

**APPOINTMENT OF SUPPLIERS FOR SUPPLY AND DELIVERY  
OF  
INVERTERS, LITHIUM-ION BATTERIES AND SOLAR PANELS  
(ALTERNATIVE ENERGY EQUIPMENT)**

**SARS OFFICES**

**SOUTH AFRICAN REVENUE SERVICE – REQUIREMENTS AND SPECIFICATIONS**

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## 1. EXECUTIVE SUMMARY

Due to the increase on Loadshedding and with the urgency to ensure that the Branch Operations of SARS stays operational during these prolonged outages. This is also in line with the drive from Government to limit out carbon footprint and to utilize alternative energy sources.

All the Branch Offices are being backed-up by UPS power system and Generators to ensure “business as usual”. However, the UPS systems have limited “run time” and the Generator fuel costs are huge.

To comply with the Government legislation the following applies:

- Adopt energy saving measures to contain the effects of the disaster and prevent the escalation of the electricity supply shortfall.
- Ensure continuous operation of essential infrastructure and services, including installing alternative energy sources and other measures to provide an uninterrupted power supply.

## 2. DESCRIPTION OF THE REQUEST

This request covers the following scenario's:

- Supply of Inverters, Lithium – Ion Batteries and Solar Panels
- The capacity of these systems is listed below.

### 2.1 Pop-Up Offices in Malls and Shopping Centres:

- All in one portable cabinet solution fully integrated including all wiring.
- 7kw Single phase inverter with 7800W MPPT 500VDC Solar input – 5-year warranty
- 10.2KW LifePO4 battery with a 10-year service life with Battery Management system minimum 3500 cycles
- All wiring and fuses integrated into solution.
- Automatic Overload and Surge protection
- Automatic failover from mains to battery
- Three phase and parallel option should be available.
- 14 x 650W Solar panels (Optional), Dependent on location and duration (Solar Panels -12-year Warranty & 25-year linear power output)
- Number of offices to receive this spec = **10**

## 2.2 Small Offices:

- 1 x12 kw 3 phase inverters (12KW output) with Wi-Fi Monitoring included – 5-year warranty.
- 5 x 48v Lithium batteries 5kw each (25KWh Backup) 10-year warranty - minimum 3500 cycles.
- Or Consider 10-20kw units or single 30/24kw unit.
- 24 x 650W Solar panels (15.6KWp) - 12-year Warranty & 25-year linear power output.
- Number of offices to receive this spec = 17 (Pricing Quantity formular-Region 1:1\*4=4 , Region 2: =1\*7=7 and Region 3 :1\*6=6)

## 2.3 Medium Offices:

- 3 x12 kw 3 phase inverters (36KW Output) with Wi-Fi Monitoring included – 5-year warranty.
  - Or consider single 50kw unit.
  - 15 x 48v Lithium batteries 5kw each (75KWh Backup) 10-year warranty - minimum 3500 cycles
  - or Consider 10-20kw units or 80/64kw unit?
  - 72 x 650W Solar panels (62.4KWp)- 12-year Warranty & 25-year linear power output
- Number of offices to receive this spec = 17 (Pricing Quantity formular-Region 1: 3\*4= 12 , Region 2: =3\*5=15 and Region 3 :3\*8=24 )

## 2.4 Large Offices:

- 6 x12 kw 3 phase inverters (72KW Output) with Wi-Fi Monitoring included – 5-year warranty.
- Or Consider 2 x 50kw units.
- 30 x 48v Lithium batteries 5kw each (150KWh Backup) 10-year warranty - minimum 3500 cycles.
- or Consider 10-20kw units.
- or 2 x 80/64kw unit.
- 144 x 650W Solar panels (93.6KWp) - 12-year Warranty & 25-year linear power output.

- Number of offices to receive this spec = 11 (Pricing Quantity formular-Region 1:  $6 \times 6 = 36$ , Region 2:  $=6 \times 3 = 18$  and Region 3 : $6 \times 2 = 12$ , )

### 3. Quality:

The quality of the material must be from a reputable supplier which supplies high quality equipment and is offering an industry standard warrantee. The supplier must also be able to have a “similar or better” policy which covers premature failures due to poor or sub-standard manufacturing standards.

In case of unit failure, a loan units must be available when repairs are done on the faulty unit.

### 4. Footprint in the Regions

- The supplier/s must have footprint in a region they are bidding for.

### 5. Objective criteria and allocation methodology

5.1.1 SARS's objective criteria is based on its risk management framework as well as the equitable distribution and sharing of resources amongst suppliers. For SARS to achieve its objective criteria, SARS' intention is to appoint different bidders for each region. SARS therefore aims to award a maximum of one (1) region to a bidder for which the bidder has submitted a bid. The bid is designed to provide a framework that will enable a broad base of bidders an opportunity to participate.

5.1.2 In the event that a bidder(s) has scored the highest number of points (first ranked scoring bidder) on consolidation of preference points for more than one region, SARS will apply the following allocation methodology criteria:

- a) The bidder(s) in question will be considered for award for the region with the highest contract portion value for which the bidder(s) has submitted a bid;
- b) The other region(s) to which the bidder(s) has scored the highest number of preference points will be considered for award to second ranked scoring bidder(s);
- c) In the case where the second ranked scoring bidder(s) is already a first ranked scoring bidder(s) in another region, the bidder(s) next in line of ranking will be considered for award for that region.

5.1.3 In the event, that there are regions that remain unallocated after the maximum allocation of one (1) region per bidder, SARS reserves the right to allocate the remaining region(s) to the first ranked scoring bidder.

5.1.4 In the event this allocation methodology results in material price differences that are unaffordable to SARS and materially exceed the budget value/allocations, SARS reserves the right to award the specific region to the first ranked scoring bidder, notwithstanding the above objective criteria.

## 6. Tender Award Methodology

6.1.1 In line with paragraph 5.1.1 to 5.1.4, the tender aims to award a maximum of one (1) region per bidder:

| No. | Regions  |
|-----|--|
| 1.  | Region 1<br>Gauteng  |
| 2.  | Region 2<br>Eastern Cape, Free state<br>Northern Cape and Western Cape |
| 3.  | Region 3<br>KZN, Limpopo<br>Mpumalanga and Northwest                   |

6.1.2 A list of SARS regions and offices are attached as **Annexure B**.

## 7. PRICING

Bidder must ensure that all costs related to the supply of the goods are presented, no additional costs can be entertained after the tender is awarded.

7.1.1 Pricing Structure -

a) Bidders must indicate the region(s) they are bidding for and their preferred region **Annexure D**.

b) Bidders must price all line items per region(s). Note: please refer to Pricing Schedule as per **Annexure C**.

7.1.2 Bidders must note that the number of Quantities indicated in the pricing template are estimates. These numbers will be used for comparative pricing evaluation purposes and the final number will be negotiated with the winning bidder post tender award.

**8. Special condition**

Bidders will be required to deliver the ordered goods at the time of implementation or installation at SARS Offices. The list of SARS offices is attached herein as **Annexure B**.