

ADDENDUM No: 1

CTICC 036/2016: Supply and Delivery of Complete Backup Generator Sets

CTICC

Dear Tenderer,

1. **Amendment of technical specifications.**

An amendment has been made in the technical specifications of the tender document issued to all the bidders.

Please remove **page number 8** in the technical specifications (in the back of the tender document) and replace with the attached new amended page with the same number.

Kind Regards;



Willem Scholtz (Assistant Supply Chain Manager)
Cape Town International Convention Centre

3.8 Radio and TV Interference

The generating set shall be suitably suppressed within the limits of BS 800 against radio and television interference.

4. Generator Control Panel

4.1 1 000kVA Back-up Generator Configuration

Amongst the automatic change-over feature, this controller must allow for the operation of multiple parallel generator units control and synchronisation. The controller should have an on-board LED display and should have the capabilities for remote communications with Modbus support and must be integrated into the existing CTICC BMS. A full Modbus register list must be supplied to the CTICC along with training on the controller settings.

Final configuration to be 2 x 1 000kVA generators synchronised operating in parallel.

4.1 500kVA Back-up Generator Configuration

Amongst the automatic change-over feature, this controller must allow for the operation of multiple parallel generator units control and synchronisation. The controller should have an on-board LED display and should have the capabilities for remote communications with Modbus support and must be integrated into the existing CTICC BMS. A full Modbus register list must be supplied to the CTICC along with training on the controller settings.

Please note that to get the unit into final position there is a width restriction of 1400mm.

Final configuration to be 1 x 500kVA generator with a 250kVA generator as back-up.

4.3 Construction

The panel shall be freestanding and designed for the control of the diesel generating set with instrumentation and protective devices required to meet application of both manual and automatic systems.

The control panel shall be of robust construction; floor mounted, totally enclosed and dust proof.

It shall be folded, 1.6mm thick cold rolled sheet steel, construction suitable for front entry through hinged doors. Internal chassis plates, circuit plates, circuit breaker pans and gland plates shall be provided. Special attention shall be given to vermin proofing and dust sealing.

Prior to painting, all steelwork must be thoroughly degreased and de-rusted and then primed with a zinc chromate primer. All internal steel surfaces, including chassis plates, gland plates and switchgear brackets, shall be painted with white powder epoxy paint and all exterior steel surfaces finished with red powder epoxy paint.

4.4 Bus Bars, Wiring, Switchgear, etc.

All bus bars and wiring shall be adequately rated and suitably supported, and control wiring shall be neatly laced and numbered with durable plastic ferrules, for easy tracing. Suitable terminals are to be provided for incoming and outgoing cables. Suitably sized holes shall be punched in the gland plates for the required number of cable terminations for both incoming and outgoing cables. The cables shall be secured to the gland plate by means of cable glands. The aluminium gland plate shall be suitably braced to prevent distortion after the cables are glanded thereto.

Circuit breakers are to be of moulded case construction.

All instrumentation shall be of 5% accuracy and their performance shall comply with BS 89.

The instruments shall be flush mounted and the dial dimensions shall be 96mm x 96mm.

Supplier must give assurance that replacements for the equipment, switchgear and instruments used in the construction of the panel are readily available from stock held in the Republic of South Africa.