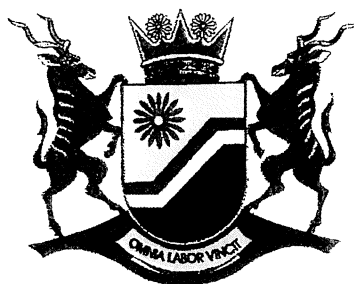


MPUMALANGA PROVINCIAL GOVERNMENT



DEPARTMENT OF PUBLIC WORKS, ROADS & TRANSPORT

BID NUMBER PWRT/2499/22/MP

**PREPARATION OF STEAM BOILERS FOR INSPECTION
ACCORDING TO THE OCCUPATIONAL HEALTH AND
SAFETY ACT (ACT 85 OF 1993) AS WELL AS GENERAL
MAINTENANCE, REPAIR AND INSTALLATION OF NEW
STEAM GENERATING PLANTS AT VARIOUS INSTITUTIONS
IN EHLANZENI AND BOHLABELA DISTRICT
MUNICIPALITIES OF MPUMALANGA PROVINCE FOR A
PERIOD OF THREE YEARS**

ISSUED BY:
DEPARTMENT OF PUBLIC WORKS, ROADS & TRANSPORT
PRIVATE BAG X11310
NELSPRUIT
1200

NAME OF BIDDER :



MPUMALANGA PROVINCIAL GOVERNMENT

DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT

**PREPARATION OF STEAM BOILERS FOR INSPECTION ACCORDING TO THE
OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AS WELL AS GENERAL
MAINTENANCE, REPAIR AND INSTALLATION OF NEW STEAM GENERATING PLANTS AT
VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DIST**

PWRT/2499/22/MP

**The Department of Public Works, Roads
& Transport**

Private Bag X11310
Riverside Government Building
NELSPRUIT

Contact:

Name: J MAVHUNGIRE

Telephone: (013) 766 0886

Telephone:

Compiler: Departmental

NAME IF BIDDERR:

TOTAL BID PRICE (VAT INCLUSIVE): R.....

(Also in words):.....

[- To be completed by tenderer]

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE					
BID NUMBER:	PWRT/2499/22/MP	CLOSING DATE:	16/03/2022	CLOSING TIME:	12H00
DESCRIPTION	PREPARATION OF STEAM BOILERS FOR INSPECTION ACCORDING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AS WELL AS GENERAL MAINTENANCE, REPAIR AND INSTALLATION OF NEW STEAM GENERATING PLANTS AT VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DIST AT VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DISTRICT MUNICIPALITIES FOR A PERIOD OF THREE YEARS				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7). BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
MBOMBELA, Riverside Government Complex, Building No 9, Government Boulevard, Mbombela, 1200, PIET RETIEF, No. 11 Measroch Street, Piet Retief Office, KWAMHLANGA, KwaMhlanga Government Complex, Department of Finance, Building No. 12, Computer Centre EVANDER, 10 Cornell Road (previously occupied by Evander Home Affairs Offices), Evander, 2280, BUSHBUCKRIDGE, Bushbuckridge Advice Centre, Department of Finance, Protea building (old Telkom building), MIDDELBURG, Department of Public Works, Cnr. Lillian Ngoyi and Dr Beyers Naudé Streets – Old TPA Building, Upper ground floor, Office numbers A20, 21 and 25, MALELANE, 24 Air Street, Malelane					
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
		TCS PIN:		OR	CSD No:
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		☐ Yes ☐ No
IF YES, WHO WAS THE CERTIFICATE ISSUED BY?					
AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX		☐	AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA)		
		☐	A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS)		
		☐	A REGISTERED AUDITOR		
		NAME:			
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT (FOR EMEs & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ANSWER PART B:3 BELOW]
SIGNATURE OF BIDDER	.....	DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g. resolution of directors, etc.)			
TOTAL NUMBER OF ITEMS OFFERED		TOTAL BID PRICE (ALL INCLUSIVE)	
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:	
DEPARTMENT/ PUBLIC ENTITY	DPWRT	CONTACT PERSON	MR. R GROBLER
CONTACT PERSON	MR. JT MAVHUNGIRE	TELEPHONE NUMBER	013 766 8910
TELEPHONE NUMBER	013 766 0886	FACSIMILE NUMBER	
CELL. NUMBER	076 974 1558	CELL. NUMBER	
FACSIMILE NUMBER		E-MAIL ADDRESS	RUDIGROP@GMAIL
E-MAIL ADDRESS	MavhungireJT@mpg.gov.za		

SBD1

PART B TERMS AND CONDITIONS FOR BIDDING

- | |
|--|
| <p>1. BID SUBMISSION:</p> <p>1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.</p> <p>1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED--(NOT TO BE RE-TYPED) OR ONLINE</p> <p>1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.</p> <p>1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.</p> <p>1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.</p> |
|--|

1.6. OFFER TO BE VALID FOR 90 DAYS FROM THE CLOSING DATE OF BID

2. TAX COMPLIANCE REQUIREMENTS

2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.

2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.

2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.

2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.

2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.

2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?
☐ YES ☐ NO

3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA? ☐ YES
☐ NO

3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?
☐ YES ☐ NO

3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA?
☐ YES ☐ NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID

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Contents

Number	Heading
The Tender	
	Evaluating Criteria
Part T1:	Tendering procedures
T1.1	Tender Notice and Invitation to Tender
T1.2	Tender Data
Part T2:	Returnable documents
T2.1	List of Returnable Documents
T2.2	Returnable Schedules
The Contract	
Part C1:	Agreement and Contract Data
C1.1	Form of Offer and Acceptance
C1.2	Contract Data
C1.3	Form of Guarantee - None
C1.3	Construction Guarantee – None
C1.4	Adjudicator's Contract - None
Part C2:	Pricing data
C2.1	Pricing Instructions
C2.2	Schedules or Quantities
Part C3:	Scope of Work
C3	Scope of Work
Part C4:	Site information
C4	Site Information - None

Evaluation Criteria

PREQUALIFICATION CRITERIA

The Preferential Procurement Policy Framework Act (PPPFA) stipulates the Department must apply prequalification criteria to a certain designated groups.

In line with the above requirement, bidders who meet the following prequalification criteria are eligible to submit their bids: Bidders who are EME or QSE.

NB: Bidders who fail to meet any pre-qualifying criteria specified for this bid will NOT be accepted.

Note:

Bidder should have a CIDB contractor grading of **4ME or higher**.

EVALUATION CRITERIA

The 80/20-point system where maximum of 80 points is allocated for the financial offer and 20 points for BBBEE status level will be used for evaluation of the bids.

Please note that, the Department considers the services required under this bid are highly specialised and complex in nature and hence the bids will be evaluated for functionality as follows:

Functionality (Maximum 100 points)

The cut-off points for Functionality (threshold) = 70/100 points.

A bid will be disqualified if it fails to meet the above minimum threshold for functionality
Point allocation for functionality is as indicated in Table below.

Maximum Points allocation	Specified goal	Calculation method
W ₁ = 25	(1) Submission of Appropriate Artisans' Qualifications employed • 1 or less qualified artisan = 0 point • 2 qualified artisans = 5 points • 3 qualified artisans = 10 points • 4 qualified artisans or more = 15 points • 5 or more qualified artisans or more = 25 points	25 Points
W ₂ = 30	Bidders must attach relevant electrical/mechanical trade certificates as proof. (2) Relevant previous experience (Total Value in Rands) i.e. Steam Boiler Maintenance and Installations. • Less than R 500 000 = 0 points • Above R 500 000 to 1 million = 5 points • Above 1 million to three million = 15 points • Above three million to 5 million = 20 points • Above five million = 30 points Bidders must submit copies of appointment letters	30 Points

W ₃ = 30	indicating value of work done or work orders issued for the work (3) Relevant previous experience (Years) i.e. Steam Boiler Maintenance and Installations. - Below three years = 0 points - Three years to four years = 10 points - Above four years to five years = 15 points - Above five years to six years = 20 points - Above six years or more = 30 points Bidders must attach copies of appointment letters and completion certificates as proof.	30 Points
W ₄ = 15	(4) Number of service vehicles - One or less = 0 points - Two to three = 10 points - Above three = 15 points Bidders must attach registration certificates for owned vehicles. Half points will be allocated for bidders who submit letter of intent to hire. Bidders will score zero points for non-submission of required proof.	15 Points
Max Points		Total = W1+W2+ W3+ W4 = 100 points

Maximum Points Allocation	Specified goal	Calculation method
1. BBEE		
HEADING	CRITERIA	MAXIMUM POSSIBLE POINTS (80 POINTS)
PRICE	TENDER AMOUNT / RATES	80
B-BBEE Status Level of Contributor		
	1	20
	2	18
	3	14
	4	12
	5	8

Bid: PWRT/2499/22/MP

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Reference: Boiler Prep.

Evaluation Criteria

	6	6
	7	4
	8	2
	NON – COMPLIANT CONTRIBUTOR	0
2. PRICE (Financial offer)		
Total = 80	N_{FO} = Financial offer P_m = Most favourable tender offer P = Tender under consideration	$N_{FO} = 80 \left[1 - \frac{P - P_m}{P_m} \right]$
Totals	Tender evaluation points = Points for financial offer + points for BBBEE	$T_{EV} = N_{FO} + BBBEE$

NB: (i) Cut-off points for Functionality (threshold) = 70/100 points. The bid will be disqualified if it fails to meet the minimum threshold for functionality
(ii) The Department reserves the right to verify the correctness of all the information provided by the bidder.

Evaluation Criteria (To be completed by bidder:)

Tenderers information required:

CIDB Registration number:

--	--	--	--	--	--



CIDB GRADE:

--	--	--

CSD Registration number:

--	--	--	--	--	--	--	--	--	--	--	--

Quality control practises which ensure employer requirements.

(1) Submission of appropriate Artisans' Qualifications: Names and surnames

- 1 or less qualified artisan = 0 point
- 2 qualified artisans = 5 points
- 3 qualified artisans = 10 points
- 4 qualified artisans = 15 points
- 5 or more qualified artisans = 25 points

Bidders must attach relevant electrical/mechanical trade certificates as proof.

(2) Relevant previous experience (Total Value in Rands) i.e. Steam Boiler Installations.

- Less than R 500 000 = 0 points
- Above R 500 000 to 1 million = 5 points
- Above 1 million to three million = 15 points
- Above three million to 5 million = 20 points
- Above five million = 30 points

Bidders must submit copies of appointment letters indicating value of work done or work orders issued for the work

(3) Relevant previous experience (Years) i.e. Steam Boiler Installations.

- Below three years = 0 points
- Three years to four years = 10 points
- Above four years to five years = 15 points
- Above five years to six years = 20 points
- Above six years or more = 30 points

Bidders must attach copies of appointment letters and completion certificates as proof.

(4) Amount of service vehicles (Include registration and description).

- One or less = 0 points
- Two to three = 10 points
- Above three = 15 points

Bidders must attach registration certificates for owned vehicles.

Half points will be allocated for bidders who submit letter of intent to hire.

Bidders will score zero points for non-submission of required proof.

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T1.1 Tender Notice and Invitation to Tender

The Department of Public Works, Roads & Transport, Mpumalanga Provincial Government, invites tenders for PREPARATION OF STEAM BOILERS FOR INSPECTION ACCORDING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AS WELL AS GENERAL MAINTENANCE, REPAIR AND INSTALLATION OF NEW STEAM GENERATING PLANTS AT VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DIST..

It is estimated that tenderers should have a CIDB contractor grading designation of **4 ME** or higher.

Tenderers must be registered with the CIDB in a **4 ME** class of construction works.

Document collections: The physical address for collection of tender documents is:
Bid documents are available from the following Supply Chain Management Offices during working hours:

1. NELSPRUIT

Riverside Government Complex
Building no 9, Government Boulevard,
Nelspruit, 1200. Contact: Mr. VS Ngobe
(013) 766 6339 or Ms. FMM Mantshintshi
(013) 766 8269. Fax: (013) 766 8455

2. TONGA

Department of Public Works, Tonga Block A
Contact: Ms. Margaret Zitha (013) 780 7200
Fax: (013) 780 7200

3. MORETELE

TLC offices in Mammethlake Satellite Office
at the Mammethlake Police Station
Contact: Tsepho Ngwatle - 012 721 3955

4. MIDDELBURG

Cnr. Lillian Ngoyi and Dr Beyers Naudé
Streets – Old TPA Building, Upper ground
floor, Office numbers A20, 21 and 25.
Contact: Lorraine Motebu or Donald Ndala
(013) 282 8776. Fax: (013) 282 8776

5. ELUKWATINI

Elukwatini Sub-regional offices
Office numbers A49 and A50 (Opposite
Elukwatini Community Hall) Stand number
12 extension A, Elukwatini, 1190.
Contact : Sibongile Malopi (017) 883 1396/7

6. PIET RETIEF

Department of Social Services, Population and Development, Old TPA Building – 18 Joubert Street (Cnr Kruger and Joubert Street). Contact: Ms. Janet Nkosi - 017 826 1671. Fax: (017) 826 0577

7. KWAMHLANGA

KwaMhlanga Government Complex
Department of Finance, Building No. 12,
Computer Centre. Contact: Thoko
Sibanyoni, Sophie Masanabo, Ms. Emily
Mtsweni or Lucky Choba (013) 947
2619/2620

8. EVANDER

10 Cornell Road (preiously occupied by
Evander Home Affairs Offices), Evander,
2280. Contact: Andries Mahlangu or Mendy
Kabini - 017 632 1607/1540/1549
Fax: (017) 632 1395

9. BUSHBUCKRIDGE

Bushbuckridge Advice Centre, Department
of Finance, Protea building (old Telkom
building) Contact: July Mashabane or
Peterson Sithole (013) 799 2068/1357/0585
or 072 109 7629. Fax: (013) 799 0535

Document submissions

Please note that bid documents can be collected at any of the above-mentioned satellite offices, but bid/tender documents can ONLY BE SUBMITTED at the following Supply Chain Offices, as bid closures are ONLY administered at the offices listed below:

1. NELSPRUIT

Riverside Government Complex
Building no 9, Government Boulevard,
Nelspruit, 1200. Contact: Mr. VS Ngobe
(013) 766 6339 or Ms. FMM Mantshintshi
(013) 766 8269.

2. MIDDELBURG

Cnr. Lillian Ngoyi and Dr Beyers Naudé
Streets – Old TPA Building, Upper ground
floor, Main Entrance. Contact: Lorraine
Motebu or Donald Ndala - 013 282 8776

3. PIET RETIEF

Department of Social Services, Population
and Development, Old TPA Building – 18
Joubert Street (Cnr Kruger and Joubert
Street) Contact: Janet Nkosi - 017 826 1671

4. KWAMHLANGA

KwaMhlanga Government Complex
Department of Finance, Building No. 12,
Computer Centre. Contact: Thoko
Sibanyoni, Ms Sophie Masanabo, or Ms
Angy Mthombeni (013) 947 606/2619/2620

5. EVANDER

10 Cornell Road (preiously occupied by
Evander Home Affairs Offices), Evander,
2280. Contact: Andries Mahlangu or Mendy
Kabini (017) 632 1607/1540/1549

6. BUSHBUCKRIDGE

Bushbuckridge Advice Centre, Department
of Finance, Protea building (old Telkom
building) Contact: July Mashabane –
013 799 2068/1357/0585 or 072 109 7629

Documents may be collected during working hours.

The bid box is generally open 24 hours a day, 7 days a week.

A non-refundable tender deposit of R 200 payable in cash or by bank guaranteed cheque made out in favour of the Employer, payable at the Tender Office is required on collection of the tender documents.

Technical queries relating to the issue of these documents may be addressed to Mr. A van der Merwe (082 608 2011), Mr. R Grobler (013 766 8910), BM Thusi (082 3434 755), Tel: (013) 766 8923, 013 766 0883, Email avdmerwe@mpg.gov.za. For any tender administration queries please contact Thembi Thobela - 013 766 8259 at the tender office Building 9 Riverside Government Complex.

No compulsory clarification meeting with representatives of the Employer will take place.

The closing time for receipt of tenders is 12H00hrs

Telegraphic, telephonic, telex, facsimile and late tenders will not be accepted.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

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T1.2 Tender Data

The conditions of tender are the Standard Conditions of Tender as contained in Annex F of the CIDB Standard for Uniformity in Construction Procurement (August 2006). (see www.cidb.org.za).

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

The additional conditions of tender are:

Clause number	Tender Data
F.1.1	The employer is the Department of Public Works, Mpumalanga Provincial Government.
F.1.2	The tender documents issued by the employer comprise: T1.1 Tender notice and invitation to tender T1.2 Tender data T2.1 List of returnable documents T2.2 Returnable schedules Part 1: Agreements and contract data C1.1 Form of offer and acceptance C1.2 Contract data C1.3 Form of Guarantee C1.4 Adjudicator's Contract Part 2: Pricing data C2.1 Pricing instructions C2.2 Activity schedules / Bills of Quantities Part 3: Scope of work C3 Scope of work Part 4: Site information C4 Site information
F.1.3	The employer's agent is: Name: FA van der Merwe Address: Private Bag X11310, NELSPRUIT Tel: (013) 766 8923 E-mail: avdmerwe@mpg.gov.za

F.2.1 Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a **4 ME or higher** class of construction work, are eligible to have their tenders evaluated.

F.2.2 There are no compulsory clarification meetings

F.2.3 If a tenderer wishes to submit an alternative tender offer, the only criteria permitted for such alternative tender offer is that it demonstrably satisfies the Employer's standards and requirements, the details of which may be obtained from the Employer's Agent. The alternative submission must be handed in with the original offer as per this document.

Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.

Acceptance of an alternative tender offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements.

The modified Pricing Data must include an amount equal to 5% of the amount tendered for the alternative offer to cover the Employer's costs of confirming the acceptability of the detailed design before it is constructed.

