



SUPPLY CHAIN MANAGEMENT UNIT
PROCUREMENT SPECIFICATIONS FORM(R 30 000 – R 200 000 VAT INC)

SPECIFICATIONS: OF PRODUCTS

DETAILED DESCRIPTION	COLOUR (IF APPLICABLE)
<p><u>Provision of repairs and servicing of Chillers, Cooling Towers, Plant Rooms Air Fans etc in Town and Banquet halls, Civic Theatre and Library:</u></p> <p>1. Items to be repairs and service includes the following:</p> <p><u>PHASE 1: CIVIC THEATRE VEREENIGING:</u></p> <p><u>1 X Chilled water pump/motor:</u> MAKE – fenner motoline SIZE – 7.5kw AMPS – 14.8 A DB – 6208 - 2Z NDE 6208-2Z</p> <p><u>PUMP</u> MAKE – KSB17.09.2004 TYPE ETA 80 – 250 S/N – 9970692859 – 200 IMPELLER – C/S 259mm</p> <p><u>Repairs (Motor Seized)</u></p> <ul style="list-style-type: none"> • Assembly needs to be stripped out • Replace motor bearings • Replace pump bearings • Service motor • New gland packings to be installed • Inspect impeller • 3 X new 35 amps fuses class Q1 BS 881 967 Tis 50 <p><u>1 x Condenser water pump / Motor</u> MAKE – fenner motoline Size – 11 kw Amps – 21.2A DB – 6309 C3 NDE 6309 C3</p> <p><u>PUMP</u> MAKE – KSB TYPE – ETA 80 – 315 S/N – 9971600714 – 200</p>	<p>N/A</p>

IMPELLER – F/S 319 mm

Repairs pumps bearings seized + water

- Assembly needs to be stripped out
- Replace motor bearings
- Replace pump bearings
- Install new gland packings
- Inspect impeller
- 3 X new 40 Amps fuses class Q1 BS 881 967 Tis 50

1 X Hot water pump / Motor

MAKE – Fenner Motoline

SIZE – 5.5kw

S/N – 2002 EAJ

RPM – 2915 2pole

DB – 6208 - 2Z NDE 6208-2Z

PUMP

MAKE – KSB

S/N – 9970692799 – 200

TYPE – ETA 40 - 200

IMPELLER – 194mm

Repairs

- Assembly needs to be stripped out
- Replace motor bearings
- Replace pump bearings
- Install new gland packings
- Inspect impeller
- 3 X new 50 Amps fuses class Q1 BS 881 967 Tis 50

BMS - Controller

MAKE – Invensys MN 620

MODULE – 1/A Series MN 440

TOUCH PAD ~ Invensys

Repairs

- Service BMS
- BMS outputs to be checked
- 1 X new return air sensor
- BMS to be calibrated

CHILLER

MAKE – Carrier

MODEL – 30 HXE 120 385V

SERIAL NO. – 280467248

N/A

REFRIGERANT – R 134 A
COMPRESSOR 1 – 06 NW 2209 NA
COMPRESSOR 2 – 06 NW 2209 NA
OIL FILTER – AOC FHI (X2)
1 ¼ “
CLIENT REF – 30 GX 417 – 132 - EE
DRIER CORE – VS 969 – XW 12 GB 008 EE (X2)
Group 2
2 Cores
TYPE XW 12
38 kw
K-line

Repairs

- Tubes needs to be chemically cleaned
- Tubes needs to be brushed
- Compressors requires oil changes
- Refrigerant circuit requires filter core changes
- 1 X circuit needs leak repairs
- Oil analysis required

1 X Airhandling Unit

- Carried out servicing
- Filters needs replacement (Supplied by Client – SDM)
- Replace 1 X Motor bearings
- 3 X New V-Belts

1 X COOLING TOWER

MAKE – BAC
MODEL – VXC – 52

Repairs

- Replace circulating pump shaft seal
- 10 X Nozzles + Grommets
- 1 X Strainer

PHASE – 2: TOWN AND BANQUET HALLS AND LIBRARY:

