



## TENDER NUMBER: DLS150617

### TECHNICAL AND MANUFACTURING REQUIREMENTS FOR 30MM CAM GUN GEARS AND FEEDER COMPONENTS

#### 1 PART DESCRIPTION AND PART NUMBERS

- Description: VARIOUS 30MM CAM GUN GEARS AND FEEDER COMPONENTS SEE ANNEXURE A.
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- Part no : VARIOUS
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#### 2 INPUTS

- NDA, Drawings, Datasheets, Specifications on CD
- Surface Treatment Specifications on CD
- QA and Industrialisation Requirements first 5 to be 100% inspection approved, and PRR review before commence with production.
- Data Sheets for Standard Fasteners
- Inspection and Final Acceptance – see para 6.4 for procedure
- Manufacturing Requirements
- Delivery Schedule
- Acceptance Criteria of Tender
- DLS 92 Release Certificate
- Industrial Participation - NIP / DIP Requirements

#### 3 OUTPUTS

- Quotation, Execution Plan, signed NDA and NIP/DIP declaration
- Components – Accepted, packed and delivered to DLS
- Built History Records (BHR)
- Presentation of various components for final inspection and acceptance
- Qualified Manufacturing, Measuring Process.

#### 4 DELIVERY SCHEDULE

Various components as pre Annexure A after order placement

#### 5 MANUFACTURING REQUIREMENTS

##### 5.1 MACHINING REQUIREMENTS

- 4<sup>th</sup> Axis Machining Capability

- CNC Turning Capability
- Wire cutting facilities for Gear Cutting

## 5.2 WORKMANSHIP

All open areas to be deburred and no sharp edges is allowed.

## 5.3 SURFACE TREATMENT

- DLS can act as a possible supplier for surface treatment of components and assemblies as per drawing specification prior to the assembly phase.
- A Certificate of Conformance (COC) to be issued from the sub-contractor who is responsible for the surface treatment. The COC will form part of the BHR.
  - Contact Details at DLS paint shop: Elizabeth E. Mofokeng @ 012 620 at DLS for an official quotation.

## 5.4 SERIALISATION

- Components to be serialised where applicable for traceability purposes and to allow a crack testing certificates to be issued.
- The drawing specifications will indicate when serialisation is applicable.
- For identification purposes a company identification number must be added where applicable

# 6 QUALITY AND INSPECTION

## 6.1 MEASURING CAPABILITY

- 3D Measuring
- Calibrated Measuring Equipment

## 6.2 QUALITY REQUIREMENTS

- As per Control Requirements List (CRL) If components not manufactured previously by a new supplier the first 5 components must be 100 % measured and documented and approved by DLS DLS QAR before commence with production.
- All BHR together with the hardware to be presented to the DLS QAR for acceptance

## 6.3 INDUSTRIALISATION REQUIREMENTS

- As per Control Requirements List (CRL)
- The industrialisation phase must be completed before production can continue.

## 6.4 INSPECTION AND FINAL ACCEPTANCE PROCEDURE

- The Supplier will invite the DLS QAR for inspection by submitting a notification via the email system.
- As part of the notification the Supplier will submit the signed DLS92 Release Certificate and BHR to the following email address: dls-release@dlsys.co.za
- The DLS QAR will only act on the notification once received via the email system.

## 6.5 BUILT HISTORY RECORDS (BHR)

A BHR file will include a DLS92 Release Certificate, material certificates, crack detection certificates and measuring reports. All BHR to be clearly marked with the part number, item description and order number. The supplier will certify the certificates in the BHR file.

## 7 DELIVERY

- Each Gear and component will be packed in a lined with Bubble wrap in a box and a permanent label on two sides for identification purposes.
- Components be packed and marked to prevent any damages during transportation.
- The DLS 92 and delivery note will accompany the hardware to the DLS warehouse.
- All hardware to be delivered to the DLS Warehouse.

## 8 INDUSTRIAL PARTICIPATION

The Supplier will indicate the NIP / DIP obligations by completing the NIP / DIP declaration.

## 9 EVALUATION CRITERIA OF THE TENDER

The Tender will be evaluated according criteria as stated in paragraph 1 under sub paragraph 2.1.1 of the tender application

## 10 ESCALATION

The tables and values of Seisfa is applicable and the supplier is responsible for obtaining the information and the data from the Seisfa organisation.

## 11 ORDER PLACEMENT

An order will be issued as per annexure A of the schedule as per paragraph 4 of the Technical and Manufacturing Requirements document SC001 Rev 00.

## 12 EXECUTION PLAN

The Supplier must submit an Execution Plan for each deliverable which must include all main activities. The execution plan forms part of the tender documents.

## 16 NON DISCLOSURE AGREEMENT (NDA)

The Supplier will return a signed NDA before any drawings, datasheets, specifications or informational CDs and QA Requirements can be handed over for quotation purposes.

**APPROVED BY:**

Technical Expert: Christoffel Groenewald

Date:

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QAR : C Posthumus-Meyjes

Date:

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Senior Manager at SC: W Raven

Date:

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