

**SUPPLY, DELIVERY, AND INTALLATION OF 30 X 6-BAY RIFLE SAFES AND 60 X 6-BAY HANDGUN SAFES NATIONALLY****1. General requirements**

- 1.1 This specification covers the supply, delivery, and erection of 30 x 6-bay rifle safes and 60 x 6-bay handgun safes in various security buildings nationally (Transnet will confirm the installation sites).
- 1.2 The successful bidder will be required to demonstrate their competence to supply and delivery of the 30 x 6-bay rifle safes and 60 x 6-bay handgun safes.
- 1.3 "Client", means the TFR, (all either fully, partially, or not at all in capitals).
- 1.4 "Bidder" (all either fully, partially, or not at all in capitals), means and refers to the bidder, who is appointed in terms of this contract, irrespective of whether the contract is a direct contract with the client or a sub-contract with the Principal Bidder.
- 1.5 Bidders are required to check number of pages and drawings before submission of the bid pack, should the respondents find missing, duplication, arithmetic errors, or any other errors they should notify Transnet immediately.
- 1.6 Failure to fully comply with the requirements may result in disqualification of a bid submission. All particulars as set out in any schedules shall be filled in by the Bidders.
- 1.7 Bidders are reminded that all specifications issued to them are the property of the CLIENT and must be returned to the CLIENT whether a tender is submitted or not.
- 1.8 It may be required from a Bidder, before acceptance of his tender, to furnish proof to the satisfaction of the CLIENT that he is able to secure all the materials required to complete this contract within the time provided by him and accepted by the CLIENT.
- 1.9 Should it occur that any part or parts of the specification should be intelligible to the bidder or that the materials or the articles to be used in the execution of the works are considered to be insufficiently described, it is to be clearly understood the CLIENT representative shall be requested in writing to make clear his requirements in writing. The Bidder will be deemed to have carefully examined all the parts of this specification to this project.
- 1.10 The following International and National standards may have been referenced, as per the individual general and detail tender specification's requirements. Bidders shall ensure compliance with the updated and most recent standards as well as those that are not listed below:
  - 1.10.1 South African Bureau of Standards (SABS)
  - 1.10.2 Occupational Health and Safety Act (Act No 85 of 1993)
  - 1.10.3 SANS 953 – 2008 standards for safes
  - 1.10.4 SANS 751 – Burglar resistant safes
  - 1.10.5 SANS 953-1 Storage of firearms and ammunition
  - 1.10.6 SANS 1761 – Safes for domestic use
  - 1.10.7 SANS 1815 – Servicing, repair, and reconditioning of safes, strongroom doors, vault doors, and fire-resistant equipment
  - 1.10.8 SANS 10052 – The construction of strong rooms

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- 1.11 The bidder shall provide at least 3 (three) previous similar contracts successfully completed with contactable references. This is subject to verification.
- 1.12 Bidders are required to provide at the time of tendering the Schedules of equipment and materials offered, the manufacturers of the materials, on which their tender is based, and the catalogue numbers and other information by which the materials may be identified. The brochures of material offered shall be submitted with the tender to enable the unit concerned to be identified without ambiguity.
- 1.13 All materials and equipment used shall be of new or recent manufacture and shall be suitable for the environment and service for which it is to be used. This pertains; inter alias, to corrosion protection, UV stability etc.
- 1.14 If requested by the Client, the bidder shall submit samples of material and equipment for the Client's approval.
- 1.15 It shall be assumed that the bidder is conversant with the above-mentioned requirements. Should any requirement, by-law or regulation which contradicts the requirements of this specification apply or become applicable during the supply thereof, such requirement, byelaw or regulation shall overrule this specification and the bidder shall immediately inform the Client of such a contradiction. Under no circumstances shall the bidder carry out any variations in terms of such contradictions without obtaining the written permission to do so from the Client.
- 1.16 To comply with the OHS Act the bidder shall also adhere to the standing instructions applicable to the site as issued from time to time by the Engineer and/or Client.
- 1.17 The manufacturer will provide a certified STANDARD 3-year warrantee on all material and equipment proposed.
- 1.18 The Bidder must be accredited by the Private Security Industry Regulatory Authority (PSIRA) supply the security and related services. A valid and active PSIRA certificate of the bidding company must be submitted with the tender bid.

