



NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 120545

INSTALLATION, REFURBISHMENT OF AIRCON CHILLERS FOR NKANGALA DISTRICT MUNICIPALITY BUILDING (RE-ADVERT)

SCOPE OF WORK

Part C3: Scope of Work

C3 Scope of Work

C 3.1 DESCRIPTION OF WORKS

Nkangala District Municipality intends to appoint service for the installation, refurbishment of Aircon chillers for Nkangala District Municipality building

It is a specific goal of this project that the air conditioning system of the office building be refurbished in line with standards of the manufacturer. The project is thus process and product oriented, and it is expected that the contractor will pursue these goals in the execution of the project.

The installation and refurbishment will be executed in a multi-year program, the works shall be done in two (02) phases. Phase one (2021/22 FY) of the project shall be the installation and refurbishment of aircon chillers 1-2 that includes pumps and programming as stipulated in the BOQ. The second phase (2022/23 FY) of the project shall be done in line with the budget provision allocated for the completion of the project, which will be the completion of the remaining works which is chiller 3-4 that includes the pumps and programming as stipulated on the BOQ.

C 3.2 RESTRICTION OF WORKING HOURS AND WORKING PLACE

The existing premises will be occupied, and a restriction will be placed on working hours and areas for execution of the work. Contractor will have to liaise with employer's agents for specific requirements.

C 3.3 PROCUREMENT

The tenderers notice is drawn to the fact that the awarding of this tender will be in terms of



the supply chain management policy of the Nkangala district municipality and the conditions of tender are the standard conditions of tender as contained in the CIDB standards for uniformity in construction procurement (available on www.cidb.co.za)



C 3.3 SUB-CONTRACTING

No work may be sub-contracted to another party unless approval is by the municipality in written. The contractor is to submit to the municipality in writing a request for appointment of a particular sub-contractor.

C 3.4 EXISTING SERVICES

The contractor shall so carry out all his operations as not to encroach on or interfere with and damage adjoining lands, building properties, roads, structures in the vicinity of the works, and he shall free and relieve the employer of any liability that may be incurred in consequences of his failure to do so.

No excavation is to take place until a representative from the municipality has been contacted and pointed out the existing services to the contractor and confirmed it in writing, the same shall apply to all Telkom services in the area.

C 3.5 HEALTH AND SAFETY

All work is to be carried out in accordance with the occupational health and safety act and regulation (act 85 of 1993) and the explosive material act of (act 26 of 1956).

The contractor's notice is drawn to the stipulations of the construction regulations 2003, regulation of the health and safety act 1993(government notice no R1010 of 18 July 2003). The construction regulation will be applied vigorously on the project.

The contractor to be appointed must have made provision for the cost of health and safety measures during construction process. The contractor must have the necessary skills. Competencies and resources to carry out work safely. The contractor is to ensure that all legal compliance for the health and safety issues are in place and audits will be carried out to ensure that the contractor is registered and in good standing with the workmen's compensation fund and that the contractor has insurance indemnity.



C 3.6 SPECIFICATIONS

C 3.6.1 INSTALLATION AND REFURBISHMENT OF AIRCON CHILERS

Chiller Controller (Programmable) Complete with Digital Display and Operating Buttons
Extension Module
Electronic Expansion Valve Module
Condenser Fan Drivers
Electronic Expansion Valves
Head Pressure Sensor
Head Pressure Safety Switch
Back Pressure Sensor
Discharge Temperature Sensor
Suction Temperature Sensor
PHE Temperature Sensor
Outdoor Air Temperature Sensor
Chilled Water in Temperature Sensor
Chilled Water Out Temperature Sensor
Water Flow Switch
Control Wires
Provision For Circuit Breakers
Provision For Relays
Accessories, Consumables and Utilities
Mileage

Polyol Ester – POE63 Oil / Litre
Refrigerant 407C / Kilogram
Replacement Heat Exchanger Insulation
Replacement Chilled Water Piping Insulation, including painting and cladding
Accessories, Consumable and Utilities