F.2.4 Parts of each tender offer communicated on paper shall be submitted as an original, plus 0 copies.

F.2.5 The employer's address for delivery of tender offers and identification details to be shown on each
F.2.6 tender offer package are:

Location of tender box: Building 9, Riverside Government Complex

Physical address: , Riverside Government Complex , NELSPRUIT

Identification details: PREPARATION OF STEAM BOILERS FOR INSPECTION ACCORDING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AS WELL AS GENERAL MAINTENANCE, REPAIR AND INSTALLATION OF NEW STEAM GENERATING PLANTS AT VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DIST WITHIN EHLANZENI AND BOHLABELA DISTRICTS.

Postal address: MPUMALANGA PROVINCIAL TENDER OFFICE , PRIVATE BAG X 11246, NELSPRUIT 1200

F.2.7 A two-envelope procedure will not be followed.

F.2.8 The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.

F.2.9 Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.

F.2.10 The tender offer validity period is 90 DAYS

F.2.11 Access shall be provided for the following inspections, tests and analysis:
Workshops, Test Instruments, Service Vehicles, Equipment and Staff Qualification

F.2.12 The tenderer is required to submit with his tender a Certificate of Contractor Registration issued by the Construction Industry Development Board and a copy of SARS PIN issued by the South African Revenue Services.

Where a tenderer satisfies CIDB contractor grading designation requirements through joint venture formation, such tenderers must submit the Certificates of Contractor Registration in respect of each partner.

F.2.13 Tenders will be opened immediately after the closing time for tenders

F.2.14 The procedure for the evaluation of responsive tenders is Method 2 (See evaluating criteria)

The financial offer will be scored using Formula 2 (option 1) where the value of W_1 is:

- 1) 90 where the financial value inclusive of VAT of all responsive tenders received have a value in excess of R 500 000; or
- 2) 80 where the financial value inclusive of VAT of one or more responsive tender offers equals or is less than R 500 000.

Up to 100 minus W_1 tender evaluation points will be awarded to tenderers who complete the preferencing schedule and who are found to be eligible for the preference claimed.

- F2.15 Tender offers will only be accepted if:
- a) the tenderer has in his or her possession SARS PIN issued by the South African Revenue Services or has made arrangements to meet outstanding tax obligations;
 - b) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation;
 - c) the tenderer or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;
 - d) the tenderer has not:
 - i) abused the Employer's Supply Chain Management System; or
 - ii) failed to perform on any previous contract and has been given a written notice to this effect;and
 - e) has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process.

F.2.16 The number of paper copies of the signed contract to be provided by the employer is one.

MPUMALANGA PROVINCIAL GOVERNMENT

DEPARTMENT OF PUBLIC WORKS, ROADS & TRANSPORT

**PREPARATION OF STEAM BOILERS FOR INSPECTION ACCORDING TO THE
OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AS WELL AS GENERAL
MAINTENANCE, REPAIR AND INSTALLATION OF NEW STEAM GENERATING PLANTS AT
VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DIST WITHIN EHLANZENI AND
BOHLABELA DISTRICTS**

T2.1 List of Returnable Documents

The tenderer must complete the following returnable documents:

1. Compulsory Returnable Schedule (Certified copies/ originals of the following documents)

Failure to submit the following documentation will automatically disqualify the bid

- Company Registration documents
- Certified ID copies of Company owners/or director.
- Joint Venture Agreement (**where applicable**).
- Signed Form of Offer
- Enterprise Questionnaire
- Proposed Amendments and Qualifications
- SBD forms: SBD4, SBD6.1, SBD6.2, SBD8 and 9 (**fully completed and signed**)
- COIDA certificate / Letter of good standing (Letter for bid purposes will not be accepted)
- Fully completed bill of quantities
- SANAS approved with AIA registration number.

2. Returnable Schedules required only for bid evaluation purposes

- Company Experience (Attach copies of appointment letters indicating the value of work done or work orders issued for the work and completion certificates).
- Attach municipal utility account for the premises as proof (in company name).
- Proof of registration for owned vehicles or letter of intent to hire.
- Certified copies of relevant qualifications.
- Certified copy SANAS/DTI Approved BBBEE certificate or sworn affidavit by the commissioner of Oath.
- Copy SARS **PIN** issued by the South African Revenue Services.
- Copy of Central Supplier Database (CSD) registration
- Qualification and registration certificates of persons employed for the operation of steam Generators including CP Numbers.

3. Pricing Proposal and Specific Contract Details

- Bids must be submitted in South African Rand, on a fixed price basis, including VAT.

-
- The Department is not bound to accept any of the proposals submitted and reserve the right to call for Best and Final Offers from short-listed bidders before final selection.
 - The Department reserves the right to call interviews with short-listed Bidder before final selection.
 - The lowest or any bid will not necessary be accepted and the department reserves the right to accept the whole or part of any bid.
 - All price escalations will only effect after the first completed year of contract.
 - Bidders that supply a separate pricing schedule will automatically be disqualified.
 - No alternative proposal will be permissible.
 - The Department reserve the right to appoint more than one service provider

4. Other documents that will be incorporated into the contract

- N/A

5 The offer portion of the C1.1 Offer and Acceptance

6 C1.2 Contract Data (Part 2)

7. COMPULSORY BRIEFING SESSION

- 7.1 A compulsory briefing session will be conducted for this tender.
- 7.2 Furthermore, any enquiries on this bid must be directed to the contact person indicated in the tender document.

Record of Addenda to tender documents



We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

Attach additional pages if more space is required.

Signed

Date

Name

Position

Tenderer

Compulsory Enterprise Questionnaire

The following particulars must be furnished. In the case of a joint venture, **separate** enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 5: Particulars of companies and close corporations

Company registration number

Close corporation number

Tax reference number

Section 6: Record in the service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- | | |
|--|---|
| ☐ a member of any municipal council
☐ a member of any provincial legislature
☐ a member of the National Assembly or the National Council of Province
☐ a member of the board of directors of any municipal entity
☐ an official of any municipality or municipal entity | ☐ an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999)
☐ a member of an accounting authority of any national or provincial public entity
☐ an employee of Parliament or a provincial legislature |
|--|---|

If any of the above boxes are marked, disclose the following:

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

- | | |
|--|---|
| ☐ a member of any municipal council | ☐ an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| ☐ a member of any provincial legislature | ☐ a member of an accounting authority of any national or provincial public entity |
| ☐ a member of the National Assembly or the National Council of Province | ☐ an employee of Parliament or a provincial legislature |
| ☐ a member of the board of directors of any municipal entity | |
| ☐ an official of any municipality or municipal entity | |

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise:

- authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed _____

Date _____

Name _____

Position _____

Enterprise
name

Certificate of Authority for Joint Ventures

This Returnable Schedule is to be completed by joint ventures.

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise Mr/Ms
 , authorised signatory of the company
 , acting in the capacity of lead partner, to sign all
 documents in connection with the tender offer and any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY AUTHORIZED SIGNATORY
Lead partner		Signature Name Designation.....
		Signature Name Designation
		Signature. Name Designation.....
		Signature. Name Designation

Schedule of Proposed Subcontractors



We notify you that it is our intention to employ the following Subcontractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of proposed Subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

We confirm that all Subcontractors who are contracted to construct a house are registered as home builders with the National Home Builders Registration Council.

	Name and address of proposed Subcontractor	Nature and extent of work	Previous experience with Subcontractor.
1.			
2.			
3.			
4.			
5.			

Signed

Date

Name

Position

Tenderer

Schedule of Plant and Equipment



The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract or will acquire or hire for this contract if my / our tender is accepted.

(a) Details of major equipment that is owned by and immediately available for this contract.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

(b) Details of major equipment that will be hired, or acquired for this contract if my / our tender is acceptable.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

Signed _____

Date _____

Name _____

Position _____

Tenderer _____

Schedule of the Tenderer's Experience



The following is a statement of similar work successfully executed by myself / ourselves:

Employer, contact person and telephone number.	Description of contract	Value of work inclusive of VAT (Rand)	Date completed

Signed _____

Date _____

Name _____

Position _____

Tenderer _____

Proposed amendments and qualifications

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule.

The Tenderer's attention is drawn to clause F.3.8 of the Standard Conditions of Tender referenced in the Tender Data regarding the employer's handling of material deviations and qualifications.

Page	Clause or item	Proposal

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

Preferencing schedule (direct preference)

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2011 [SBD 6.1]

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2011.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R1 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R1 000 000 (all applicable taxes included).

1.2 The value of this bid is estimated to exceed/not exceed R1 000 000 (all applicable taxes included) and therefore the.....system shall be applicable.

1.3 Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contribution.

1.3.1 The maximum points for this bid are allocated as follows:

	POINTS
1.3.1.1 PRICE	.....
1.3.1.2 B-BBEE STATUS LEVEL OF CONTRIBUTION	.....
Total points for Price and B-BBEE must not exceed	100

1.4 Failure on the part of a bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) or a Registered Auditor approved by the Independent Regulatory Board of Auditors (IRBA) or an Accounting Officer as contemplated in the Close Corporation Act (CCA) together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.5. The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

- 2.1 "all applicable taxes" includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- 2.2 "B-BBEE" means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 2.3 "B-BBEE status level of contributor" means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on

Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

- 2.4 “**bid**” means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- 2.5 “**Broad-Based Black Economic Empowerment Act**” means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- 2.6 “**comparative price**” means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- 2.7 “**consortium or joint venture**” means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;
- 2.8 “**contract**” means the agreement that results from the acceptance of a bid by an organ of state;
- 2.9 “**EME**” means any enterprise with an annual total revenue of R5 million or less .
- 2.10 “**Firm price**” means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.11 “**functionality**” means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- 2.12 “**non-firm prices**” means all prices other than “firm” prices;
- 2.13 “**person**” includes a juristic person;
- 2.14 “**rand value**” means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.15 “**sub-contract**” means the primary contractor’s assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.16 “**total revenue**” bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette* on 9 February 2007;
- 2.17 “**trust**” means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.18 “**trustee**” means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

3. ADJUDICATION USING A POINT SYSTEM

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts;.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.

3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.

3.5 However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.

3.6 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.

4. POINTS AWARDED FOR PRICE

4.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20

or

90/10

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for comparative price of bid under consideration

P_t = Comparative price of bid under consideration

$P_{\min}$ = Comparative price of lowest acceptable bid

5. Points awarded for B-BBEE Status Level of Contribution

5.1 In terms of Regulation 5 (2) and 6 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	8	16
4	5	12
5	4	8

6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

- 5.2 Bidders who qualify as EMEs in terms of the B-BBEE Act must submit a certificate issued by an Accounting Officer as contemplated in the CCA or a Verification Agency accredited by SANAS or a Registered Auditor. Registered auditors do not need to meet the prerequisite for IRBA's approval for the purpose of conducting verification and issuing EMEs with B-BBEE Status Level Certificates.
- 5.3 Bidders other than EMEs must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.
- 5.4 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 5.5 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 5.6 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 5.7 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- 5.8 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

6. BID DECLARATION

- 6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

7. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.1.2 AND 5.1

- 7.1 B-BBEE Status Level of Contribution: =(maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by

SANAS or a Registered Auditor approved by IRBA or an Accounting Officer as contemplated in the CCA).

8 SUB-CONTRACTING

8.1 Will any portion of the contract be sub-contracted? YES / NO (delete which is not applicable)

8.1.1 If yes, indicate:

- (i) what percentage of the contract will be subcontracted?%
- (ii) the name of the sub-contractor?
- (iii) the B-BBEE status level of the sub-contractor?
- (iv) whether the sub-contractor is an EME? YES / NO (delete which is not applicable)

9 DECLARATION WITH REGARD TO COMPANY/FIRM

9.1 Name of company/firm:

9.2 VAT registration number:

9.3 Company registration number:

9.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One person business/sole propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....
.....
.....

9.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

9.7 Total number of years the company/firm has been in business?

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct;

- (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
- (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- (iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution

WITNESSES:

1.

.....
SIGNATURE(S) OF BIDDER(S)

2.

DATE:.....

ADDRESS:

.....
.....
.....

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS [SBD 6.2]

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2011, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2011 (Regulation 9) makes provision for the promotion of local production and content.
- 1.2. Regulation 9.(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for bids referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

- x is the imported content in Rand
y is the bid bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.

- 1.6 A bid may be disqualified if –
 - (a) this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation; and
 - (b) the bidder fails to declare that the Local Content Declaration Templates (Annex C, D and E) have been audited and certified as correct.

2. Definitions

- 2.1. “**bid**” includes written price quotations, advertised competitive bids or proposals;
- 2.2. “**bid price**” price offered by the bidder, excluding value added tax (VAT);

- 2.3. **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- 2.4. **“designated sector”** means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;
- 2.5. **“duly sign”** means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility(close corporation, partnership or individual).
- 2.6. **“imported content”** means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour or intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
- 2.7. **“local content”** means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;
- 2.8. **“stipulated minimum threshold”** means that portion of local production and content as determined by the Department of Trade and Industry; and
- 2.9. **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.
3. **The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:**

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
_____	_____ %
_____	_____ %
_____	_____ %

4. Does any portion of the services, works or goods offered have any imported content?
(**Tick applicable box**)

YES		NO	
-----	--	----	--

- 4.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za.

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

5. Were the Local Content Declaration Templates (Annex C, D and E) audited and certified as correct?
(**Tick applicable box**)

YES		NO	
-----	--	----	--

5.1. If yes, provide the following particulars:

- (a) Full name of auditor:
(b) Practice number:
(c) Telephone and cell number:
(d) Email address:

(Documentary proof regarding the declaration will, when required, be submitted to the satisfaction of the Accounting Officer / Accounting Authority)

6. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Institution):
.....

NB

1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thdti.gov.za/industrial_development/ip.jsp. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of(name of bidder entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
- (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (ii) the declaration templates have been audited and certified to be correct.

(c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.

The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

(d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.

(e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2011 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes a price quotation, advertised competitive bid, limited bid or proposal). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-

- the bidder is employed by the state; and/or
- the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

2.1 Full Name of bidder or his or her representative:

2.2 Identity Number:

2.3 Position occupied in the Company (director, trustee, shareholder²):

2.4 Company Registration Number:

2.5 Tax Reference Number:

2.6 VAT Registration Number:

2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / persal numbers must be indicated in paragraph 3 below.

¹"State" means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

²"Shareholder" means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

2.7 Are you or any person connected with the bidder
presently employed by the state? **YES / NO**

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member:

Name of state institution at which you or the person
connected to the bidder is employed :

Position occupied in the state institution:

Any other particulars:

.....
.....
.....

2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector?

YES / NO

2.7.2.1 If yes, did you attached proof of such authority to the bid document?

YES / NO

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:

.....
.....
.....

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months?

YES / NO

2.8.1 If so, furnish particulars:

.....
.....
.....

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid?

YES / NO

2.9.1 If so, furnish particulars.

.....
.....
.....

2.10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this bid?

YES/NO

2.10.1 If so, furnish particulars.

.....
.....
.....

2.11 Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract?

YES/NO

2.11.1 If so, furnish particulars:

.....
.....
.....

3 Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	Personal Tax Reference Number	State Employee Number / Persal Number

4 DECLARATION

I, THE UNDERSIGNED (NAME).....

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 and 3 ABOVE IS CORRECT.
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 23
OF THE GENERAL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Standard Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be disregarded if that bidder, or any of its directors have-
 - a. abused the institution's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system; or
 - c. failed to perform on any previous contract.
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied). The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.	Yes ☐	No ☐
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.	Yes ☐	No ☐
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes ☐	No ☐

4.3.1	If so, furnish particulars:		
4.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes ☐	No ☐
4.4.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME).....

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all bids¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This SBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Institution)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder

6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid;
or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

MPUMALANGA PROVINCIAL GOVERNMENT

DEPARTMENT OF PUBLIC WORKS, ROADS & TRANSPORT

**PREPARATION OF STEAM BOILERS FOR INSPECTION ACCORDING TO THE
OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AS WELL AS GENERAL
MAINTENANCE, REPAIR AND INSTALLATION OF NEW STEAM GENERATING PLANTS AT
VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DIST WITHIN EHLANZENI AND
BOHLABELA DISTRICTS**

**C1.1 Form of Offer and Acceptance
Offer**

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of: PREPARATION OF STEAM BOILERS FOR INSPECTION ACCORDING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AS WELL AS GENERAL MAINTENANCE, REPAIR AND INSTALLATION OF NEW STEAM GENERATING PLANTS AT VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DIST WITHIN EHLANZENI AND BOHLABELA DISTRICTS

The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

.....Rand (in words);

R(in figures)

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature

Date

Name

Capacity

for the tenderer

(Name and
address of

organization)

Name and
signature
of witness

Acceptance

By signing this part of this form of offer and acceptance, the employer identified below accepts the tenderer's offer. In consideration thereof, the employer shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the tenderer's offer shall form an agreement between the employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

- Part C1: Agreements and contract data, (which includes this agreement)
- Part C2: Pricing data
- Part C3: Scope of work.
- Part C4: Site information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five working days of the date of such receipt notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

Signature Date

Name

Capacity

**for the
Employer**

Department of Public Works, Roads & Transport
Riverside Government Building
Private Bag X 11302, Nelspruit

Name and
signature
of witness

Date

Bid: PWRT/2499/22/MP

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C1.1

Part C1: Agreement and Contract data

Form of Offer and Acceptance

Reference: Boiler Prep.

.....

Schedule of Deviations

1 Subject .....	.....
Details .....	.....
.....	
.....	
.....	
2 Subject .....	.....
Details .....	.....
.....	
.....	
.....	
3 Subject .....	.....
Details .....	.....
.....	
.....	
.....	
4 Subject .....	.....
Details .....	.....
.....	
.....	
.....	
5 Subject .....	.....
Details .....	.....
.....	
.....	
.....	

