aircraft Engineering Division, Aeronautical Radio of Thailand Company Limited, located at Building No. 4465, Don Mueang Air Force, No. 171. Phahonyothin Road, Sikan Sub-district, Don Mueang District, Bangkok 10210.

6. The Vendor must attach the certified repair station from the Civil Aviation Authority of Thailand (CAAT) and the repair certificate from the engine manufacturer (Pratt & Whitney, Canada) that shows the capacity of the repair station to overhaul engine for consideration.

7. The following categories comprise a normal estimate for overhaul of PT6A-42 S/N PCE-PJ0062 engine:

7.1 FLAT RATE LABOR

Includes labor for disassembly, cleaning, inspection, rework, service bulletins, testing, recording and shipping

7.2 ACCESSORY FLAT RATE LABOR

Labor to overhaul the accessories as received with engine

7.3 100% PARTS (BENCH STOCK)

7.4 ESTIMATED REPLACEMENT PARTS

Estimated new and serviceable parts as required for overhaul accessories. Does not include life limited parts.

7.5 ESTIMATED COMPONENT REPAIRS AND SPECIAL PROCESSES

7.6 ROTABLE & SUBCONTRACT REPAIRS (ESTIMATED)

Charges for repairable items such as the compressor turbine vane ring and power turbine stator

7.7 TOTAL CELL FEES/ FUEL & OIL

## 7.8 CAMPAIGNED PARTS AND TOTAL OVERHAUL ESTIMATE

9. The total processing time is 90 days after the engine is delivered.

10. AEROTHAI shall pay for Services in accordance with the following installment schedule:

10.1 Payment 1 – 30% of the total Agreement price.

Due: Payment shall be made within 30 days after receiving Vendor's Invoice and below mentioned documents:

- The Vendor electronic acknowledgement that Engine has been received at Vendor's Facility; and
- The Vendor electronic Estimate for Services, including Tear Down Inspection Reports and quotation for Over and Above Costs.

10.2 Payment 2 – 70% of the remaining balance of the total Agreement price.

Due: Payment shall be made within 30 days after receiving Vendor's Invoice and below mentioned documents:

- Test Cell Report, including photographic images of the Engine before the Test Cell
- Final statement of costs for Services

10.3 Payment 3 – Any applicable charges Over and Above Price as approved by AEROTHAI.

Due: Payment shall be made within 30 days after receiving Vendor's Invoice and below mentioned documents:

- The Air-Waybill of the Engine. The Air-Waybill of the Engine.
- Invoice for the amount of Approval Over and Above Price. Invoice for the amount of Approval Over and Above Price.

11. The warranty shall cover repairs and overhauls performed by vendor for 500 flight hours or 365 days, whichever occurs first.

12. The Vendor must offer estimated overhauled price according to detail of Pratt&Whitney engine PT6A-42 S/N PCE PJ0062. Except applicable charges Over and Above Price vendor must inform additional repair costs for the AEROTHAI to consider.

13. The Vendor must inform the maximum estimated price for engine repair in the quotation.

14. Details of engine Pratt&Whitney PT6A-42 S/N PCE PJ0062

	<b>TSO</b>	<b>TSN</b>	<b>CSO</b>	<b>CSN</b>	
	3,538.40	6,426.35	2,232	4,662	
<b>Component</b>	<b>Part Number</b>	<b>Serial Number</b>	<b>Total Hours</b>	<b>Total Cycles</b>	<b>Cycles Remaining</b>
Rotor-Compressor	3041501	32B380	3,538.40	4,762	25,238
Disk-Stage2 Compressor	302112	34B444	3,538.40	4,762	15,238
Disk-Stage3 Compressor	302113	36B084	3,538.40	4,762	15,238
Disk-Compressor Turbine	3041431	25B516	3,538.40	4,762	5,238
Impeller	3036793	6F321	3,538.40	4,762	19,238
Disk-Stage1 PT	3029312	26B003	3,538.40	4,762	25,238
Disk-Stage2 PT	3029313	26B289	3,538.40	4,762	25,238
CT Blades	3121451-01	N/A	6,426.37	2,232	No Limit
	3027901	New	3,538.40		No Limit
Planet Gear Set-Stage1	3101525-02	Set#AD279	3,538.40	2,232	
Sun Gear-Stage1	3028456	PKAAA155644	3,538.40	2,232	