## **2. Standard Technical Specification (STS)**

- 2.1 The standard technical specifications cover the general technical requirements with regards to material and equipment. These specifications shall be read in conjunction with the rest of this contract in its entirety.
- 2.2 The conditions and/or specifications in this document shall be regarded as the absolute minimum requirement.
- 2.3 Once the supply has commenced with the appropriate approvals for using any type and make of material or equipment, the same type and make of material or equipment shall be used throughout the project for that specific application unless otherwise specified.
- 2.4 The workmanship under this contract shall be of a high standard and to the satisfaction of the CLIENT.
- 2.5 All materials and equipment supplied and/or installed under this contract shall be new, of high quality and the best of their respective kinds and shall comply with the requirements laid down in the latest editions of the relevant SABS and their amendments and with the requirements of this specification.

- 2.6 The bidder is warned to place all orders for material or special articles a week after the purchase order is issued to him by Transnet as he will be held solely responsible for any
- 2.7 delay in the delivery of such goods, unless such delay has been declared to the CLIENT in writing, who may unreasonably withhold acceptance of such delay and its resultant effects.
- 2.8 The bidder shall furnish, without delay, such samples for testing or other purposes as called for or may be called for by the CLIENT, who may reject all materials or workmanship not corresponding with the approved sample. Notwithstanding that samples and approved brands of materials etc. are exhibited or included in classified lists at the offices of the CLIENT, the CLIENT may retest any samples, brands of materials, etc. included in the contract and reject articles and materials, etc. that do not strictly comply with the specification.
- 2.9 In the case of a direct contract with the CLIENT the works must be completed in the time as tendered on the form of tender.
- 2.10 At all times for the duration of the contract, the work shall be carried out under the direct supervision of a qualified, skilled, and competent proxy of the bidder.

### **3. Fruitless consulting fees claimed**

- 3.1 Any additional expenditure by the CLIENT due to "malfunction" or "failure to perform" on the part of the bidder will be considered fruitless fees and shall be for the account of the bidder.

### **4. Practical completion**

- 4.1 Practical completion will only be granted when:
  - 4.1.1 supply and delivery of all material and equipment has been completed.
  - 4.1.2 Quality of material and equipment has been satisfactorily demonstrated.
  - 4.1.3 The Client is satisfied that the material and equipment are in the correct and specified manner.
  - 4.1.4 Transnet employee have been trained to a satisfactory level of competency.
  - 4.1.5 All information has been supplied to the Client for final approval. This includes all documentation as specified in this contract.
  - 4.1.6 Irrespective of the above mentioned, the Operator's Manuals must also contain short form instructions to enable trained operators (trained by the bidder) to use the material and equipment supplied.
  - 4.1.7 All the required documentation shall be to the satisfaction of the Client.
  - 4.1.8 Retention moneys (10% of the total contract value) will be withheld until such items are handed to and approved by the Client.

### **5. Standard technical specifications for the 6-bay rifle safe and 6-bay handgun safe**

- 5.1 Must conform to South African National Standard (SANS) 953-1:2008 specifications.
- 5.2 Must comply with the South African (SA) Gun Law specifications.