By the duly authorised representatives signing this agreement, the employer and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

MPUMALANGA PROVINCIAL GOVERNMENT

DEPARTMENT OF PUBLIC WORKS, ROADS & TRANSPORT

**PREPARATION OF STEAM BOILERS FOR INSPECTION ACCORDING TO THE
OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AS WELL AS GENERAL
MAINTENANCE, REPAIR AND INSTALLATION OF NEW STEAM GENERATING PLANTS AT
VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DIST WITHIN EHLANZENI AND
BOHLABELA DISTRICTS**

C1.2 Contract Data

The General Conditions of Contract for Government Procurement (Annexure A) are applicable to this contract. Copies of these conditions of contract may be obtained from the Department.

MPUMALANGA PROVINCIAL GOVERNMENT

DEPARTMENT OF PUBLIC WORKS, ROADS & TRANSPORT

**PREPARATION OF STEAM BOILERS FOR INSPECTION ACCORDING
TO THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AS WELL AS
GENERAL MAINTENANCE, REPAIR AND INSTALLATION OF NEW STEAM GENERATING
PLANTS AT VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DIST WITHIN
EHLANZENI AND BOHLABELA DISTRICTS**

C2.2 Quantities (Boiler Preps)

	No	INSTITUTION	kg/h	MAKE	Date
1	73254	Barberton Hospital	2500	J.T.A.	1998/10/19
2	73255	Barberton Hospital	2500	J.T.A.	1998/10/19
3	73044	Lydenburg Hospital	1200	J.T.A.	1995/12/18
4	73045	Lydenburg Hospital	1200	J.T.A.	1995/12/18
5	7727	Mapulaneng	2863	J.T.A.	1965
6	7726	Mapulaneng	2863	J.T.A.	1965
7	73169	Rob Ferreira Hospital	2500	J.T.A.	1995/04/26
8	73170	Rob Ferreira Hospital	2500	J.T.A.	1995/04/26
9	73549	Shongwe Hospital	2500	J.T.A.	2002/02/15
10	73550	Shongwe Hospital	2500	J.T.A.	2002/01/17
11	73250	Sabie Hospital	1200	J.T.A.	1999/03/11
12	73252	Sabie Hospital	1200	J.T.A.	1999/02/25
13	73400	Themba Hospital	3200	J.T.A.	2000/11/29
14	73399	Themba Hospital	3200	J.T.A.	2000/06/08
15	73308	Tonga Hospital	3200	J.T.A.	1998/09/15
16	73309	Tonga Hospital	3200	J.T.A.	1998/09/15
17	73629	Tintswalo	3200	J.T.A.	2002
18	73628	Tintswalo	3200	J.T.A.	2002

C2.2.1 PRICE SCHEDULE (To be completed by Tenderers)

All schedules form an integral part of the tender and must be duly completed in every detail. Failure to do so may render the tender ineligible for consideration. Note: Rates include travelling, labour, consumables, etc. -- PRICES FIRM IN RSA CURRENCY (ALL TOTALS INCLUDE VAT)

No	INSTITUTION	BARBERTON	BARBERTON	ROB FERREIRA	ROB FERREIRA	SABIE	SABIE	TONGA	TONGA
1.	Remove/ Strip from boiler as required								
1.a	All fittings i.e. valves, feed water pipes from pumps to boiler, gauge columns, etc.	R		R	R	R	R	R	R
1.b	Automatic stoker	R		R	R	R	R	R	R
1.c	Sheet metal covering and lagging over welded or riveted joints as well as covering over stay tubes.	R		R	R	R	R	R	R
1.d	Cover plates over tubes/ bars	R		R	R	R	R	R	R
1.e	Building work, Fire brickwork i.e. ignition Arch, Ash retaining wall/ s, brickwork, etc.	R		R	R	R	R	R	R
1.f	Sheet metal and lagging around Blowdown valve (s)	R		R	R	R	R	R	R
1.g	Sheet metal and lagging around ash port (s)	R		R	R	R	R	R	R
1.h	Remove and replace pumps and motors	R		R	R	R	R	R	R

No	INSTITUTION	BARBERTON	BARBERTON	ROB FERREIRA	ROB FERREIRA	SABIE	SABIE	TONGA	TONGA
2.	Boiler preparation as required (i.e. cleaning of)	R	R	R	R	R	R	R	R
2.a.	Outer shell of boiler : i) sandblasting ii) manual cleaning	R	R	R	R	R	R	R	R
2.b.	Tube plates i.e. water side and fireside and splash pipes	R	R	R	R	R	R	R	R
2.c.	Water side of boiler shell	R	R	R	R	R	R	R	R
2.d.	Furnace flue(s)	R	R	R	R	R	R	R	R
2.e.	1st Pass, 2 nd Pass, 3 nd Pass, Chambers	R	R	R	R	R	R	R	R
2.f.	Tubes ordinary and stay tubes or staybars (Fire side)	R	R	R	R	R	R	R	R
2.g.	Weep holes (Tell Tale Holes)	R	R	R	R	R	R	R	R
2.h.	Ash Port (s)	R	R	R	R	R	R	R	R
2.i.	Remove swirlers from grit arrestor, sandblast and reassemble. Remove grit from Chimney stack, Grit collector and ducting.	R	R	R	R	R	R	R	R

No	INSTITUTION	BARBERTON	BARBERTON	ROB FERREIRA	ROB FERREIRA	SABIE	SABIE	TONGA	TONGA
2.j	Internal inspection by registered competent person	R	R	R	R	R	R	R	R
2.k	NDT by Level II Technician	R	R	R	R	R	R	R	R
3.	Replacing as required								
3.a	Lagging (i.) Existing	R	R	R	R	R	R	R	R
	(ii.) New (To replace lagging)	R	R	R	R	R	R	R	R
3.b	Stainless Steel sheet metal covering	R	R	R	R	R	R	R	R
	(i.) Existing sections	R	R	R	R	R	R	R	R
	(ii.) New sections								
3.c	Lagging and sheet metal covering around:	R	R	R	R	R	R	R	R
	(i.) Ash port(s)	R	R	R	R	R	R	R	R
	(ii.) Blowdown valve(s)								
3.d	Supports for ignition arch.	R	R	R	R	R	R	R	R
3.e	Supports for brickwork; semi wet back boilers.	R	R	R	R	R	R	R	R
3.f	Remove and replace bearings with plumber box on ID Fan	R	R	R	R	R	R	R	R

No	INSTITUTION	BARBERTON	BARBERTON	ROB FERREIRA	ROB FERREIRA	SABIE	SABIE	TONGA	TONGA
3.g	Remove and replace fan belts on ID Fan	R	R	R	R	R	R	R	R
3.h	Supply service exchange "F10" carter gearbox where required	R	R	R	R	R	R	R	R
4.	Reassemble, remounting & fixing in position.								
4.a	New gaskets, bolts, nuts, studs as required for all fittings, feed water pipes, etc.	R	R	R	R	R	R	R	R
4.b	All fittings i.e. valves, feed water pipes for pumps to boiler, gauge columns, etc.	R	R	R	R	R	R	R	R
4.c	External inspection and hydrostatic test witnessed by registered competent person.	R	R	R	R	R	R	R	R
4.d	Automatic stoker.	R	R	R	R	R	R	R	R
5.	BUILDING WORK								
5.a	Ignition arch	R	R	R	R	R	R	R	R
5.b	Ash retaining wall	R	R	R	R	R	R	R	R
5.c	Brick work in combustion chamber i.e. semi-wetback boilers	R	R	R	R	R	R	R	R
5.d	Replacing air seal inside furnace flue around automatic stoker.	R	R	R	R	R	R	R	R

No	INSTITUTION	BARBERTON	BARBERTON	ROB FERREIRA	ROB FERREIRA	SABIE	SABIE	TONGA	TONGA
6. PAINTING AS REQUIRED									
6.a	Boiler shell (outer)	R	R	R	R	R	R	R	R
6.b	Tube plates	R	R	R	R	R	R	R	R
6.c	Combustion chambers	R	R	R	R	R	R	R	R
6.d	Furnace flue/s	R	R	R	R	R	R	R	R
6.e	Fittings and pipe work on boiler	R	R	R	R	R	R	R	R
6.f	Under brickwork (i) Ignition arch (ii) Ash retaining wall (iii) Brickwork combustion chamber semi-wetback boilers	R	R	R	R	R	R	R	R
6.g.	Welding seams - outer	R	R	R	R	R	R	R	R
7.	Load test after Prep.	R	R	R	R	R	R	R	R

No	INSTITUTION	BARBERTON	BARBERTON	ROB FERREIRA	ROB FERREIRA	ROB FERREIRA	SABIE	SABIE	TONGA	TONGA
8.	Replace fire tube Replace stay tube	R R	R R	R R	R R	R R	R R	R R	R R	R R
9.	Commissioning of boiler and setting of all controls and safety equipment	R	R	R	R	R	R	R	R	R
10.	Monthly Service – As and when needed (See C2.2 p 58 for definition)	R	R	R	R	R	R	R	R	R
11.	12 Monthly Inspection, i.e. hydraulic test, remove stoker mat, clean and inspect fire space and supports, washout, etc.	R	R	R	R	R	R	R	R	R
	Total (Item 1 to 11)	R	R	R	R	R	R	R	R	R
	VAT (14%)	R	R	R	R	R	R	R	R	R
	Total (Item 1 to 11)	R	R	R	R	R	R	R	R	R

C2.2.2 PRICE SCHEDULE (To be completed by Tenderers)

All schedules form an integral part of the tender and must be duly completed in every detail. Failure to do so may render the tender ineligible for consideration. Note: Rates include travelling, labour, consumables, etc. -- PRICES FIRM IN RSA CURRENCY (ALL TOTALS INCLUDE VAT)

No	INSTITUTION	SHONGWE	SHONGWE	THEMBA	THEMBA	LYDENBURG	LYDENBURG
1.	Remove/ Strip from boiler as required						
1.a	All fittings i.e. valves, feed water pipes from pumps to boiler, gauge columns, etc.	R	R	R	R	R	R
1.b	Automatic stoker	R	R	R	R	R	R
1.c	Sheet metal covering and lagging over welded or riveted joints as well as covering over stay tubes.	R	R	R	R	R	R
1.d	Cover plates over tubes/ bars	R	R	R	R	R	R
1.e	Building work, Fire brickwork i.e. ignition Arch, Ash retaining wall/ s, brickwork, etc.	R	R	R	R	R	R
1.f	Sheet metal and lagging around Blowdown valve (s)	R	R	R	R	R	R
1.g	Sheet metal and lagging around ash port (s)	R	R	R	R	R	R
1.h	Remove and replace pumps and motors	R	R	R	R	R	R

No	INSTITUTION	SHONGWE	SHONGWE	THEMBA	THEMBA	THEMBA	LYDENBURG	LYDENBURG
2.	Boiler preparation as required (i.e. cleaning of)	R	R	R	R	R	R	R
2.a.	Outer shell of boiler : i) sandblasting ii) manual cleaning	R	R	R	R	R	R	R
2.b.	Tube plates i.e. water side and fireside and splash pipes	R	R	R	R	R	R	R
2.c	Water side of boiler shell	R	R	R	R	R	R	R
2.d	Furnace flue(s)	R	R	R	R	R	R	R
2.e	1st Pass, 2 nd Pass, 3 nd Pass, Chambers	R	R	R	R	R	R	R
2.f	Tubes ordinary and stay tubes or stay-bars (Fire side)	R	R	R	R	R	R	R
2.g	Weep holes (Tell Tale Holes)	R	R	R	R	R	R	R
2.h	Ash Port (s)	R	R	R	R	R	R	R
2.i	Remove swirlers from grit arrestor, sandblast and reassemble. Remove grit from Chimney stack, Grit collector and ducting.	R	R	R	R	R	R	R

No	INSTITUTION	SHONGWE	SHONGWE	THEMBA	THEMBA	LYDENBURG	LYDENBURG
2.j	Internal inspection by registered competent person	R	R	R	R	R	R
2.k	NDT by Level II Technician	R	R	R	R	R	R
3.	Replacing as required						
3.a	Lagging (i.) Existing (ii.) New (To replace lagging)	R	R	R	R	R	R
3.b	Stainless Steel sheet metal covering (i.) Existing sections (ii.) New sections	R	R	R	R	R	R
3.c	Lagging and sheet metal covering around: (i.) Ash port(s) (ii.) Blowdown valve(s)	R	R	R	R	R	R
3.d	Supports for ignition arch.	R	R	R	R	R	R
3.e	Supports for brickwork; semi wet back boilers.	R	R	R	R	R	R
3.f	Remove and replace bearings with plumber box on ID Fan	R	R	R	R	R	R

No	INSTITUTION	SHONGWE	SHONGWE	THEMBA	THEMBA	LYDENBURG	LYDENBURG
3.g	Remove and replace fan belts on ID Fan	R	R	R	R	R	R
3.h	Supply service exchange "F10" carter gearbox where required	R	R	R	R	R	R
4.	Reassemble, remounting & fixing in position.						
4.a	New gaskets, bolts, nuts, studs as required for all fittings, feed water pipes, etc.	R	R	R	R	R	R
4.b	All fittings i.e. valves, feed water pipes for pumps to boiler, gauge columns, etc.	R	R	R	R	R	R
4.c	External inspection and hydrostatic test witnessed by registered competent person.	R	R	R	R	R	R
4.d	Automatic stoker.	R	R	R	R	R	R
5.	BUILDING WORK						
5.a	Ignition arch	R	R	R	R	R	R
5.b	Ash retaining wall	R	R	R	R	R	R
5.c	Brick work in combustion chamber i.e. semi-wetback boilers	R	R	R	R	R	R
5.d	Replacing air seal inside furnace flue around automatic stoker.	R	R	R	R	R	R

No	INSTITUTION	SHONGWE	SHONGWE	THEMBA	THEMBA	LYDENBURG	LYDENBURG
6. PAINTING AS REQUIRED							
6.a	Boiler shell (outer)	R	R	R	R	R	R
6.b	Tube plates	R	R	R	R	R	R
6.c	Combustion chambers	R	R	R	R	R	R
6.d	Furnace flue/s	R	R	R	R	R	R
6.e	Fittings and pipe work on boiler	R	R	R	R	R	R
6.f	Under brickwork (i) Ignition arch (ii) Ash retaining wall (iii) Brickwork combustion chamber semi-wetback boilers	R	R	R	R	R	R
6.g.	Welding seams - outer	R	R	R	R	R	R
7.	Load test after Prep.	R	R	R	R	R	R

No	INSTITUTION	SHONGWE	SHONGWE	THEMBA	THEMBA	LYDENBURG	LYDENBURG
8.	Replace fire tube Replace stay tube	R R	R R	R R	R R	R R	R R
9.	Commissioning of boiler and setting of all controls and safety equipment	R	R	R	R	R	R
10.	Monthly Service – As and when needed (See C2.2 p 58 for definition)	R	R	R	R	R	R
11.	12 Monthly Inspection, i.e. hydraulic test, remove stoker mat, clean and inspect fire space and supports, washout, etc.	R	R	R	R	R	R
	Total (Item 1 to 11)	R	R	R	R	R	R
	VAT (14%)	R	R	R	R	R	R
	Total (Item 1 to 11)	R	R	R	R	R	R

C2.2.3 PRICE SCHEDULE (To be completed by Tenderers) All schedules form an integral part of the tender and must be duly completed in every detail. Failure to do so may render the tender ineligible for consideration. Note: Rates include travelling, labour, consumables, etc. -- PRICES FIRM IN RSA CURRENCY (ALL TOTALS INCLUDE VAT)

No	INSTITUTION	Mapulaneng	Mapulaneng	Tintswale	Tintswale
1.	Remove/ Strip from boiler as required				
1.a	All fittings i.e. valves, feed water pipes from pumps to boiler, gauge columns, etc.	R	R	R	R
1.b	Automatic stoker	R	R	R	R
1.c	Sheet metal covering and lagging over welded or riveted joints as well as covering over stay tubes.	R	R	R	R
1.d	Cover plates over tubes/ bars	R	R	R	R
1.e	Building work, Fire brickwork i.e. ignition Arch, Ash retaining wall/ s, brickwork, etc.	R	R	R	R
1.f	Sheet metal and lagging around Blowdown valve (s)	R	R	R	R
1.g	Sheet metal and lagging around ash port (s)	R	R	R	R
1.h	Remove and replace pumps and motors	R	R	R	R

No	INSTITUTION	Mapulaneng	Mapulaneng	Tintswale	Tintswale
2.	Boiler preparation as required (i.e. cleaning of)	R	R	R	R
2.a.	Outer shell of boiler : i) sandblasting ii) manual cleaning	R	R	R	R
2.b.	Tube plates i.e. water side and fireside and splash pipes	R	R	R	R
2.c	Water side of boiler shell	R	R	R	R
2.d	Furnace flue(s)	R	R	R	R
2.e	1st Pass, 2 nd Pass, 3 nd Pass, Chambers	R	R	R	R
2.f	Tubes ordinary and stay tubes or staybars (Fire side)	R	R	R	R
2.g	Weep holes (Tell Tale Holes)	R	R	R	R
2.h	Ash Port (s)	R	R	R	R
2.i	Remove swirlers from grit arrestor, sandblast and reassemble. Remove grit from Chimney stack,	R	R	R	R

	Grit collector and ducting.						
No	INSTITUTION	Mapulaneng	Mapulaneng	Tintswale	Tintswale	Tintswale	
2.j	Internal inspection by registered competent person	R	R	R	R	R	
2.j	NDT by level II Technician	R	R	R	R	R	
3.	Replacing as required						
3.a	Lagging (i.) Existing (ii.) New (To replace lagging)	R	R	R	R	R	
3.b	Stainless Steel sheet metal covering (i.) Existing sections (ii.) New sections	R	R	R	R	R	
3.c	Lagging and sheet metal covering around: (i.) Ash port(s) (ii.) Blowdown valve(s)	R	R	R	R	R	
3.d	Supports for ignition arch.	R	R	R	R	R	
3.e	Supports for brickwork; semi wet back boilers.	R	R	R	R	R	
3.f	Remove and replace bearings with plumber box on ID Fan	R	R	R	R	R	

