



Specifications for glazing of Hall 5 & 6

1. Background

This specification is for the refurbishment of the existing cottage window panes in Hall 5 & 6 at the ARC-NRE facility at Silverton. The refurbishment is meant to protect the halls from being entered by birds and also improve the face of ARC in case we have external visitors. The requirements for refurbishment are detailed below under specification.

2. Scope of work

This scope of work covers glazing, glazed windows, glazing panels in windows, other glazed protective systems, and non-attached window retrofit systems used in buildings that may be subjected to intentional or accidental explosions. The scope covers the whole window frame, opening, and closing mechanisms, and the building structural steel behind the glass frames.

3. Specifications

The windows' height is the following:

	Height of windowsill above the ground	Height of window top above the ground	Number of window panes
Hall 5	±5.6m	±7.2m	1080
Hall 6	±4.1m	±6.6m	1440



Figure 1: Image of 6.6m end of one of the halls

3.1. Painting of all steel

- All rusted steel must be sanded with a flap disk that is mounted on an angle grinder after the old glass panes are removed.
- All Steel must be clean, dry, firm and dust free.
- Brush painted (No spray painting) with similar or equivalent to one coat metal care etch primer (SNK 100) thinned with similar or equivalent to Coastcote Thinners (SNK 7). Strictly to manufacturer's specification and instructions.

- Minimum paint thickness 20µm.
- Color: Red
- Brush paint one coat of paint similar or equivalent to Plascon Enamel Doors and trims (NY 1/g).
Strictly to manufacturer's specification and instructions
Color: Brilliant Green

3.2. Window opening mechanisms

- Ensure all window opening mechanism is in a good working condition.
- Replace 12 ropes with 6mmx3m nylon ropes.
- The rope length must be such that the opening mechanism can be operated from minimum 1.5m above floor level height.

3.3. Glass

- All glass to be 3mm Monolithic annealed clear glass.
- All glass must be cleaned after installation.
- Putty must be SANS 680 certified.
- Allow the putty to dry before painting.
- The glazed putty should not be left unpainted for more than 17 days.
- Putty must be painted same as steel specification

4. Standards & dimensions

- Descriptions (prices) of glass shall be deemed to include putty, springs, pegs or clips and removal , and the prefixing of glazing beads where applicable.
- All work to comply with the National Building Regulations & Building Standards Act SANS 10400 1990 (or latest). Local council requirements & all relevant specifications and codes are to be adhered to.
- The glazing and fixing of glass in buildings shall be carried out in strict accordance with SANS 10137
- Indicated dimensions to be taken in preference to scaling. Overall dimensions (external) to take precedence.
- All dimensions, levels and heights to be checked on site and any discrepancies to be reported to the Engineers before any work takes place.
- All dimensions on drawings and documents to be checked before commencing of any work and/or compiling of quotes.

5. Compulsory Requirements

5.1. Reference

- Three reference letters that indicate you have **successfully completed similar work**. The letter should be on a **letterhead of the company where services were provided with the value of work completed**.

5.2. Construction Industry Development Board

- The contractor must be certified as CIBD 2 GB/2 SG

5.3. Warranty

- The work must carry a warranty of one year from date of final commissioning at each site.
- The contractor shall be responsible for all glass broken, scratches, damages or defective during project execution
- Maintenance services must be provided within 48 hours of a request.

5.4. Site Briefing

- Site briefing compulsory

6. Contingency

- A contingency amount of 10% of the quoted price must be included in the quotation.
- **NOTE:** The contingency amount belongs to ARC therefore it's within our right to use.

Additional Information

- The above specified services should be rendered to:
 - Name of Institute : **ARC-IAE**
 - Address : **141 Creswell Road**
 - : **Weavind Park**
 - : **Pretoria**

- The particulars of the guarantee that will apply to the goods quoted for, with particular regard to the period and extent of the warranty must be clearly stated. Where services are required, service providers must submit documentation about the relevant experience.

- Your written quotation should be sent to:
 - Lungile Kubheka
 - E Mail: KubhekaL@arc.agric.za
 - 012 842 4078

- All price quotations that have a rand value of R30,000-00 to R50 000 000.00 including VAT, will be evaluated by applying the 80/20 principle as prescribed by the Preferential Procurement Policy Framework Act 5 of 2000 and its Regulations. The lowest acceptable price will score 80 points, the 20 BBEE points will be allocated as follows:

B-BBEE Status Level of Contributor	80/20
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant Contributor	0

11. Standard conditions

- The validity of the quotations must be indicated.
- Prices quoted should be in South African Rand and inclusive of VAT costs such as delivery, insurance, taxes, etc.
- No price adjustments or amendment of the delivery particulars contained in paragraph 2 will be considered by the ARC.
- The supplier accepts full responsibility for the proper execution and fulfilment of the goods/services quoted for.
- ARC reserves the right to accept or reject any special terms and conditions that may qualify the goods/services to be provided.
- Quotes should be submitted on official letterhead and duly signed
- Goods and services should be supplied/rendered upon receipt of a purchase order from the ARC
- The General Conditions of Contract issued by the National Treasury are applicable.
- The ARC supply chain management code of conduct is applicable.
- SBD Forms must be signed and returned together with the quotation if your price is above R10 000.00, failure to comply will result to disqualification of your quotation.
- Only quotations from suppliers who are requested to quote shall be evaluated and considered.
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- The ARC reserve the right to do due diligence on the quotations.
- The ARC reserve the right to benchmark prices quoted.

Table 1: Mandatory requirements:

No	Requirements	Comply (Yes/No)
i	Valid current Tax Clearance Certificate issued by the South African Revenue Services (SARS)	
ii	Completed Standard Bidding Documentation as included in the RFQ	
iii	Central Supplier Database (CSD) registration summary to be attached in order to register the supplier on the ARC supplier database.	
iv	Certified copy of the BBBEE certificate or sworn affidavit	
	Certified ID copy of the Directors.	
v	Pricing must include all relevant taxes and other charges, including delivery to the ARC. Pricing must be valid for 90 days from date of tender closure.	
vi	CIBD 2 GB/2 SG	
vii	1 Year Warranty	
viii	Three reference letters that indicate you have successfully completed similar work.	

Table 1: Compliance and Details to Offer.

Compliance and Details to Offer. It is compulsory that this table is fully completed (and electronically provided to SCM as part of the bid in a PDF format) since it would be used within the assessment and comparison of different service providers bidding on this RFQ. Non-compliance will negatively impact your offer and will result in exclusion from the RFQ process.

End-User

Mr. Ayanda Krwece

Signed 

Date 05/11/2021

Bid Specifications Chairperson

Dr. Khumbulani Dhavu

Signed 

Date 5/11/2021