

## Quotation Advert

Opening Date: 2019-05-27

Closing Date: 2019-06-10

Closing Time: 11:00

### INSTITUTION DETAILS

Institution Name: King Edward VIII hospital

Province: KwaZulu-Natal

Department or Entity: Department of Health

Division or section: Central Supply Chain Management

Place where goods / services is required: KING EDWARD VIII HOSPITAL N-BLOCK

Date Submitted: 2019-05-22

### ITEM CATEGORY AND DETAILS

Quotation Number: ZND:  
KM 8719

Item Category: Services

Item Description: INSTALL FREE STANDING ELECTRICAL BOILER AT N-BLOCK AS PER SCOPE

\*QUOTES TO BE HANDED OUT AFTER SITE MEETING

Quantity (if supplies)

### COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type: Compulsory Briefing Session

Date: 2019-05-03

Time: 11H00

Venue: KING EDWARD VIII HOSPITAL OUTSIDE MAINTENANCE

QUOTES CAN BE COLLECTED FROM: KHULANI MTHEMBU

QUOTES SHOULD BE DELIVERED TO: KING EDWARD VIII HOSPITAL TENDOR BOX

### ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name: MISS NOMINDE NCUME

Email: KHULANI.MTHEMBU@KZNHEALTH.GOV.ZA

Contact Number: 031 360 3446

Finance Manager Name:

Finance Manager Signature:

  
No late quotes will be considered

## Scope of works:

### **The manufacture and installation and commissioning of 36kw electrical free standing boiler at N-Block.**

#### **1. Roof.**

Install 6 meter long roof (IBR) (same type and construction as opposite roof with side boards) and wood trusses (to support roof) between N block and N block passage to cover heat exchanger area.(fall of roof to use existing available guttering)

#### **2. Free standing 36kw package boiler in CSSD**

3. Move and mount in N Block hot water plant.

4. Repair boiler level control probes on free standing boiler.

5. Replace (PQM60) boiler feed water pump in boiler housing frame and connect pump suction side to condensate tanks

6. Connect boiler steam supply to heat exchanger.

7. AIA (3<sup>rd</sup> party) hydraulic boiler inspection to be carried out.

#### **8. Free standing boiler condensate tank addition**

PQM60 boiler feed water (to be installed new) pump is to take water from condensate collection tank Water from condensate collection tank and feed boiler through

9. Install cobra (brass ball float valve) in tank to feed fresh water into collection tank when needed.

10. Install water meter on in coming line of water to condensate tank.

#### **11. Power supply for free standing boiler**

12. Install suitable 50mm PVC armored cable supporting current draw from free standing boiler to nearest DB with available current capacity.

13. Cable capacity must maintain 60 amp continuous current draw minimum.

14. Existing electrical panel additional configuration and installation:

14.1 All three pressure switches (with a range of 5 bars) switch on all 3 contactors (20 amps each) on initial startup.

14.2 Each contactor must kick out in three phases as

14.3 A three contactor (connected to Danfoss pressure switches) modulating system is to be install that will allow each 4 kw element of each of the 12 kw element unit to drop out and come in as steam demand is needed.

14.4 Each 4 kw element of the 12kw element unit is to run on each separate phase for load balancing purposes.

15. Install +-70 meter cable (to be confirmed by yourself onsite)from substation 4 plant room (it has currently 250 amp main isolating switch)

16. Hand over all relevant AIA boiler inspector onsite testing documents.

17. COC certificate to be issued on hand over of installation.

Please note ; any materials or spares not in this document must be allowed for to complete the installation.