No	INSTITUTION	Mapulaneng	Mapulaneng	Tintswale	Tintswale
3.g	Remove and replace fan belts on ID Fan	R	R	R	R
3.h	Supply service exchange "F10" carter gearbox where required	R	R	R	R
4.	Reassemble, remounting & fixing in position.				
4.a	New gaskets, bolts, nuts, studs as required for all fittings, feed water pipes, etc.	R	R	R	R
4.b	All fittings i.e. valves, feed water pipes for pumps to boiler, gauge columns, etc.	R	R	R	R
4.c	External inspection and hydrostatic test witnessed by registered competent person.	R	R	R	R
4.d	Automatic stoker.	R	R	R	R
5.	BUILDING WORK				
5.a	Ignition arch	R	R	R	R
5.b	Ash retaining wall	R	R	R	R
5.c	Brick work in combustion chamber i.e. semi-wetback boilers	R	R	R	R
5.d	Replacing air seal inside furnace flue around automatic stoker.	R	R	R	R

No	INSTITUTION	Mapulaneng	Mapulaneng	Tintswale	Tintswale
6. PAINTING AS REQUIRED					
6.a	Boiler shell (outer)	R	R	R	R
6.b	Tube plates	R	R	R	R
6.c	Combustion chambers	R	R	R	R
6.d	Furnace flue/s	R	R	R	R
6.e	Fittings and pipe work on boiler	R	R	R	R
6.f	Under brickwork (i) Ignition arch (ii) Ash retaining wall (iii) Brickwork combustion chamber semi-wetback boilers	R	R	R	R
6.g.	Welding seams - outer	R	R	R	R
7.	Load test after Prep.	R	R	R	R

No	INSTITUTION	Mapulaneng	Mapulaneng	Tintswale	Tintswale
8.	Replace fire tube Replace stay tube	R R	R R	R R	R R
9.	Commissioning of boiler and setting of all controls and safety equipment	R	R	R	R
10.	Monthly Service – As and when needed (See C2.2 p 58 for definition)	R	R	R	R
11.	12 Monthly Inspection, i.e. hydraulic test, remove stoker mat, clean and inspect fire space and supports, washout, etc.	R	R	R	R
	Total (Item 1 to 11)	R	R	R	R
	VAT (14%)	R	R	R	R
	Total (Item 1 to 11)	R	R	R	R

C2.2.4 PRICE SCHEDULE (To be completed by Tenderers)

All schedules form an integral part of the tender and must be duly completed in every detail. Failure to do so may render the tender ineligible for consideration. Note: Rates include travelling, labour, consumables, etc. -- PRICES FIRM IN RSA CURRENCY (ALL TOTALS INCLUDE VAT)

Monthly Service in Boiler house	
1.	Grease all grease nipples, i.e. soot blowers, shaft bearings, etc.
2.	Replace gauge glasses and rubber cones
3.	Tighten all glands and repack when necessary.
4.	Top-up oil levels
5.	Tension all V-Belts
6.	Test soot blowers and Mobrey controls for correct operation
7.	Check feed water and condensate sample points for correct operation
8.	Test all safety mechanism, low and high water, safety valves, Mobreys, etc.
9.	Check general condition of Boiler and report defects.
10.	General cleaning of boiler house and equipment.
Monthly Service of steam reticulation network	
1.	Inspection of steam and condensate reticulation network e.g. leaks
2.	Check working of all steam traps
3.	Clean and drain all line traps
4.	Cleaning of calorifier plantrooms
5.	Report all defects
Note: Monthly service should include travelling, travelling time, labour, spares, toll fees, etc. and will be performed by qualified artisan.	

C2.2.5 SCHEDULE OF RATES (VAT Exclusive)1. General

i) All rates are net with VAT calculated and added to the total of each invoice.

2 WORK ON ORDER ONLY2.1 Labour rate (Excluding VAT)

Description	Normal time 07h00-17h00	Over Time	Emergency Call Ours	Sundays & Public Holidays
Artisan	R /h	R /h	R /h	R /h
Unskilled assistant	R /h	R /h	R /h	R /h
Apprentice	R /h	R /h	R /h	R /h

These rates shall include for all overheads, profit, subsistence, etc. as per clause 2.14.

2.2 Transport rate (VAT Exclusive)

Motor car	:	R	_____	/km
¾ ton to 1 ton LDV	:	R	_____	/km
2 Ton to 3 ton truck	:	R	_____	/km
8 Ton & Crane (4 Ton)	:	R	_____	/km
Other, specify	:	R	_____	/km

Note: These rates shall include travelling time and be calculated from the central point in Mpumalanga Province.

Indicate this point _____. (Refer clause 2.13)

2.3 Mark-up

Percentage mark-up for profit, overhead, insurance guarantee etc. on nett cost materials, spare parts and chemicals (Refer clause 2.15). (Max. 20%) _____ %

2.4 Training (VAT Exclusive)

1.	Short refresher course (Price per person)	R
2.	Full Boiler Operators training course (Price per Person)	R
3.	Daily rate for temporary Qualified Boiler operator (12 hr shift)	R
4.	Boiler operation for one month – all shifts	R
5.	Boiler operation for six months – all shifts	R

Note: Tenderers must supply full details of the training content and period.

2.5 Spares and Equipment (VAT Exclusive)

PART DESCRIPTION	Price (Excluding VAT)
AC CONVERSION	R
ALARM BELL	R
BEARING - FRONT SHAFT- 411 - 421 - 431	R
BEARING - FRONT SHAFT- 441 -351 - 451 - B63	R
BEARING - FRONT SHAFT- 461 – 491	R
BEARINGS - STOKER DRIVE – 441 - 351 - 451 - 1363- 481-491	R
BEARINGS - STOKER DRIVE. 411.421- 431 .	R
BLANKING DISC - 411 - 421.431	R
BLANKING DISC - 441 .351 - 451 – 863	R
BLANKING DISC - 481 – 491	R
BLOWDOWN SEQUENCING VALVE	R

PART DESCRIPTION	Price (VAT Exclusive)
BLOWDOWN VALVE. 2"	R
BLOWDOWN VALVE KEY	R
BRICK – BULLNOSE 254x 114 x 76 x 1 O	R
BRICK-FIRE 230x114x7e	R
BRICK- FIRE SIDE ARCH 230 x 114 x 76 x 64	R
CARBOFRAX BLOCKS – 863	R
CARBOFRAX BLOCKS - ALL	R
CLOTH. NON ASBESTOS 3mm X 200mm x 400mm LONG	R
DAMPER-ASH VALVE	R
DAMPER LEVER – FRONT	R
DAMPER LEVER – REAR	R
DISTANCE PIECE	R
EMERGENCY DE ASHING DOOR-411	R
EMERGENCY DE ASHING DOOR-421	R
EMERGENCY DE ASHING DOOR-431	R
EMERGENCY DE ASHING DOOR-441	R
EMERGENCY DE ASHING DOOR-351	R
EMERGENCY DE ASHING DOOR-451	R
EMERGENCY DE ASHING DOOR-451	R
EMERGENCY DE ASHING DOOR-491	R
EMERGENCY DE ASHING DOOR-B63	R

PART DESCRIPTION	Price (VAT Exclusive)
F10 CARTER BOX - DRIVE BELTS	R
F10 CARTER BOX - DRIVE MOTOR	R
F10 CARTER BOX- NEW COMPLETE WITH MOTOR	R
F10 CARTER BOX- SERVICE EXCHANGE UNIT	R
FD FAN IMPELLER - 411	R
FD FAN IMPELLER - 421	R
FD FAN IMPELLER - 431	R
FD FAN IMPELLER-441	R
FD FAN IMPELLER- 451	R
FD PAN IMPELLER- 351	R
FD FAN IMPELLER- 481	R
FD FAN IMPELLER - 491	R
FD FAN IMPELLER- B63	R
FD FAN MOTOR - 411	R
FD FAN MOTOR - 421	R
FD FAN MOTOR - 431	R
FD FAN MOTOR - 441	R
FD FAN MOTOR - 451	R
FD FAN MOTOR - 351	R

PART DESCRIPTION	Price (VAT Exclusive)
FD FAN MOTOR - 481	R
FD FAN MOTOR - 491	R
FD FAN MOTOR - B63	R
FD FAN MOTOR BEARINGS - 411	R
FD FAN MOTOR BEARINGS - 421	R
FD FAN MOTOR BEARINGS – 431	R
FD FAN MOTOR BEARINGS - 441	R
FD FAN MOTOR BEARINGS - 451	R
FD FAN MOTOR BEARINGS - 351	R
FD FAN MOTOR BEARINGS - 481	R
FD FAN MOTOR BEARINGS - 491	R
FD FAN MOTOR BEARINGS – B63	R
FEED CHECK VALVE - BOILER TO BE SPECIFIED	R
FUEL TRIM ARM AND HAND SCREW KNOB	R
GASKETS HEADHOLE GRAPHITE	R
GASKETS MANHOLE GRAPHITE	R
GASKETS MUDHOLE GRAPHITE	R
GAUGE GLASS CONES	R
GAUGE GLASS STOP-COCK PACKINGS	R
GAUGE GLASS PROTECTORS	R

PART DESCRIPTION	Price (VAT Exclusive)
GAUGE GLASS STOP COCKS - FIG 505	R
GAUGE GLASSES	R
GEARBOX - AC DRIVE	R
GRATE CRANK HANDLE	R
GUILLOTINE DOOR – B63	R
GUILLOTINE DOOR - 411-421	R
GUILLOTINE DOOR – 431 – 441	R
GUILLOTINE DOOR – 451 - 351	R
GUILLOTINE DOOR - 481	R
GUILLOTINE DOOR - 491	R
SIZE 49 HOPPER- COAL	R
SIZE 48 HOPPER- COAL	R
SIZE 45 HOPPER - COAL.	R
SIZE 35 HOPPER - COAL	R
SIZE 44 HOPPER. COAL	R
SIZE 43 HOPPER- COAL	R
SIZE 42 HOPPER - COAL	R
SIZE 41 HOPPER - COAL	R
SIZE B HOPPER - COAL	R

PART DESCRIPTION	Price (VAT Exclusive)
HOPPER. RIDDLINGS	R
HOPPER SUPPORT - LH - 663	R
HOPPER SUPPORT- LH - 351 - 451 – 441	R
HOPPER SUPPORT – LH - 481	R
HOPPER SUPPORT – LH .491	R
HOPPER SUPPORT- RH.B63	R
HOPPER SUPPORT- RH - 351 – 451 - 441	R
HOPPER SUPPORT - RH - 481	R
HOPPER SUPPORT - RH - 491	R
ID FAN BEARINGS – 411	R
ID FAN BEARINGS – 421	R
ID FAN BEARINGS – 431	R
ID FAN BEARINGS - 441	R
ID FAN BEARINGS – 451	R
ID FAN BEARINGS- 351	R
ID FAN BEARINGS - 481	R
ID FAN BEARINGS – 491	R
ID FAN BEARINGS – B63	R
ID FAN DRIVE BELTS - 411	R
ID FAN DRIVE BELTS - 421	R

PART DESCRIPTION	Price (VAT Exclusive)
ID FAN DRIVE BELTS - 431	R
ID FAN DRIVE BELTS - 441	R
ID FAN DRIVE BELTS - 451	R
ID FAN DRIVE BELTS - 351	R
ID FAN DRIVE BELTS - 481	R
ID FAN DRIVE BELTS - 491	R
ID FAN DRIVE BELTS - B63	R
ID FAN IMPELLER COMPLETE WITH SHAFT - 411	R
ID FAN IMPELLER COMPLETE WITH SHAFT- 421	R
ID FAN IMPELLER COMPLETE WITH SHAFT- 431	R
ID FAN IMPELLER COMPLETE WITH SHAFT - 441	R
ID FAN IMPELLER COMPLETE WITH SHAFT - 451	R
ID FAN IMPELLER COMPLETE WITH SHAFT - 351	R
ID FAN IMPELLER COMPLETE WITH SHAFT - 481	R
ID FAN IMPELLER COMPLETE WITH SHAFT - 491	R
ID FAN IMPELLER COMPLETE WITH SHAFT – B63	R
ID FAN MOTOR – 411	R
ID FAN MOTOR – 421	R
ID FAN MOTOR – 431	R
ID FAN MOTOR – 441	R

PART DESCRIPTION	Price (VAT Exclusive)
ID FAN MOTOR – 451	R
ID FAN MOTOR- 351	R
ID FAN MOTOR - 481	R
ID FAN MOTOR - 491	R
ID FAN MOTOR – B63	R
ID FAN MOTOR BEARINGS - 411	R
ID FAN MOTOR BEARINGS - 421	R
ID FAN MOTOR BEARINGS - 431	R
ID FAN MOTOR BEARINGS - 441	R
ID FAN MOTOR BEARINGS. 451	R
ID FAN MOTOR BEARINGS - 351	R
ID FAN MOTOR BEARINGS - 481	R
ID FAN MOTOR BEARINGS - 491	R
ID FAN MOTOR BEARINGS - B63	R
SIZE 41 IGNITION ARCH	R
SIZE 42 IGNITION ARCH	R
SIZE 43 IGNITION ARCH	R
SIZE 44 IGNITION ARCH	R
SIZE 35 IGNITION ARCH	R
SIZE 49 IGNITION ARCH	R

PART DESCRIPTION	Price (VAT Exclusive)
SIZE B IGNITION ARCH	R
SIZE 45 IGNITION ARCH	R
SIZE 48 IGNITION ARCH	R
LADDER TAPE 40mm / 75mm	R
LAGGING ROPE 25mm	R
LAGGING ROPE 50mm	R
LIFTING MECHANISM ASSEMBLY – 411	R
LIFTING MECHANISM ASSEMBLY – 421	R
LIFTING MECHANISM ASSEMBLY – 431	R
LIFTING MECHANISM ASSEMBLY – 441	R
HOTWELL TANK 3 m ³	R
HOTWELL TANK 6 m ³	R
HOTWELL TANK 9 m ³	R
COAL SCREW 14 m (DIAMETER 140mm)	R
COAL SCREW 7 m (DIAMETER 140mm)	R
OUTER CASING (DIAMETER 300 mm)	R
INNER CASING – TOP PIECE (DIAMETER 150mm)	R
INNER CASING – BOTTOM PIECE (DIAMETER 150 mm)	R
BIN LEVEL SWITCH	R
INVERTOR DRIVE FOR COAL SCREW	R

PART DESCRIPTION	Price (VAT Exclusive)
INVERTOR DRIVE FOR CHAIN GRATE	R
GUAGE COCK SPINDLE	R
ASH TROLLEY COMPLETE	R
ASH TROLLEY WHEEL	R
PEEP HOLE SAFETY GLASS	R
GUILLOTINE DOOR CABLE	R
VERTICAL BOILER FEED PUMP 880 KPA – 3000 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP (See definition **)	R
VERTICAL BOILER FEED PUMP 880 KPA – 1500 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R
VERTICAL BOILER FEED PUMP 880 KPA – 3800 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R
VERTICAL BOILER FEED PUMP 1200 KPA – 4 000 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R
VERTICAL BOILER FEED PUMP 1200 KPA – 10 000 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R
VERTICAL BOILER FEED PUMP 1200 KPA – 12 000 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R

<i>Reconditioning of Vertical Pump **.</i> 1. Replace Motor Bearings 2. Replace mechanical seals and gaskets	<i>Reconditioning of Horizontal Pump.</i> 1. Replace Motor Bearings 2. Replace packings, wear rings, gaskets and gland seals
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PART DESCRIPTION	Price (VAT Exclusive)
HORIZONTAL STAGE TYPE BOILER FEED PUMP - 880 KPA – 1500 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R
HORIZONTAL STAGE TYPE BOILER FEED PUMP - 880 KPA – 3000 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R
HORIZONTAL STAGE TYPE BOILER FEED PUMP - 880 KPA – 3800 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R
HORIZONTAL STAGE TYPE BOILER FEED PUMP - 1200 KPA – 3 000 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R
HORIZONTAL STAGE TYPE BOILER FEED PUMP - 1200 KPA – 10 000 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R
HORIZONTAL STAGE TYPE BOILER FEED PUMP - 1200 KPA – 12 000 L/H	R
COMPLETE RECONDITIONING OF EXISTING PUMP	R
DRIVE LINK – PLAIN (301 502)	R
DRIVE LINK – LHS (CSK 301 503)	R
DRIVE LINK – RHS (CSK 301 504)	R
SIDE LINK – (301 505)	R
COMMON LINK THIN – (170 252)	R
COMMON LINK THICK – (170 289)	R
FRONT SHAFT – (301 234)	R
REAR ROLLER & SHAFT– (301 734)	R

PART DESCRIPTION	Price (VAT Exclusive)
15 mm Steam Tee	R.....
20 mm Steam Tee	R.....
25 mm Steam Tee	R.....
32 mm Steam Tee	R.....
40 mm Steam Tee	R.....
50 mm Steam Tee	R.....
15 mm Steam Elbow	R.....
20 mm Steam Elbow	R.....
25 mm Steam Elbow	R.....
32 mm Steam Elbow	R.....
40 mm Steam Elbow	R.....
50 mm Steam Elbow	R.....
15 mm Navy union	R.....
20 mm Navy union	R.....
25 mm Navy union	R.....
32 mm Navy union	R.....
40 mm Navy union	R.....
50 mm Navy union	R.....
15 mm Steam Nipple	R.....
20 mm Steam Nipple	R.....
25 mm Steam Nipple	R.....
32 mm Steam Nipple	R.....
40 mm Steam Nipple	R.....
50 mm Steam Nipple	R.....
15 mm Steam Socket	R.....

