

Requirements and Scopes

1 General

- 1.1 The contract is for the repair of hydraulic components of ground support equipment used for aircraft ground handling.
- 1.2 The contract will be for a period of two years from 01 July 2022 to 30 June 2025 and, may be extended for two years to 30 June 2027
- 1.3 The current list of components that will be covered under the contract is attached as Annex A. The list could change from time to time depending on business conditions.
- 1.4 Labour supplied for the contract must be knowledgeable, competent and skilful in the repair of components.

2 Scope of Works

- 2.1 The repair works generally comprise the replacement of seal kits, pressure testing of components and hard chroming of pitted pistons and cylinder rods.
- 2.2 The contractor is to provide labour, high quality seal kits (preferable VITON, CHESTERTON OR TUFFY SEAL kits), bearings (preferable original bearings) and all other necessary spares.
- 2.3 SATS will have the sole discretion to decide whether a part should be repaired or replaced.
- 2.4 The contractor is required to submit after repaired test results of each component and daily reports of the status of repair works in progress.
- 2.5 All jobs are to be completed up to SATS' satisfaction and within 7 calendar days. Bench test (if any) must be carried out by the contractor and the result to be submitted to SATS.
- 2.6 As far as leak from hydraulic cylinder is concerned, it should not be limited only to the replacement of seals. Effort must be made to measure the clearances of the cylinder bore and the rod. If such clearances are deemed to be worn beyond acceptable limits, this shall be brought to the attention of SATS to consider scrapping or rebuilding of that component.

- 2.7 As for hydraulic pumps and motors, internal leakage must be checked to make sure wear is within serviceable limits. Replacement of only the seal on a worn pump or motor does not bring that component to serviceable level.

3 Workshop Operations

- 3.1 Repairs may be carried out at SATS Maintenance Centre (SMC) at 34, Changi North Crescent or at the contractor's workshop.
- 3.2 If the work is done at SMC, rental at \$40 per sq meter per month would be payable to SATS for space leased and, for this, a leasing agreement would have to be entered into.
- 3.3 For work done at the contractor's workshop, all cost related to a repair, including transportation costs are to be borne by the contractor.
- 3.4 The services are to be provided from Mondays to Fridays, excluding public holidays.
- 3.5 For work done at SMC, the contractor is required to provide basic tools, testing machines, etc; and is responsible for the safety and good housekeeping of workshop operations and for ensuring work is carried out in accordance with the requirement of ISO14000 & all MOM Regulation.

4 Warranty

- 4.1 The contractor is expected to carry out the repair services based on good engineering practices. Inferior quality workmanship or spare parts are grounds for rejection and the contractor is to make good the defects at his own cost.
- 4.2 The following warranty periods are applicable:-
- a) Workmanship 6 month
 - b) New spare parts 6 months

5 Liquidated Damages

- 5.1 Should a job could not be completed on time, as defined in 2.5, because of the unavailability of spare parts in Singapore or other unforeseen circumstances beyond the control of the contractor, liquidated damages will be charged at 1% of the total cost of each new component from the OEM for each day the target is not met.

6 Company Background

- 6.1 Attach as Annex A background information on the company tendering for the project and include details such as location(s) and size of workshop(s), year of experience in work relevant to the job under tender, size of workforce by skill type, ISO certifications awarded, and any other information relevant to the tender.

7 Tender Submissions

- 7.1 Tenderers are to submit the following:-
1. Quote for man-hour rate for each of the 3 tiers;
 2. Prices for spares listed as in Annex A; and
 3. Workshop area required in SMC for performance of the contract.