1 X Chilled water pump / Motor:

MAKE – KSB
S/N – 9970713097/300/1
TYPE – ETA 125 – 400
IMPELLER – 398mm

MOTOR

MAKE – Dutchi
TYPE – DMZA 2256 s/M4

N/A

RPM – 1400
KW – 45
DE – 6313
AMPS – 83 A
KG – 320 kg

REPAIRS

- Requires new shaft seal / Mechanical
- Requires new pump bearings + seal
- Casing needs repairs

1 X CONDENSER WATER PUMP

MAKE – KSB
S / N – 9970173097/200/1
TYPE – ETA 150 – 400
IMPELLER – 338mm

MOTOR

MAKE – motorelli
S / N – 3689
KW – 38kw
NDE – 6313 C3
DE – 6313 C3
KG – 325kg
RPM – 400
AMPS – 65A

REPAIRS

- Requires new shaft seal / Mechanical
- Requires new pump bearings + seal
- Casing needs repairs

1 X HOT WATER PUMP / MOTOR

MAKE – KSB
TYPE – ETA 80 / 315
S / N – 9970 692 303 / 200
IMPELLER – F/S 319

MOTOR

MAKE – Fenner Motoline
S / N – 20116 ECJ
DE – 6309 2Z
NDE – 6309 2Z
KW – 15kw

N/A

REPAIRS

- Requires new shaft seal / Mechanical seals
- Requires new pump bearings + seals

CHILLER 1

MAKE – Carrier

MODEL – 30 HXE 190385

SERIAL NO. – 280 4B 67236

REFRIGERANT – R 134A

COMP 1 – 06 NW 2300 EA

COMP 2 – 06 NW 2300 EA

OIL FILTER – LNO 347 (X2)

REFRIGERANT FILTER – VS 691 3B CAR (X2)

Group 2

TYPE – XW 12 GBD10EE

2 Cores

REPAIRS

- Tubes needs to be chemically cleaned
- Tubes needs to be brushed
- Compressors needs oil changes
- Compressors needs new refrigerant driers
- Oil analysis to be carried out
- Log Chiller

N/A

CHILLER 2

MAKE – Carrier

MODEL – 30 HXE 190 385V

SERIAL NO. – 280 4B 67237

REFRIGERANT – R 134A

COMP 1 – 06 NW 2300 EA

COMP 2 – 06 NW 2300 EA

OIL FILTER – LNO 347 (X2)

REFRIGERANT FILTER – VS 691 3B CAR (X2)

Group 2

TYPE – XW 12 GBD10EE

2 Cores

REPAIS

- Tubes needs to be chemically cleaned
- Tubes needs to be brushed
- Compressors needs oil changes
- Compressors needs new refrigerant driers

- Oil analysis to be carried out
- Log Chiller

AHU 1 + 2

- ⊖ Chilled water fan coil unit

REPAIRS

- New filters (supplied by Client – SDM)
- 1 X Gate valve
- New basket filter
- Painting

AHU 3 + 4

- ⊖ Chilled water fan coil unit

REPAIRS

- New filters (supplied by Client – SDM)
- New filters gasket set
- Paint

AHU 5 + 6

Chiller water fan coil unit

REPAIRS

- New filters (supplied by Client – SDM)
- Filter frame needs to be repaired
- Pressure switch control
- 2 X V – Belts 17N X 2300
- Painting

COOLING TOWER

MAKE – BAC

MODEL – VXC 100

REPAIRS

- Replace circulating pump shaft seal
- 12 X Nuzzles + Grommets
- 1 X Strainer
- 1 X Drain gate valve



Please note THAT:

- ✚ All equipments requires painting
- ✚ Compressor A1 Chiller no 2 needs to be checked before quotation submitted if major overall or it will needs replacement.

✚ **Upper parking airfan B**

- Repair/replace fan pulling and bearings

N/A

 **Motor – Make induction motor:**
 Replace motor V-Belts X 2, motor size 11kw (bearings SKF 6310Z)

⊞ **Please note that completion of the job must be done within 15 days after official order has been issued to the approved supplier.**