PART DESCRIPTION	Price (VAT Exclusive)
20 mm Steam Socket	R.....
25 mm Steam Socket	R.....
32 mm Steam Socket	R.....
40 mm Steam Socket	R.....
50 mm Steam Socket	R.....
20 x 15 mm Steam Reducing Bush	R.....
25 x 15 mm Steam Reducing Bush	R.....
32 x 20 mm Steam Reducing Bush	R.....
40 x 25 mm Steam Reducing Bush	R.....
50 x 40 mm Steam Reducing Bush	R.....
8 mm Globe Valve, bronze body, St/St seats, SCRD 10 Bar Steam	R.....
10 mm Globe Valve, bronze body, St/St seats, SCRD 10 Bar Steam	R.....
15 mm Globe Valve, bronze body, St/St seats, SCRD 10 Bar Steam	R.....
20 mm Globe Valve, bronze body, St/St seats, SCRD 10 Bar Steam	R.....
25 mm Globe Valve, bronze body, St/St seats, SCRD 10 Bar Steam	R.....
32 mm Globe Valve, bronze body, St/St seats, SCRD 10 Bar Steam	R.....
40 mm Globe Valve, bronze body, St/St seats, SCRD 10 Bar Steam	R.....
50 mm Globe Valve, bronze body, St/St seats, SCRD 10 Bar Steam	R.....
15 mm Mipel No. 085 strainer, bronze body, St/St screen, SCRD	R.....

PART DESCRIPTION	Price (VAT Exclusive)
20 mm Mipel No. 085 strainer, bronze body, St/St screen, SCRD	R.....
25 mm Mipel No. 085 strainer, bronze body, St/St screen, SCRD	R.....
32 mm Mipel No. 085 strainer, bronze body, St/St screen, SCRD	R.....
40 mm Mipel No. 085 strainer, bronze body, St/St screen, SCRD	R.....
50 mm Mipel No. 085 strainer, bronze body, St/St screen, SCRD	R.....
15 mm Mipel No. 088 sight glass, bronze body, single window SCRD	R.....
20 mm Mipel No. 088 sight glass, bronze body, single window SCRD	R.....
25 mm Mipel No. 088 sight glass, bronze body, single window SCRD	R.....
32 mm Mipel No. 088 sight glass, bronze body, single window SCRD	R.....
40 mm Mipel No. 088 sight glass, bronze body, single window SCRD	R.....
50 mm Mipel No. 088 sight glass, bronze body, single window SCRD	R.....
15 mm Mipel No. 049 swing non-return valve, bronze body, SCRD	R.....
20 mm Mipel No. 049 swing non-return valve, bronze body, SCRD	R.....
25 mm Mipel No. 049 swing non-return valve, bronze body, SCRD	R.....
32 mm Mipel No. 049 swing non-return valve, bronze body, SCRD	R.....
40 mm Mipel No. 049 swing non-return valve, bronze body, SCRD	R.....

PART DESCRIPTION	Price (VAT Exclusive)
50 mm Mipel No. 049 swing non-return valve, bronze body, SCRD	R.....
15 mm Chrome plated ball valve, full bore, SCRD	R.....
20 mm Chrome plated ball valve, full bore, SCRD	R.....
25 mm Chrome plated ball valve, full bore, SCRD	R.....
32 mm Chrome plated ball valve, full bore, SCRD	R.....
40 mm Chrome plated ball valve, full bore, SCRD	R.....
50 mm Chrome plated ball valve, full bore, SCRD	R.....
Pressure gauge: 0-1600 kPa, 3/8" bottom entry, 100mm dial diameter	R.....
3/8" Gauge cock	R.....
3/8" Pigtail syphon tube	R.....
3/8" "U" syphon tube	R.....
15 mm Medium steam pipe	R.....
20 mm Medium steam pipe	R.....
25 mm Medium steam pipe	R.....
32 mm Medium steam pipe	R.....
40 mm Medium steam pipe	R.....
50 mm Medium steam pipe	R.....
15 mm Schedule 40 Steam Pipe	R.....
20 mm Schedule 40 Steam Pipe	R.....
25 mm Schedule 40 Steam Pipe	R.....

PART DESCRIPTION	Price (VAT Exclusive)
32 mm Schedule 40 Steam Pipe	R.....
40 mm Schedule 40 Steam Pipe	R.....
50 mm Schedule 40 Steam Pipe	R.....
15 mm TD steam trap	R.....
20 mm TD steam trap	R.....
15 mm Inverted Bucket Steam Trap	R.....
20 mm Inverted Bucket Steam Trap	R.....
15 mm Float Trap	R.....
20 mm Float Trap	R.....
Storage Calorifier (cladded) – 1000 litre	R.....
Lagging per above storage	R.....
Storage Calorifier (cladded) – 1500 litre	R.....
Lagging per above storage	R.....
Storage Calorifier (cladded) – 2000 litre	R.....
Lagging per above storage	R.....
Electrical Calorifier (cladded) – 2000 litre	R.....
Lagging per above storage	R.....
Electrical Calorifier (cladded) – 1000 litre	R.....
Lagging per above storage	R.....
Sauter drive	R.....
Photohelic Draught Gauge	R.....
Hand/Auto Panel Switch	R.....
10 Turn Potentiometer c/w dial	R.....
Stoker speed display	R.....
Damper Position display	R.....
Invertor start delay Damper	R.....

Position convertor	R.....
Fuel trim relay	R.....
EXPR20 Balance Relay	R.....
Hand potentiometer 130 OHM	R.....

PART DESCRIPTION	Price (VAT Exclusive)
15mm Class II Copper pipe	R.....
22mm Class II Copper pipe	R.....
28mm Class II Copper pipe	R.....
35mm Class II Copper pipe	R.....
42mm Class II Copper pipe	R.....
54mm Class II Copper pipe	R.....
15mm Conex Elbows	R.....
15mm Conex Tee's	R.....
15mm Conex Straight connectors	R.....
22mm Conex Elbows	R.....
22mm Conex Tee's	R.....
22mm Conex Straight connectors	R.....
28mm Conex Elbows	R.....
28mm Conex Tee's	R.....
28mm Conex Straight connectors	R.....
35mm Conex Elbows	R.....
35mm Conex Tee's	R.....
35mm Conex Straight connectors	R.....
42mm Conex Elbows	R.....
42mm Conex Tee's	R.....
42mm Conex Straight connectors	R.....

54mm Conex Elbows	R.....
54mm Conex Tee's	R.....
54mm Conex Straight connectors	R.....
20mm steam control valve (calorius)	R.....
25mm PRV Station complete assembled	R.....
25mm Circulation Pump c/w bypass	R.....
Float Switch and control	R.....
25mm P+T Safety Valve	R.....
25mm Condensate Pump	R.....
0-120° Temperature Gauge	R.....
500L Condensate Tank c/w stand	R.....
Valve pad engineering studs	R.....
Soot blower multi start spindle	R.....
Soot blower 45° nozzle	R.....
Soot blower compression ring	R.....
Soot blower guide nut	R.....
Steam valve top seat machined	R.....
Blow down valve complete	R.....
Feed check valve spindle	R.....
Set of safety valve top seats	R.....
Test and Calibrate steam pressure gauge	R.....
32mm check valve – water type – PN40	R.....
Stoker Shear Pin	R.....
AB18 packing sleeves	R.....
Boiler lagging and cladding / m ²	R.....

C2.3 Quantities (Chemical Water Treatment)

SERVICE SCHEDULE (VAT Exclusive) :

All schedules form an integral part of the tender and must be duly completed in every detail. Failure to do will render the tender ineligible for consideration. The chemical cost rates include travelling, labour, consumables, overheads, toll, etc. (That include the delivery of Chemicals to site, bulk containers must be filled, priming of pumps and dosage instructions to operators with blowdown schedules) For minimum requirement on monthly service on water treatment plant, see page 93.

2.3.1 BARBERTON HOSPITAL: (Ehlanzeni South Region) PLANT DATA:

Boilers	2 X 2.5 T/ hour (73254, 73255)
No on standby	ONE
Approx. steam output	2.2 T / Hour
Blowdown water	60L / Hour
% Condensate return	50%
Make up water	339L / Hour
Boiler TDS	2500 PPM
Feed TDS	110ppm
Make up TDS	80ppm
Cycles of concentration feed	23
Cycles of concentration make up	31
Hours of operation	24

MONTHLY CHEMICAL COSTS:

CHEMICAL	Kg per Day	Kg per Month	Cost per Kg	Cost per Month
Cost per Month			R	

WATER TREATMENT PLANT – MONTHLY SERVICE:

Cost per Month	R
-----------------------	----------------

Total Cost per month	R
VAT	R
Total	R

2.3.2. LYDENBURG HOSPITAL: (Ehlanzeni North Region)**PLANT DATA:**

Boilers	2 X 1.2 T/ hour (73045,73044)
No on standby	ONE
Approx. steam output	1.0T / Hour
Blowdown water	24 L / Hour
% Condensate return	50%
Make up water	13L / Hour
Boiler TDS	2500 PPM
Feed TDS	50ppm
Make up TDS	30ppm
Cycles of concentration feed	50
Cycles of concentration make up	83
Hours of operation	24

MONTHLY CHEMICAL COSTS:

CHEMICAL	Kg per Day	Kg per Month	Cost per Kg	Cost per Month
Cost per Month			R	

WATER TREATMENT PLANT – MONTHLY SERVICE:

Cost per Month	R
-----------------------	----------------

Total Cost per month	R
VAT	R
Total	R

2.3.3. ROB FERREIRA HOSPITAL: (Ehlanzeni South Region)**PLANT DATA:**

Boilers	2 X 2.5 T/ hour (73252,73257)
No on standby	ONE
Approx. steam output	1.0 T / Hour
Blowdown water	50L / Hour
% Condensate return	50 %
Make up water	525L / Hour
Boiler TDS	2500 PPM
Feed TDS	100ppm
Make up TDS	50ppm
Cycles of concentration feed	25
Cycles of concentration make up	50
Hours of operation	24

MONTHLY CHEMICAL COSTS:

CHEMICAL	Kg per Day	Kg per Month	Cost per Kg	Cost per Month
Cost per Month			R	

WATER TREATMENT PLANT – MONTHLY SERVICE:

Cost per Month	R
-----------------------	----------------

Total Cost per month	R
VAT	R
Total	R

2.3.4. SABIE HOSPITAL: (Ehlanzeni North Region)**PLANT DATA:**

Boilers	2 X 1.2 T/ hour (73250,73252)
No on standby	ONE
Approx. steam output	0.6 T / Hour
Blowdown water	12 L / Hour
% Condensate return	50%
Make up water	307 L / Hour
Boiler TDS	2500 PPM
Feed TDS	160 ppm
Make up TDS	140ppm
Cycles of concentration feed	16
Cycles of concentration make up	18
Hours of operation	24

MONTHLY CHEMICAL COSTS:

CHEMICAL	Kg per Day	Kg per Month	Cost per Kg	Cost per Month
Cost per Month			R	

WATER TREATMENT PLANT – MONTHLY SERVICE:

Cost per Month	R
-----------------------	----------------

Total Cost per month	R
VAT	R
Total	R

2.3.5. SHONGWE HOSPITAL: (Ehlanzeni South Region)**PLANT DATA:**

Boilers	2 X 3.2 T/ hour (PB571,PB570)
No on standby	ONE
Approx. steam output	2.2 T / Hour
Blowdown water	60L / Hour
% Condensate return	20%
Make up water	1760L / Hour
Boiler TDS	2500 PPM
Feed TDS	120ppm
Make up TDS	140ppm
Cycles of concentration feed	21
Cycles of concentration make up	18
Hours of operation	24

MONTHLY CHEMICAL COSTS:

CHEMICAL	Kg per Day	Kg per Month	Cost per Kg	Cost per Month
Cost per Month			R	

WATER TREATMENT PLANT – MONTHLY SERVICE:

Cost per Month	R
-----------------------	----------------

Total Cost per month	R
VAT	R
Total	R

2.3.6. THEMBA HOSPITAL: (Ehlanzeni South Region)**PLANT DATA:**

Boilers	2 X 3.2 T/ hour (PB571,PB570)
No on standby	ONE
Approx. steam output	2.2 T / Hour
Blowdown water	70L / Hour
% Condensate return	20%
Make up water	1816L / Hour
Boiler TDS	2500 PPM
Feed TDS	140ppm
Make up TDS	140ppm
Cycles of concentration feed	18
Cycles of concentration make up	18
Hours of operation	24

MONTHLY CHEMICAL COSTS:

CHEMICAL	Kg per Day	Kg per Month	Cost per Kg	Cost per Month
Cost per Month			R	

WATER TREATMENT PLANT – MONTHLY SERVICE:

Cost per Month	R
-----------------------	----------------

Total Cost per month	R
VAT	R
Total	R

2.3.7. TONGA HOSPITAL: (Ehlanzeni South Region)**PLANT DATA:**

Boilers	2 X 2.5 T/ hour
No on standby	ONE
Approx. steam output	1.0 T / Hour
Blowdown water	50L / Hour
% Condensate return	50 %
Make up water	525L / Hour
Boiler TDS	2500 PPM
Feed TDS	140ppm
Make up TDS	100ppm
Cycles of concentration feed	18
Cycles of concentration make up	25
Hours of operation	24

MONTHLY CHEMICAL COSTS:

CHEMICAL	Kg per Day	Kg per Month	Cost per Kg	Cost per Month
Cost per Month			R	

WATER TREATMENT PLANT – MONTHLY SERVICE:

Cost per Month	R
-----------------------	----------------

Total Cost per month	R
VAT	R
Total	R

2.3.8. MAPULANENG HOSPITAL: (Ehlanzeni North Region)**PLANT DATA:**

Boilers	2 X 3.2 T/ hour (PB64845,PB64844)
No on standby	ONE
Approx. steam output	2.2 T / Hour
Blowdown water	60L / Hour
% Condensate return	65 %
Make up water	441 L / Hour
Boiler TDS	2500 PPM
Feed TDS	220ppm
Make up TDS	180ppm
Cycles of concentration feed	11
Cycles of concentration make up	14
Hours of operation	24

MONTHLY CHEMICAL COSTS:

CHEMICAL	Kg per Day	Kg per Month	Cost per Kg	Cost per Month
Cost per Month			R	

WATER TREATMENT PLANT – MONTHLY SERVICE:

Cost per Month	R
-----------------------	----------------

Total Cost per month	R
VAT	R
Total	R

2.3.9. TINTSWALO HOSPITAL: (Ehlanzeni North Region)**PLANT DATA:**

Boilers	2 X 3.2 T/ hour (73629, 73628)
No on standby	ONE
Approx. steam output	2.2 T / Hour
Blowdown water	60L / Hour
% Condensate return	65 %
Make up water	441 L / Hour
Boiler TDS	2500 PPM
Feed TDS	220ppm
Make up TDS	180ppm
Cycles of concentration feed	11
Cycles of concentration make up	14
Hours of operation	24

MONTHLY CHEMICAL COSTS:

CHEMICAL	Kg per Day	Kg per Month	Cost per Kg	Cost per Month
Cost per Month			R	

WATER TREATMENT PLANT – MONTHLY SERVICE:

Cost per Month	R
-----------------------	----------------

Total Cost per month	R
VAT	R
Total	R

Monthly Service – Water treatment Plant

1. Check all equipment and make adjustments as necessary.
2. Do full water analysis of raw water, softened water, feed water and boiler water.
3. Document all results and distribute.
4. Advise boiler foreman and operator as necessary
5. Report any faulty equipment.

2.4 CHEMICAL FORMULATIONS♦ FOR BOILER WATER TREATMENT

DESIGNATION OF COMPOUND AND PURPOSE	CONSTITUENTS OF COMPOUND CHEMICAL PERCENTAGE BY MASS OR VOLUME	PURPOSE OF COMPOUND	SOLID OR LIQUID	PACKING TYPE, SIZE	COMPOUND PRICE PER UNIT MASS OR VOLUME

2.5 BOILER WATER TREATMENT ANALYTICAL REPORT

SITE:		DATE OF SAMPLE:		No.								
RESPONSIBLE PERSON		DATE OF TESTING:		TIME:								
		PRE-TREATMENT & FEED				BOILERS						
ANALYSIS	LIMITS	Raw	Soft1	Soft2	Comp Feed	Daily Feed	Conden- sate	No. 1	No. 2	No. 3	No. 4	No. 5
Gov. Reg. No												
pH @ 25°C	Boilers 10,5 - 11,5 pH											
	Condensate ± 8.3 pH											
Hardness as CaCO ₃	0 - 10 mg/l											
DM Value/Tannin index	12 - 16											
P Alkalinity as CaCO ₃	15 - 20% of TDS											
SO ₄ ²⁻	30 - 60 mg/l											
Chlorides as Cl ⁻	Less 500 mg/l											
T.D.S.	2000 - 3500 mg/l											
Chemical dosages per shift of	8	12	24	CHEMICAL				TREATMENT				
PRODUCT	NEW	PRESENT		STOCK LEVEL		STOCK ORDERED						
1.												
2.												
3.												
4.												
5.												
BLOWDOWN RATE:	Boiler No..... secs/ hrs		No. secs/..... hrs		No.....secs/.... ....hrs							
WATER METER READING	Present	m ³		Condensate Meter Reading:		Present		m ³				
	Previous	m ³				Previous		m ³				
	TOTAL	m ³				TOTAL		m ³				
Total make-up over	Days =	m ³		Condensate return		%						
Average make-up per day	=	m ³		Total Cost/m ³ Feed		cents						

REMARKS:

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Service Engineer: Responsible
Person:.....
Date of next visit:..... Control Inspector:
.....

Service Engineer:

Responsible

Person:.....

Date of next visit:.....