- 5.3 The rifle safe must house up to 6 rifles (6 x rifle mounts) and the handgun safe must house up to 6 handguns (6 x mounts).
- 5.4 A commercial (or higher) quality mild steel shall be used for the construction of the body and door of safes.
- 5.5 A door handle shall be made of:
  - 5.5.1 a corrosion-resistant material
  - 5.5.2 a metal that has been electroplated, or
  - 5.5.3 a metal that has been painted with a paint finish.
- 5.6 The welds shall be fusion welds that are free from cracks, porosity, cavities, and trapped slag, and penetration shall be to the specifications of the type of welding used (e.g., STICK, MIG, TIG).
- 5.7 Welds shall merge smoothly into the adjacent surfaces, without pronounced humps, or craters, and the parent metal adjacent to the weld shall be free from cracks.
- 5.8 Where exposed on the outside of a safe, welds shall be ground flush with the parent metal, to give a smooth finish.
- 5.9 The locks, hinges, and bolt work shall be constructed and installed that they operate easily and efficiently.
- 5.10 The components of the bolt work and of the relocking device (fitted) shall be so constructed and assembled that any component can be repaired or replaced without undue difficulty. The lock shall not be welded onto the door.
- 5.11 The moving parts of locks, bolt work, hinges, etc. shall be so designed and constructed that they will still operate acceptably after having been subjected to the durability tests mentioned on clause 6.
- 5.12 The body, door, door frame, hinges and similar components shall be strong enough, and the assembly rigid enough, to ensure proper alignment of doors and door frames.
- 5.13 A door shall be mounted that it opens and closes easily. When the door is closed, no gap between the door and the door frame shall exceed 3mm.
- 5.14 The keyhole shall be neatly finished.
- 5.15 When the door is closed and locked, there shall be no movement of the door more than 2mm when force is applied manually to the handle.
- 5.16 The firearm safe shall be fitted with at least one lever lock or at least one combination lock or at least one electronic lock.
- 5.17 A lever lock (if used) shall have at least six levers, of which at least three shall have false notching. The design of the lock shall be such as to allow at least 5 000 different settings. Each lock shall be provided with two keys. When a lever lock is tested in accordance with 5.11, it shall be possible, at the end of the test, to operate the lock by means of the key.
- 5.18 A combination lock (if used) shall be of at least the three-wheel type. The design of the lock shall be such as to allow at least 1 000 000 different combinations. All combination locks shall require the use of a key for changing the combination and shall comply with the requirements of EN 1300 class B.
- 5.19 When electronic locks are used on their own or in tandem with existing locks, they shall comply with the requirements of EN 1300 class B. Electronic locks shall be of the stand-alone type and shall not interfere with the existing locks.

- 5.20 The door of a firearms safe shall be fitted on the inside with a sheet steel lock case and bolt work cover that is removable or so hinged as to afford access to the lock and bolt work.
- 5.21 All machined parts shall be finished smooth and free from ragged edges and tool marks.
- 5.22 When not made of corrosion-resistant materials, the safe and the lock and bolt work shall be so protected as to resist the corrosive influences on which they may be subjected in normal service.
- 5.23 A safe of net mass 300 kg or less containing any firearm(s) shall always be permanently fixed either inside a structure or in a vehicle. Safes shall never be left standing loose.
- 5.24 Inside structures a safe shall be affixed flush to the floor or wall (or preferably both) or other immovable structure or part thereof of a house, flat, residence or other dwelling place.
- 5.25 Where the floor is not suitable for fixing with M10 x 80 mm long (penetration length) anchor bolts, the safe shall be fixed to a concrete base of strength 15 MPa of dimensions 300 mm deep x 450 mm x 450 mm or the dimensions of the safe, whichever dimensions are the greater.
- 5.26 Where the wall is constructed of hollow core brick, the holes shall be filled with a non-shrink grout or epoxy/sand mixture of 10 MPa strength for the fixing of the M10 x 80 mm long (penetration length) anchor bolts.
- 5.27 The safes shall have at least two holes in the back wall or in the side walls (or in both), and two holes in the floor plate.
- 5.28 The door frame shall be of bent and welded construction with a rebate of at least 10 mm on all four sides of the frame.
- 5.29 The safe shall have at least three moving bolts on the front edge of the door; on the hinge side of the door, it shall have:
- 5.29.1 at least three fixed or moving locking bolts, or
- 5.29.2 a steel angle-section of thickness at least 5 mm along at least 90 % of the hinge side, welded to the door, and fitted with gussets to prevent binding.
- 5.29.3 The distance between locking bolts shall not exceed 500 mm.
- 5.30 Bolts shall be of diameter at least 20 mm for a type B2 safe.
- 5.31 The doors shall have a top and a bottom hinge so fitted that the door can be swung open to at least 120°
- 5.32 Each safe shall be supplied with anchor bolts of size M10 and with a penetration depth of 80 mm and washers 30 mm in diameter and of thickness at least 3 mm.
- 5.33 Each safe shall bear the following information on legible and indelible marking plates permanently fixed to the door:
- 5.33.1 On the outside
- 5.33.1.1 the manufacturer's name, trade name or trade mark;
- 5.33.1.2 the manufacturer's serial number; and
- 5.33.1.3 any other marking required by the purchaser.
- 5.34 On the inside
- 5.34.1 the words "Firearms SAFE"; and
- 5.34.2 the type of safe.

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