Control Inspector:

2.6 TABLE OF TENDER COST FOR COMPARISON: (TOTAL VALUE)

REGIONS	MONTHLY COST PER REGION (VAT INCLUSIVE)
Ehlanzeni North	R
Ehlanzeni South	R
	TOTAL ANNUAL COST R

2.7 WATER SOFTENERS (Excluding VAT)

Grade of Resin offered

Manufacturers Name

Exchange Capacity

Country of Origin

Amount of salt required for reformation per m³

Expected life of resin

Is resin offered new?

Specify filtration media offered

Price of Exchange Resins R..... per litre

Price of salt in Brine tank R/kg

Place of delivery

Cost of delivery extra

Give details

Price of Filtration media R..... /m³ or Kg

Details of delivery extra

Price for testing of existing resin R

Make and model of Pre-filter to filter feedwater to softener (25 micron cartridge and pressure relief valve)

Price of filter

2.8 PRODUCT FOR IRON CONTAMINATION

A product that will solubilize iron contamination on a Sodium Iron exchange resin

bed. R/litre

2.9 TREATMENT FOR EXHAUST GASSES.

A product that will assist in the reducing of smut emission, soot deposits, corrosion and slagging is required to ensure that the acceptable standards of total solid emission via the exhaust gasses is

maintained. kilogram/liter

2.10 Test Kit:

Price per complete Kit R.....

Give details of each compound and prices.

.....

.....

.....

Give full description and working off test kit

.....

.....

2.11 PRICE SCHEDULE - WATER SOFTENER (ALL PRICES EXCLUDE VAT)

ITEM	DESCRIPTION	CAPACITY	SUPPLY AND DELIVERY TO SITE.
1.	Duplex softener complete	12 litre	R.....
2.	Duplex softener complete	20 litre	R.....
3.	Duplex softener complete	30 litre	R.....
4.	Duplex softener complete	50 litre	R.....
5.	Duplex softener complete	80 litre	R.....
6.	Duplex softener complete	120 litre	R.....
7.	Duplex softener complete	200 litre	R.....
8.	Duplex softener complete	 litre	R.....

DETAILED TECHNICAL SPECIFICATION FOR WATER SOFTENER AND CHEMICAL DOSING SYSTEM**(i) WATER SOFTENER**

A fully automatic volumetric controlled water softener is required to soften water for the purpose of feed-water for steam boiler installations/ laundry. The raw water is supplied by the relevant Municipality. The hardness after softening must not exceed 5 mg/l CaCO_3 .

The softener must deliver **continuous** soft water. With a salt usage of 150g NaCl/litre of resin, the exchange capacity must not be less than 60g/litre. The resin must be of the synthetic non-phenolic polystyrene type. Each vessel must be capable of handling the total quantity, so that the one vessel is in effect a standby for the other.

(ii) CONSTRUCTION OF THE PLANT

The softener vessel must be designed to withstand a working pressure of up to 690kPa. The metal mild steel vessels must be heavily coated with a corrosion resistant paint, or epoxy coated with a material such as Copon. Alternatively pressure vessels constructed with ABS innershell and laminated fibre glass/epoxy outer are also acceptable. Galvanised vessels are unacceptable.

Hand holes must be provided at the base, and the top dome cover must either be completely removable or a large manhole must be provided in the top or in the side to allow for internal inspection. The man hole(s) must conform to the requirements of the Occupational Health and Safety Act, Act 85 of 1993, as amended Vessels without one manhole each will not be accepted.

The vessel must be supported on robust strap legs. At the bottom of the vessel distributor a plate must be fitted with sufficient plastic distributors of the non-clogging type to ensure an even distribution of the flow. Alternatively a Riser system may be used.

The brine tank shall be of GRP (fibreglass) construction.

The pressure gauge must be not less than 100mm in diameter and the siphon bend must be fitted with a stop cock to allow for replacement of the gauge. The control valve must be of robust construction and either be top or side mounted. The valve must be complete with staging meters and timers and incorporate injectors and backwash controllers, operating completely mechanically and allowing low operating pressure during service flow.

The water meter must be sized to accommodate maximum flow but must be small enough to register the small flow of water experienced during summer. i.e. the meter will be smaller than the raw water supply pipe.

A Pre-filter, Cartridge type housing, Ameter No.10 or equal must be provided for installation direct prior to the softener vessel inlet, complete with 25 micron cartridge and pressure relief valve.

(iii) TEST KIT

A test kit must be supplied with the softener to determine the hardness of the softened water.

Full instructions on the operation of the test kit, in an insect Proof plastic holder, must be supplied with the kit. Chemicals used with the test kit must have a shelf-life of at least 6 months.

(iv) PIPES AND PIPE FITTINGS.

The price includes one(1) m of pipe to each side.

(iv) CHEMICAL DOSING SYSTEM

A proportional load compensating dosing system consisting of a minimum of two dosing pumps with stepdown tanks shall be supplied. The pumps must be capable of delivering a minimum of 2 l/h at 200 kPa. The scale and iron control chemical shall be fed into the soft water line prior to the feed water pump but after the Base Exchange softener and the oxygen scavenger directly into feed tank.

Both dosing pumps must be activated by an impulse water meter that is installed between softener and feed tank at intervals of 100 liters.

NOTE: CONTROL OF TREATMENT

The successful tenderer (hereafter referred to as the contractor) will be required to supply the services of suitably and properly qualified technical staff to undertake analyses and control the treatment at intervals not exceeding one calendar month, the cost thereof being included in the tender price for the treatment chemicals.

The name of such staff and qualifications must be provided and preference will be given to tenderers having staff possessing a university degree relevant to this service. Should visits at more frequent intervals be required, these must also be provided without any additional cost. Any change in staff must be reported, giving full details immediately such change is made.

Tenderers must have one or more fully equipped laboratories for the purpose of making off site analyses of samples of water, scale deposits, etc.

The reporting of all tests must be done on the attached analytical form (Form A) and must be completed in full detail. Water meter readings must be taken by the contractor and not extracted from local records. Each month a cost of treatment must be compiled and reflected on the form. A separate sheet showing the calculations may be submitted together with the Form A monthly.

Distribution of these reports will be as follows:

1. To the responsible person on site at conclusion of testing.
2. A legible copy to the Regional Representative.
3. A legible copy to the Mechanical Engineering, Chief Directorate : Works, Private Bag X11310, NELSPRUIT, 1200 or delivered by hand Bell Towers, 18 Bell Street.

2.12 Equipment:**2.13 Water meters****Cold water meters:**

Domestic multi-jet wet-dial brass bodied

Pressure rating: 1600 kPa

Max Temperature: 40°C

No pulse

Description	Flowrate	Price (Ex VAT)
20 mm	m ³ /h	R
25 mm	m ³ /h	R
40 mm	m ³ /h	R

Pulsed domestic multi-jet wet-dial brass bodied

Pressure rating: 1600 kPa

Max Temperature: 40°C

With pulse 1per 100 litres

Description	Flowrate	Price
20 mm	m ³ /h	R
25 mm	m ³ /h	R
40 mm	m ³ /h	R

Bulk meters flanged

Pressure rating: 1600 kPa

Max Temperature: 50°C

With pulse 1 per 100 litres

Description	Flowrate	Price
50 mm	m ³ /h	R
80 mm	m ³ /h	R
100 mm	m ³ /h	R
150 mm	m ³ /h	R
Reed pulser		R

Hot water meters:

Domestic multi-jet drydial type

Pressure rating: 1600 kPa

Max Temperature: 130°C

With pulse 1 per 100 litres

Description	Flowrate	Price
20 mm	m ³ /h	R
25 mm	m ³ /h	R
40 mm	m ³ /h	R

Bulk meters flanged

Pressure rating: 1600 kPa

Max Temperature: 130°C

With pulse 1 per 100 litres

Description	Flowrate	Price
50 mm	m ³ /h	R
80 mm	m ³ /h	R
100 mm	m ³ /h	R
150 mm	m ³ /h	R
Reed pulser		R

2.14 Dosing Pumps:

Description	Lt/ hour	Max press	Price
LMI	1		R
LMI	2.2		R
LMI	5		R
			R
			R

Dosing Pumps spares:

Description	Price
Delivery valve	R
Foot valve & strainer	R
Spare kid	R
Dosing head	R
Suction valve	R
Injection nozzle	R
Motor cover	R

2.15 Boiler sample cooler:

Description	Price
Boiler sample cooler	R

2.16 Chemical tanks:

Description	Capacity	Price
Step down tank	150 L	R
Step down tank	250 L	R
Step down tank	350 L	R
Step down tank	500 L	R
Step down tank with s/glass	150 L	R
Step down tank with s/glass	250 L	R
Step down tank with s/glass	350 L	R
Step down tank with s/glass	500 L	R

Description	Capacity	Price
Tank Plastic + Lid	50 L	R
Tank Plastic + Lid	100 L	R
Tank Plastic + Lid	200 L	R
Tank Plastic + Lid	350 L	R
Tank Plastic + Lid	500 L	R
Tank Plastic + Lid	750 L	R
Tank Plastic + Lid	1000 L	R
Tank Plastic + Lid	1300 L	R
Tank Plastic + Lid	2000 L	R

2.17 Booster Pumps:

Description	Capacity	Price
CMA 200/100LT / 220V	7m³/h	R
PM 80/24LT 220V	3m³/h	R

Booster Pumps spares:

Description	Price
B/pump motor CMA 200	R
B/pump motor PM 80	R
Bladder 24L	R
Bladder 100 LT	R
5 way connector piece	R
Press switch 6-12 Barr	R
Hydrosphere Tank 24 LT	R
Hydrosphere Tank 100 LT	R

2.18 Carbon filters Automatic complete:

Description	Capacity	Price
PCF 250 carbon filter	1500 L/HR	R
PCF 325 carbon filter	2600 L/HR	R
PCF 350 carbon filter	3000 L/HR	R
PCF 525 carbon filter	6700 L/HR	R
PCF 600 carbon filter	9800 L/HR	R

Carbon filters spares:

Description	Price
PCF 250 control valve	R
PCF 325 control valve	R
PCF 350 control valve	R
PCF 525 control valve	R

PCF 600 control valve	R
Riser pipes	R

2.19 Sand filters Automatic complete:

Description	Capacity	Price
PSF 250 sand filter	1000 L/HR	R
PSF 325 sand filter	1700 L/HR	R
PSF 350 sand filter	2000 L/HR	R
PSF 525 sand filter	4500 L/HR	R
PSF 600 sand filter	5800 L/HR	R

Sand filters spares:

Description	Price
PSF 250 control valve	R
PSF 325 control valve	R
PSF 350 control valve	R
PSF 525 control valve	R
PSF 600 control valve	R
Riser pipes	R

2.20 Media (resins, sand, carbon)

Description	Kg	Price
Filter sand fine 0.6-1.5 mm	1 Kg	R
Filter sand course 1.2- 2.4 mm	1 Kg	R
Filter sand pebbles 6-9 mm	1 Kg	R
Filter sand stone 13mm	1 Kg	R
Filter sand stone 20-25 mm	1 Kg	R
Alumina activated	1 litre	R
Alumina Raw	1 litre	R
Resin Cation Softener IR 120 NA	1 litre	R
Resin Anion demin IR 402 CL	1 litre	R
Resin Cation demin IR 120 H	1 litre	R
Resin mixed bed demin DMF	1 litre	R
Resin MB 6113 Duolite	1 litre	R
Anthracite	1 Kg	R
Activated carbon GRC 6X12	1 litre	R
Activated carbon GRC 8/16	1 litre	R

2.21 Softener complete***Single vessel Timer control***

Resin volume	m³/h	Price
12	1	R
20	1.6	R
30	2.4	R
50	3.2	R
80	4	R
120	6	R
120 low flow	4	R
200	10	R
300	15	R

2.22 Softener complete***Single vessel economizer control***

Resin volume	m³/h	Price
12	1	R
20	1.6	R
30	2.4	R
50	3.2	R
80	4	R
120	6	R
120 low flow	4	R
200	10	R
300	15	R

2.23 Softener complete***Duplex softeners***

Resin volume	m³/h	Price
12	1	R
20	1.6	R
30	2.4	R
50	3.2	R
80	4	R
120	6	R
120 low flow	4	R
200	10	R
300	15	R

Softener spares:

Description	Price
Fleck service pack no 4	R
Fleck service pack no 5	R
25mm Riser pipe	R
25mm top distributor	R
Piston assembly – Lower	R
Piston assembly – Upper	R
Brine tank	R
Timer motor	R
Micro Switch (Pin)	R
Meter cable assembly	R

POTABLE WATER TREATMENT:

The scope of potable water treatment is to purify water that is for human consumption were non – municipal water, river or dam water is used.

The company tendering must be able to supply complete water purification plants calculated on water quality and flow rates.

Water plants could be able to flocculate, filtrate and chlorinate water to the world health specification standards.

Chemical Pack size and Price

Product	R/kg	Unit Prize
chlorine		R.....
floc		R.....
		R.....
		R.....
		R.....
		R.....
		R.....
		R.....
		R.....

2.24 SCHEDULE OF INFORMATION - SOFTENERS (To be filled in by Tenderer)

All schedules which accompany the tender notice form an integral part of it and must be completed in every detail. Failure to do this may render a tender ineligible for consideration.

Under no circumstances will the following types of statement be accepted as answers:

"See attached pamphlets"

"Refer to catalogue"

"Data to follow", etc.

2.25 WATER SOFTENING PLANT

1. Make and manufacturer of plant
2. Model
3. Country of origin
4. Does the softener deliver continuous soft water
5. Type of exchange material
6. Make of exchange material
7. Exchange capacity of exchange material
8. Material and thickness of drum plate
9. Working pressure (Maximum)
10. Working pressure (Minimum)
11. Is a manhole fitted? Size
12. Are handholes fitted? Size
13. Type of anti-corrosion treatment
 - (a) Internal
 - (b) External
14. Number of distributors
15. Material of distributors
16. Make and size of pressure gauge
17. Full scale deflection of pressure gauge [kPa]
18. Make and type of control valves

19. Make and type of test kit
20. Is piping colour coded?
21. Will operating instructions be supplied as specified
22. Will softener be supplied fully charged and ready for operation after installation
.....
23. Does the plant comply with the Occupational Health and Safety Act (Act 85 of 1993),
as amended?
24. Is illustrated pamphlet attached
25. How and where is salt administered for regeneration?
.....
26. Guarantee period
27. Delivery period
28. Remarks
29. Does the one vessel act as a standby for the other

REMARKS

.....

NOTE

- i) Unless and until a formal agreement is prepared and executed, this Tender together with the written acceptance thereof by yourselves or any person acting on your behalf shall constitute a binding Contract between the Department and yourself.
- ii) All rates shall include for consumables as specified, production of job cards and reproduction of job cards on completion of work and submittal with invoice.
- iii) Escalation shall be calculated as specified on the dates as specified.
- iv) Is after hours emergency facilities available?
- v) If yes indicate Telephone No
- vi) Will training be given as specified?
- vii) Copies of artisans certificate of qualification attached.

Yes	No
Code	
Yes	No

I/We hereby confirm that I/We have satisfied myself/ourselves as to the correctness and validity of my/our tender, that the price(s) and rate(s) quoted cover all the work/item(s) specified in the tender documents and that the price(s) and rate(s) cover all my/our obligations under a resulting contract and that I/We accept that any mistakes regarding price(s) and calculations will be at my/our risk.

FULL NAME AND ADDRESS OF TENDERER :

TENDERERS SIGNATURE

DATE

MPUMALANGA PROVINCIAL GOVERNMENT

DEPARTMENT OF PUBLIC WORKS, ROADS & TRANSPORT

PREPARATION OF STEAM BOILERS FOR INSPECTION ACCORDING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AS WELL AS GENERAL MAINTENANCE, REPAIR AND INSTALLATION OF NEW STEAM GENERATING PLANTS AT VARIOUS INSTITUTIONS IN EHLANZENI AND BOHLABELA DIST WITHIN EHLANZENI AND BOHLABELA DISTRICTS

C3 Scope of Work

1 DESCRIPTION OF THE WORKS

1.1 Employer's objectives

To ensure a safe and continuous supply of steam to Hospitals.

1.2 Overview of the works

The preparation of steam boilers as prescribed by the OHS Act

1.3 Extent of the works

35 Steam Boilers situated at Hospitals in Mpumalanga Province.

1.4 Location of the works

Situated at Hospitals in Mpumalanga Province.

1.5 Temporary works

N/A

2 Drawings

Standard Drawings for Steam Installations

3 Procurement

3.1 Preferential procurement procedures

The works shall be executed in accordance with the conditions attached to preferences granted in accordance with the preferencing schedule.

4.1 Applicable national and international standards

- Standard Specification for steam reticulation
- OHS Act

4.2. Generic specification:

MPUMALANGA PROVINCIAL ADMINISTRATION
DEPARTMENT OF PUBLIC WORKS, ROADS & TRANSPORT
CONTRACT FOR THE PREPARATION OF STEAM BOILERS FOR INSPECTION
ACCORDING TO THE
OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AND GENERAL
MAINTENANCE WITHIN EHLANZENI AND BOHLABELA DISTRICTS

1. GENERAL CONDITIONS

1.1 a) General

Tenders are hereby invited for the preparations of steam boilers for inspection according to the Occupational Health and Safety Act (Act 85 of 1993) and general maintenance for Boilers installations at institutions as set out hereunder.

All work required shall be executed on receipt of written orders/ instructions only.

- A. GERT SIBANDE REGION – ERMELO OFFICE
 - B. NKANGALA REGION REGION – KWAMHLANGA OFFICE
 - C. EHLANZENI REGION SOUTH – NELSPRUIT OFFICE
 - D. EHLANZENI REGION NORTH – PILGRIMS REST OFFICE
-

1.1 b) Contract Period

The CONTRACT will be for the period of three years.

1.2 Definitions

The term "DEPARTMENT" shall mean the DEPARTMENT OF PUBLIC WORKS, ROADS & TRANSPORT, MPUMALANGA PROVINCIAL ADMINISTRATION.

The term "ENGINEER" shall mean the DEPARTMENT OF PUBLIC WORKS, ROADS & TRANSPORT acting through the person deputed generally or specially to having the power and authority to control or supervise the WORKS.

The term "CONTRACTOR" shall mean the persons, partnership, firm or company whose tender for this work has been accepted and who has or have signed this CONTRACT, and shall include his or their heirs, executors, administrators, successors, and duly appointed representatives, with the consent in writing of the Department.

The term "SITE" shall mean the site where the WORK is to be executed.

The term "WORKS" in this contract shall mean all or any portion of the work, materials consumable and non-consumable and articles wherever the same are being manufactured or prepared, which are to be used in the execution of this contract, and whether the same may be on the SITE or not.

The word "SPECIFICATION" shall mean the documents referred to in this CONTRACT in which the method of executing the WORK and the nature of the materials to be supplied are described.

The word "ORDER IN WRITING" shall mean any printed or written document, or letter, signed by the ENGINEER and addressed to the CONTRACTOR, for the purpose of his guidance and direction.

"CONTRACT" means all the terms, conditions, specifications, price schedules, schedules of technical and other information, which are part of the tender document describing the contract to be completed and which are agreed upon between the Contractor and the Engineer upon duly signing of the appropriate part(s) of said document(s) by the Contractor after having been notified of the acceptance of the tender.

"CONTRACT PERIOD" means the period of duration of the Contract, calculated from the commencement of the Contract stated in the tender document.

1.4 Schedules

All schedules which accompany the form of tender form an integral part of the tender and must be duly completed in every detail. Failure to do so may render the tender ineligible for consideration. The tenderer must ensure upon submission of his tender that all pages of the TENDER are initialled and all schedules properly completed.

1.5 Agencies

The successful tenderer will be required to submit quotations for certain services from time to time and where applicable the following shall apply.

- a) Where the tenderer offers plant embodying units of manufacture other than those of their principals, and for which they are not accredited South African Agents and for which they do not stock spare parts, they should state in their quotations the name of the accredited South African Agents from whom spare parts for such units are obtainable.

All things being equal, preference will be given to products for which there is a manufacturer or an accredited agent in the Republic of South Africa for the spare parts, provided that such parts are already in stock.

- b) In all cases the tenderer should furnish an undertaking from himself or the manufacturers or agents concerned, to the effect that he will, in the event of his offer being accepted, carry the necessary stock of spare parts for the particular units offered.

Tenderer's shall also state whether they have properly trained staff to carry out servicing of the offered equipment.

1.6 Value added tax

Tender prices shall indicate VAT separately. Value Added tax shall also be reflected separately on all invoices submitted for payment consideration.

1.7 Contract Period, Renewal and Tariff Adjustment

This tender is valid for a period of twelve (12) months commencing from the date of the letter

of acceptance of the tender and may continue for a further two (2) periods not exceeding twelve (12) months each on the same conditions contained herein. Notice of termination shall be given three (3) months prior to the end of each period. Should notice of termination not be received by the Contractor three (3) months prior to the end of each period, the contract shall continue for another period of twelve (12) months. If the renewal tender is not in place after the three year period, this tender will be extended on a month-to-month basis until the new tender is in place.

NOTE: The contract tariffs and rates shall remain fixed for each twelve (12) calendar month period and shall be subject to increase in accordance with the SEIFSA / Heylett formula at the end of each period to be applied to the next period. The increase shall be calculated on tariffs as per schedule one (1) and four (4) excluding the mark-up on material.

1.8 Materials: Off loading

The Contractor shall be responsible for taking delivery, off-loading and placing into permanent position all items of equipment and materials.

1.9 Drawings and specifications

The Contractor shall conform minutely to the drawings and/or specification, and to any Orders in writing which the Engineer may supply during the progress of the contract. Should any difference or discrepancy exist between the drawings and the specification or should there be any difference or discrepancy in the figures or in the scales or the descriptions or the dimensions or between any of them, or in any other respects whatsoever, it shall be the duty of the Contractor to seek in writing the decision, also in writing, of the Engineer on the true intent and meaning of the Contract which decision shall be final and binding.

1.10 Quantities of work

- a) The Contractor shall receive payment only for work actually executed and accepted.
- b) Without invalidating the Contract, the Engineer shall have the right by means of an order in writing, to increase or decrease the quantities of any item or items or to omit any item or items or to insert any additional item or items.
- c) No claim for extra or for any addition, or for any variation shall be entertained unless such extra, addition or variation was ordered in writing by the Engineer. No objection to the description or terms of an Order in Writing will be entertained unless lodged in writing with the Engineer within twenty-one days of the date of the Order.
- d) The value of any additional item or items, or for any variation will be adjusted by mutual agreement. In the event of a price for any variation being inserted in the Order in Writing to the Contractor, it will be understood that he accepts same unless he lodges a written objection to such price within twenty-one days of his receipt of the Order.
- e) No liability or responsibility whatever shall attach to the Department in respect of materials ordered by the Contractor unless the same are so ordered on the basis of, and in accordance with the specification or any Orders in Writing to the Contractor.
- f) Should the Contractor be requested by the Engineer in an Order in Writing to execute work or to supply any labour or materials which, according to his interpretation of the Contract are not provided for therein, or if for any reason he considers that he is entitled to an increase on his Contract Amount, or to a claim arising outside the scope of his Contract, he shall forthwith give notice, in writing, to the Engineer that he shall require to be paid for the same as extra work. The Contractor shall, however, proceed to act upon such Order In Writing (unless or until the same be countermanded), so that neither the execution of the Works, nor the supply of material or labour may be delayed by any

difference or controversy upon the interpretation of the Contract and it is expressly agreed that no claim shall arise under this clause unless such notice as aforesaid shall have been given to the Engineer within twenty-one days of the date of the Order in Writing.

1.11 Inspection of Works : Materials, Plant

The Engineer may at all times inspect the Works and may test the strength or quality of any materials, as he shall think necessary. For this purpose the Contractor shall provide all the assistance necessary. Should the Engineer consider any materials objectionable, or if it shall appear to him at any time during the construction, or prior to the expiry of the maintenance/guarantee period, that any part thereof has been executed with unsound or imperfect materials or with unskilled or imperfect workmanship, he will notify the Contractor accordingly in writing, and the Contractor shall cause the objectionable materials to be instantly removed from the premises and to be replaced by good and suitable materials and shall rectify or reconstruct the Works in whole or part, as the case may be, at his own proper cost and charge.

1.12 Testing, handing over and completion of the works

The procedure for hand-over inspection shall be as follows:-

- a) The Contractor shall satisfy himself that the works are complete and to specification in all respects. The Contractor shall then apply to the Engineer for an inspection on a date that suits both parties. The Contractor shall make timeous arrangements with the relevant officer for inspection of all Work prior to departure of the Contractor's workmen from the Site. The Contractor shall submit his final invoice on the day of the delivery inspection. The invoice shall then be considered for payment if the Works are accepted.
- b) Should any item whatsoever be noted during the inspection, which may require attention or rectification, the Works will not be accepted. It will be necessary for the Contractor to again arrange for an inspection once all outstanding items have been rectified at no cost to the Department. Acceptance of the works will only be taken as and when the Works are completed in every detail.

1.13 Terms of payment

- a) Unless specifically stated otherwise in the Contract Documents, full payment will be made monthly within 21 days of receipt of such an application by the Engineer. Payment will, however, only be passed for work actually and satisfactorily completed or services actually and satisfactorily executed. Reports to be submitted, are considered to be part of the work or service.
- b) The Contractor undertakes not to cede, delegate or assign his rights or claim to any money due or to become due under this Contract or any liabilities and no such cession, delegation or assignment will be recognised by the Department.

1.14 Work on time basis - (Not covered by rates)

Where the Engineer shall so decide, the Contractor will carry out extra work and variations on a time basis and payment will be made based on the rates tendered in accordance with this document.

In addition, all other direct costs reasonably incurred, shall be allowed to the Contractor. In all such cases the Contractor will be required to deliver to the Engineer fortnightly a full detailed account in duplicate of labour and materials. One signed copy will subsequently be returned to the Contractor and he must produce same in the adjustment of settlement of

accounts. Should the Engineer query any such account, the Contractor must be notified thereof within 14 days of receipt of the account. In the event of such detailed accounts or being so delivered through neglect or default of the Contractor he will forfeit any right to such payment.

This will relate to extra work, additions or variations not covered by the tendered schedule of rates.

1.15 Guarantee period

- a) The Contractor shall unconditionally guarantee and maintain all work performed for a minimum period of 3 months from date of acceptance. If the Contractor or his supplier has a standard guarantee which exceeds this minimum warranty called for, the greater period will be applicable.

The guarantee shall cover the performance of the Works and any defects due to inferior materials and/or workmanship, fair wear and tear excluded, and the Contractor shall repair any defect without delay.

- b) Should any part of the Works perform unsatisfactory so as to become detrimental to its functional use the Contractor shall replace any such part or the complete Works with equipment as prescribed by the Engineer.
- c) If any defects are not remedied without delay, the Engineer shall have such defect repaired at the risk and cost of the Contractor by another contractor the Engineer deems proficient in the WORK without prejudice to any rights the Engineer has against to Contractor. The Engineer will give written notice to the Contractor of such instances where he appoints another contractor to remedy defects in the Works.

1.16 Contractor responsible for losses

- a) Injury to persons: The Contractor shall be liable for and hereby indemnifies the Department in respect of any liability, loss, claim or proceedings whatsoever arising in Common Law or by Statute in respect of personal injuries to or death of any person whomsoever arising out of or in the course of or caused by the execution of the Works unless due to any act or neglect of the Department or its servants.
- b) Damage to property: The Contractor shall be liable for and hereby indemnifies the Department in respect of any liable loss, claim or proceedings and for any injury or damage whatsoever, including theft of materials, arising out of or taking place during the course of or by reason of the execution of the Works to any property, real or personal, due to any negligence, omission or default of himself, his agent or his servants or Sub-Contractor or any circumstances within his control.

1.17 Workmen's Compensation and Insurance

The Contractor shall at all times comply with the provisions of the Workmen's Compensation Act 1941.

The Contractor shall further at his own expense insure and keep all persons employed by him or his Sub-Contractor in and about the Works who do not fall within the provisions of the Workmen's Compensation Act insured against all risk of accident or death arising out of their employment.

1.18 Builders work and builders work drawings

All builders work required form part of this contract.

When called upon the Contractor shall furnish the Department with fully detailed drawings indicating building work required.

1.19 Suspension of work

Except in so far as the Department may (in writing) otherwise direct or require, the Contractor shall suspend and discontinue the entire progress and execution of the said Works throughout the whole of each and every Sunday and Public holiday.

The Contractor shall suspend or resume the execution of the Contract whenever called upon by the Engineer to do so. Any telephonic or verbal instruction in this connection, shall subsequently be confirmed in writing by the Engineer.

1.20 Overtime and Emergency Services

The working of overtime is not intended under this Contract and no overtime will be paid in respect of normal Works. Overtime will only be entertained in cases of emergencies where breakdowns occur to essential services.

Should an emergency arise or where it is deemed necessary in the interests of the Department, specific authority for such overtime must be obtained.

Emergency repairs after hours may be executed without receipt of an official order, but only on the instruction of the Engineer or a duly appointed official of the Department. The Contractor must, however, ensure that the Official or the User Department signs the Job Card. The Contractor must also ensure that he obtains the official order number from the Department on the following working day. No payment will be made without an order number and a duly completed and signed job card.

Only breakdowns which affect public health, or the operation of sensitive operations (such as mortuaries, laboratories, etc.) shall be treated as emergency services. Breakdowns involving personal comfort will not be considered to be an emergency service unless authorised as such by the Engineer.

The following are deemed as essential services:

- a) Life Saving Equipment.
- b) Theatre Services.
- c) Main Steam Supply.
- d) Stand-by generating plant.
- e) Mortuary and/or refrigeration plant.
- f) Main potable water supply.
- g) Sewage plant.

1.21 Rate of progress

- a) The Works shall be completed within the time period indicated on the quotation form from date of official order.
- b) If the Works are delayed by cessation of work by any workmen, inclement weather, or by any omissions, additions, substitutions or variations of the Works, or of any items of work labour or material, or by any other causes beyond the Contractor's control then the Contractor shall have the right within twenty-one days of any such cause of delay arising, to apply in writing to the Department to extend the date of completion mentioned in sub-clause (a) of this clause, stating the cause of delay and period of extension applied for.
- c) The Department upon receipt of such written application may by order in writing extend such date of completion by a period to be determined, or may refuse to extend such date of completion, or may postpone giving a decision upon such application until completion of the Contract period set out in sub-clause (a) of this clause, the date of completion will be extended only to the extent approved by the Department.

- d) Should the Contractor fail to apply in writing for an extension within the time set above, or should the Department refuse to grant any extension in writing, then the Contract period provided by sub-clause (a) of this clause shall not be exceeded.
- e) When the Works are completed the Department will give a completion certificate and the date of such certificate shall be the date of commencement of the guarantee period.

1.22 Time to be of the essence

Time shall be considered as the essence of Contract. If, therefore, the Contractor fails to commence work or the Works or to proceed with and complete the Works in compliance with the preceding clause and in the manner therein stated, then the Engineer shall have the right in his absolute discretion forthwith, and from time to time, to adopt and exercise all or any one or more of the following courses either wholly or partly or by way of substitution, succession, or variation of the one or more for the other or others of them wholly or partly, viz:-

- i) To direct the Contractor, in writing, on any day named to suspend and discontinue the execution of the Works, and to withdraw himself and his workmen from the said Site or Sites, and there-upon:-
 - a) To make any Contract or Contracts by calling for tenders or otherwise with any other Contractors for the completion of the Works, or any part thereof, at such time and upon such terms as to the Department shall seem best.
 - b) To provide such number of men or purchase such materials as to him shall seem fit and proceed with and complete the said Work.
- ii) In relation to the foregoing provisions the Department shall charge any sums of money which may be paid by the Department for completing the said Contract against the Contractor and if such amount shall exceed the amount still to be paid to the Contractor under this Contract, then the Department shall have the right to recover such excess or any balance thereof from the Contractor by legal proceedings.

1.23 Bankruptcy or insolvency

If an order be granted by the Court sequestrating the Contractor's Estate under the present or any future insolvency laws or if the Contractor shall make an assignment of his Estate for the benefit of his Creditors, the Engineer shall be at liberty forthwith to act as provided for by one or other of these courses directed in Clause 1.22 of these conditions.

1.24 Subletting

The Contractor shall as and when necessary submit (in writing) to the Engineer the names of such Specialist-Contractors as he proposes to employ and the Engineer shall inform the Contractor, also in writing, within twenty-one days by of his approval or disapproval of such Specialist-Contractors.

No Sub-Contracts will be allowed which will involve piece-work or any deviation from the ruling conditions, information or statements contained in the Contract and the Contractor shall be prohibited from transferring, directly or indirectly by piece-work or otherwise, to any person or persons whatever, any portion of the work under this Contract without the written permission of the Engineer.

All work except for specialist work shall thus be carried out by the Contractor's own staff.

Any specialist work (e.g. machining, welding, testing etc.) performed for the Contractor by a approved third party and forming an essential part of a Works order, shall be invoiced to the

Department by the Contractor at nett cost plus 10% on labour and materials, all necessary documentation for verification shall be submitted with the relevant invoice.

1.25 Workmen to be Efficient

The Contractor shall only employ such persons on the Works as are thoroughly efficient and of good character. If, in the opinion of the Engineer, any person employed by the Contractor misconducts himself or is likely to cause or has caused quarrels, or delays, or is incompetent, the Contractor, when so directed by the Engineer (in writing), shall at once remove such person from the site of the Works and shall not allow him to return without the written permission of the Engineer.

1.26 Penalty for bribing or treating

Any bribe, commission, gift, loan or advantage given or offered by or on behalf of the Contractor or his partner, agent or servant in relation to the obtaining, or to the execution of this or any other contract for the Department, or given, promised, or offered by or on behalf of the Contractor or his partner, agent or servant to any officer or person in the service or employ of the Department who shall be in any way connected with the obtaining or the execution of this or any other contract, subjects the Contractor to cancellation of this and all other Contracts between the Contractor and the Department.

1.27 Liquidated damages

Should the Tenderer fail to deliver the works in the time stipulated for delivery the Engineer may deduct $\frac{1}{14}\%$ (one-fourteenth per cent) of the value of the works per day for each day on which delivery of the works may be in arrears.

1.28 Injury to Buildings and Property of the Department

If the Contractor or his Workmen, while engaged in the execution of the Contract, breaks, defaces, injures, destroys or allows to fall into disrepair any part of the Contract or buildings, installations, equipment etc. on the site of the contract belonging to the Department of any private building, roads or grounds contiguous to the premises of the said Department on which he or they may be employed, the Contractor shall upon receiving instructions (in writing) from the Engineer, cause the same to be made good, in a perfect and workmanlike manner, at his own expense, and in default thereof the Engineer shall cause it to be done by some other tradesmen, the cost thereof being deducted in the manner laid down in this document.

1.29 Contractor Responsible for the Premises for the Works, for Accidents, Insurance etc.

- a) The Contractor shall execute the Works and any activities concerning or related to the Works and/or as set out in the Contract, causing the least possible delay or disruption to the normal activities associated with the Works or to the normal activities associated with any areas, rooms, buildings or dedicated spaces adjacent to the premises for the Works.
- b) The Contractor shall leave the Works and premises when a service, maintenance activity or a repair effected under this Contract is finished, in a clean and perfect state internally and externally, fit for occupation and use and complete in every respect.
- c) The Contractor shall be responsible also for the protection and safety of such of the premises, improvements, property and/or equipment of the Department as shall be placed under the control of the Contractor for the purpose of this Contract until the Contract shall have been finally completed and given up as aforesaid.
- d) The Department will carry the risk of damage to or replacement of buildings, materials and plant on site, caused by fire, subject to Clause 1.29(e) and Clause 1.29(f)

hereunder, to the same extent as if the property on the site of the contract were insured with an Insurance Company.

- e) The Contractor shall take all reasonable precautions to prevent any equipment or property on the site of the Works being damaged by fire. Should a fire occur causing damage to the Works in progress or property, installations or equipment related to or involved in the Works, he shall:-
- i) Immediately notify the Engineer in writing of the fire and of the damage caused thereby;
 - ii) within forty-eight hours of the occurrence, furnish the Engineer with a detailed statement showing:-
 - (i) Cause and time of occurrence.
 - (ii) extent of damages or loss;
 - (iii) when discovered and by whom;
 - (iv) steps taken to combat the fire;
 - (v) estimated cost of making good damage or loss;
 - (vi) original cost of material or plant damaged and approximate date of purchase, supported by documentary evidence, if required;
 - (vii) person responsible for the fire, if known;
 - iii) obtain and submit to the Engineer a copy of a report by the local Firemaster, if available;
 - iv) obtain and submit reports by person or persons:-
 - (i) Who discovered the fire;
 - (ii) who is or are responsible for the fire.
- f) Excepted risks - The Contractor shall not be liable for "excepted risks". These risks are riot (in so far as it is uninsurable), war, invasion, act of foreign enemies, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection, military or usurped power or a cause solely due to use or occupation by the Department.

1.30 Acts of Parliament and Provisions of Local or Other Authorities

- a) The Contractor shall accept all the responsibilities for and take all the steps and precautions and make all the arrangements required by and necessary to comply with any Act of Parliament and any subsequent and/or related Regulations as far as the execution of the Works and any activity regarding the Works or on the site of the Works by himself, any employee of his, any sub-contractor or person under his control or supervision, or any person within the boundaries of the premises of the Works, are concerned.

In this regard, special consideration shall, inter alia, be given to the Occupational Health and Safety Act, Act 85 of 1993 as amended. The Contractor shall accept his responsibilities in this regard and indemnifies the Department or any of its employees against any claims for compensation whatsoever and against prosecution under any such Act unless negligence on its or their behalf is evident and can be proven.

- b) The Contractor shall, until the date of the termination of the Contract, conform to any binding industrial agreement relating to the Contract and/or Works, the provisions of any to the regulations and by-laws of any Provincial, local or other authority relating to the Contract and shall give all notices required and pay all fees payable to any such authority in respect of the Contract and shall hold the Department free from all loss,

costs damages or expenses caused by his failing to comply with such agreements and regulations.

1.31 Return of Men Employed

The Contractor shall furnish, as and when required by the Engineer, a distribution return of the number of artisans and labourers employed on the Works and/or the site of Works.

1.32 Facilities to other Contractors

The Contractor shall give all facilities necessary and proper to any other Contractor or to Workmen of the Department whose work may adjoin or be connected with site of the Works and, in the event of there being any dispute in this connection between the Contractor and Workmen of the Department it shall be settled by the Engineer whose orders shall be final so far as the Contractor under the Contract is concerned.

1.33 Materials and/or Parts and/or Equipment Removed to remain Property of the Department

Unless the contrary is explicitly stated in the official order, all materials, parts or equipment removed in accordance with the specification, any valid Orders in Writing and this Contract will remain the property of the Department.

All redundant materials and spare parts must be handed over to the representative of the Department at the relative institution and a signature shall be obtained for such redundant materials and spare parts. Note: The Contractor is responsible for all redundant material and spare parts until handed over and a signature is obtained.

1.34 Deviations from Contract Period or Failure to comply with the Conditions of the Contract

Should the Contractor fail to commence the Works or any part or portion thereof at the dates, times, intervals or periods prescribed or to proceed with and complete the Contract in compliance with the preceding Clauses and in the manner therein stated, or if he should fail, refuse or neglect to comply strictly with any of the Conditions of this Contract or any instructions and/or Orders in Writing given in terms of the Contract, then the Engineer shall have the right in his absolute discretion forthwith and from time to time to adopt and exercise all or any one or more of the following courses, either wholly or partly or by way of substitution, succession or variation of the one or more for the other or others of them wholly or partly, viz:-

- a) To allow the Contractor to proceed with the Contract, and to deduct as and for agreed damages, a sum calculated as follows:
 - (i) In the event of the Contractor exceeding the Contract Period, 50 per cent of the Contract Price, multiplied by the fraction by which the period for the completion of the Contract allowed for in the Contract is exceeded by the actual period for the completion of the contract, or
 - (ii) In the event of the Contractor exceeding the scheduled interval(s), 50 per cent of the Contract Price for each service or maintenance activity, multiplied by the fraction by which the scheduled interval between such services or maintenance activities allowed for in the Contract is exceeded by the actual, related interval.
 - (iii) Such sums may be deducted from any sum due or to become due under this or any other Contract heretofore or hereafter existing between the Contractor and the Department or may be recovered in any competent Court of Law.

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- b) To direct the Contractor, in writing on any day named therein, to suspend and discontinue the execution of the Contract, and to withdraw himself and his workmen from the said site or sites and thereupon:-
- (i) To make any Contract or Contracts by calling for tenders or otherwise with any other Contractor or Contractors for the completion of the Works, or any part thereof, at such times and upon such times as to the Engineer shall seem best, or
 - (ii) To provide such number of men or purchase such materials or both provide the men and purchase the materials as to him shall seem fit and proceed with and complete the said Works.
 - (iii) In relation to the foregoing provision (b)(i) and (ii), the Engineer shall charge any sums of money which may be paid or incurred by the Department for completing the said Contract against the Contractor and if such amount shall exceed the amount still to be paid to the Contractor under this Contract, then the Department shall have the right inter alia to recover such excess or any balance thereof from the Contractor by set off or legal proceedings.

1.35 Waiving of protection afforded by Prescription Act to the Contractor

The Contractor relinquishes and abandons any rights, advantage or benefits afforded by the Act on Prescription, Act 68 of 1969, or any similar existing or future Act regarding the prescription of any claim against the Contractor which may originate from the Contract and the Contractor undertakes not to tender the prescription of a relevant claim as defence against any such claim.

1.36 Waiver, Relaxation or Indulgence

No failure, relaxation, or indulgence on the part of the Engineer in exercising any power or right conferred upon him in terms of the Contract shall operate as a waiver of any such power or right, nor shall any single or partial exercise of such power or right preclude any other or future exercise thereof, or the exercise of any other right or power in terms of this Contract.

1.37 Handing over of site(s) of Contract Works at termination of Contract

At the termination of the Contract Period, or shortly thereafter, the Contractor shall make himself or a suitably qualified employee available for handing the site or sites of the Contract over to the Engineer or, in the presence of the Engineer to a newly appointed Contractor, as may be required. Defects related to the Contract or covered by the Conditions of Contract observed during the handing over, shall be the responsibility of the Contractor to rectify without delay.

The decision of the Engineer regarding the responsibility for, and any remedial steps required to rectify or eliminate said defects, shall be final and binding.

Should the Contractor fail to rectify the defects so established in the manner set out by the Engineer, the Engineer may, at his discretion, act according to any one or more of the measures set out in these conditions.

2. SPECIAL CONDITIONS OF TENDER

2.1 Type of Contract

This tender is intended to result in a direct contract between the Department of Public Works and the successful tenderer.

Work called for shall consist of the supply on order only of all materials, labour, tools, equipment, transport etc. for, maintenance work, repairs, replacement and/or erection of the items and equipment identified in the various sections.

2.2 Time for completion

This tender calls for the continuous availability for repairs and servicing and preparation of steam boilers at the institutions as specified, for the period indicated.

2.3 Payment for work completed

2.3.1 Payments will be made on a regular monthly basis after receipt of an official invoice on or before the 7th day of each month, following the month for which payments are claimed.

Claims received after the 7th day of the month will be carried to the next month for payment.

2.3.2 Claims for payment shall be submitted on a monthly basis and shall consist of the following:

- (i) Description of work undertaken
- (ii) Official order (work order signed by the Representative of the Department)
- (iii) Number of hours worked supported by signed time sheets.
- (iv) Suppliers invoices for materials used.
- (v) Distance travelled in km for every category vehicle over and above that for any work included for in this contract.
- (vi) Acceptance certificate signed by the Representative of the Department.

In the event of the attendance register not being signed and completed, deductions on a pro-rata basis from the monthly progress claims will be made.

2.3.3 Tenderers must clearly state the rates to be charged in the spaces provided, and must complete the Price Schedule.

2.3.4 The Department reserves the right to add to or omit any plant to or from this contract.

2.4 Financial reports on tenderers:

The tenderer must, within 7 days from the date on which he was requested to do so, submit a full report on his financial standing from his banker.

2.5 Response Time and Work Progress

The Contractor shall at all times in the execution of his contract ensure that maintenance and repairs of equipment is done in such a manner as to disrupt services to a minimum, and to adhere to the Department's requirements and site instructions within the stipulated time and time spans allocated.

Note: Response Time

The Contractor shall commence with repair work within 24 hours after receipt of an instruction and immediately in the case of emergency repairs in accordance with Clause 1.20 of this contract.

2.6 Standard of maintenance and repair work

All maintenance and repair work will be executed in a workmanlike manner to the satisfaction of the Engineer. The Engineer reserves the right to execute such repairs and replacements with his own staff or by any other means.

The Contractor will supervise his own workmen, provide his own tools, and where materials are used, this shall comply with the current SABS Specifications, except where otherwise requested by the Engineer. The completed repair work and maintenance shall comply with:

- a) The Occupational Health and Safety Act's of 1993 as amended and the regulations pertaining to the said Act and any SABS, BS or DIN specifications for materials and installations, which may be applicable.
- b) The SABS Code of Practice for Wiring of Premises SABS 0142-1982, as amended.
- c) Government Provincial and Local Authorities Ordinances, Regulations, By-laws, Rules and other legal instructions.
- d) Standard Specifications of the Department.

In the event of failure of the Contractor to maintain and/ or repair any installation to the satisfaction of the Engineer, the latter reserves the right to make any arrangements necessary, or expedient in regard to said maintenance and/ or repairs to any installation appearing in the schedule attached hereto and the Contractor shall be liable to the Department for payment of any damage which the Department may suffer as a result of the Contractor's default or neglect.

2.7 Labour Rates

Labour rates asked for in the price schedule shall make provision for supervisors, operators and helpers and shall include all insurance, supervision, holiday allowances, incentive bonuses, profit, financing, insurance and guarantee cost, overheads, etc.

Time sheets, signed by the Representative of the Department, shall accompany all claims from the contractor for payment.

2.8 Commencement of work and official order

No Work shall be commenced without the approval of the representative of the Engineer, nor without an official order. When quotations are invited for services, no extra work requested by the Department shall be performed unless covered by a written instruction. Accounts submitted for extra work performed will not be entertained unless accompanied by a copy of such written instruction.

2.9 Quality of supervision

All supervision shall be carried out and the facility be kept in such a condition that the requirements of the Occupational Health and Safety Act no. 85 of 1993 and regulations as amended, is satisfied in all respects. A high quality of cleanliness is required.

Any damages which may occur as a result of poor supervision shall be to the account of the Contractor. The Contractor will also be held responsible for the safety of all persons inside building.

The Contractor will be responsible and answerable for any legal proceedings resulting from non-compliance by him or his staff to the Act within the boundaries of the facility or such activities associated with the operation of the facility.

2.10 Accommodation and storage

The Contractor shall make all arrangements for accommodation of his workmen and for the safe storage of his tools, material and vehicles on site. Ablution facilities only will be provided.

All plant and materials stored on site must be suitably protected against deterioration through any cause whatsoever, including damage or loss by theft or otherwise. The Contractor shall remain fully responsible for all such plant and materials.

2.11 Acceptance of tenders

The Department reserves the right to accept or reject any or all tenders submitted.

2.12 Distribution of work

Where more than one tender is accepted, the work will be distributed amongst the successful Tenderers at the discretion of the Department. Successful Tenderers shall therefore only be responsible for the equipment and institutions indicated on their letter of acceptance from the Department, unless otherwise notified in writing.

All Institutions have resident maintenance personnel, and it will be left to the discretion of the Department when and what work covered by this Contract, will be carried out by the successful Tenderer/s.

2.13 Transport and subsistence rates

Transport rates shall include travelling time and no separate claims for travelling time will be entertained. Subsistence shall not be priced or paid separately and shall be included for in the labour rates as per this specification.

All rates will be calculated from a central point in Mpumalanga Province. Contractors must indicate this central point.

2.14 Labour rates and qualifications

Tenderers shall tender for an hourly labour rate for skilled artisan man-hours required to perform the work and the charge per man-hour shall be taken to cover all ancillary unskilled labour, use of workshop facilities, tools and all overhead and indirect expenses, subsistence and profit.

The Department shall have the right to ask for the submittance of the qualifications of an artisan employed by the Contractor in order to establish if the artisan is duly qualified.

The Contractor shall not make use of any Learner Artisan or Learner Technician labour unless under the supervision of a duly qualified Artisan.

2.15 Mark-up on materials and spare parts

A maximum mark-up of 20% on the suppliers nett invoiced value of materials and spare parts shall be allowed by the Department. This mark-up shall include all profits, overheads, handling fees, guarantee, delivery to site etc. This figure is not fixed and Tenderers wishing to submit a more competitive mark-up may do so if they wish to improve their tender position.

2.16 Logbooks

All WORK carried out shall be fully detailed in the applicable logbook supplied by the Department.

2.17 Accounts

2.17.1 The following information shall be reflected on all invoices:
(Refer also to clause 2.3)

- a) Name of institution with code number and region number.
- b) Official order number.
- c) Total number of hours worked and hourly rate.
- d) Detailed description of plant serviced/ repaired.
- e) Distance travelled in km.
- f) Detailed list of materials used.
- g) Daily summary of work performed and hours booked, in detail.
- h) Detailed list of extras claimed to which must be attached a copy of written instructions.
- i) Invoices/ quotes from suppliers.

2.17.2 Upon satisfactory completion of the work the Contractor shall submit his invoice in duplicate to the Representative of the Department at the specified delivery inspection.

2.18 Non-compliance

Failure to comply with any of the aforementioned clauses may invalidate the Tender or cause cancellation of the Contract.

2.19 Training

Tenderer/s shall indicate in the schedule of information whether they are prepared to assist the Department during the contract period with (a) on-site training of pupil artisans, and (b) upon mutual agreement, specific training at the Contractors workshop.

Should such training be called for the details shall be negotiated with the Contractor to obtain mutually acceptable training schedules, supervision, reporting, discipline etc.

2.20 Lubricants and cleaning materials

All cleaning materials and lubricants will form part of this contract and will be supplied by the Contractor at his expense.

2.21 Tools and workmanship

The Contractor must provide all the tools required for the proper execution of the work at his own expense. He will be responsible for all tools and equipment which is required by the Inspector of Machinery when inspections are carried out.

2.22 Reporting

It is required of the Contractor to report to the representative of the Engineer on site before commencing with any work to ensure proper liaison and supervision of all work carried out.

2.23 Instructions

It will be noted that NO instructions from any personnel other than the representative of the Engineer : Department of Public Works should be carried out.

2.24 Faulty workmanship

All labour and transport costs, including those in connection with the breakdowns due to negligent and/or inadequate servicing on the part of the Contractor, or faulty and defective equipment and materials etc., supplied by the Contractor shall be for the expense of the Contractor.

2.25 Functioning

The Contractor shall not change or alter the functioning or design of any piece of equipment or part thereof, without the prior written consent of the Engineer.

2.26 Trained Staff

Servicing and repair work shall at all times be done by fully trained staff, and under no circumstances may untrained workers be left on site to do any minor work without proper supervision of trained staff.

The Contractor shall use competent trained staff directly employed and supervised by him and shall take all responsible care to repair and maintain the installations. The Department reserves the right to inspect the tenderer's premises for plant, equipment and general good management before tenders are awarded.

NOTE :

All technician's/ artisan's certificates of qualification and apprenticeship contracts shall be submitted with the tender for evaluation by this Department. A Statement of Experience gained and on what type of equipment shall be submitted with the tender for each artisan/ technician employed. By not complying with this clause, the tender may not be taken in consideration and may lead to disqualification.

2.27 Site Visit

It is essential that Tenderers visit the site, so as to acquaint themselves with the prevailing conditions and to check on the units to be serviced. Inspection of the plants for the purpose of tendering is to be arranged with the Engineer : Department of Public Works, Roads & Transport, Nelspruit.

No claims stemming from the non-compliance with this requirement will be entertained.

2.28 Operation

Boilers are generally in operation 24 hours per day, 7 days a week.

2.29 Safety

It will be the responsibility of the Contractor to keep the installations safe and in good working order, and all plant rooms must be kept clean and tidy at all times. All work on plant shall conform to the requirements of the Occupational Health and Safety Act, 1993, as amended.

2.30 Corrosion

The Contractor will be responsible to prevent corrosion on all components of the serviced plant. Paint colours or combinations of colours applied to the plant shall be to the standards laid down by the Engineer which are available on request and will generally be the same as the original coat of paint.

2.31 Log books

It will be the Contractor's responsibility to enter into the log book (which will be supplied by the Department) all work carried out on any part of the plant whether it be regular servicing, repairs, breakdowns or even routine inspection of the plant.

2.32 Guarantee

The Contractor shall guarantee all repair work done for a period of three months, against poor workmanship.

2.33 Standby

The Contractor shall be required to provide a 24 hour, 365 day per year standby service so as to attend immediately to any emergency breakdowns that may occur.

2.34 Qualified Staff

The Contractor shall have qualified staff on site at all times when servicing and repair work is carried out.

2.35 Materials and spare parts

The Department reserves the right to either purchase materials and spare parts for use by and to supply it to the Contractor or alternatively to accept the materials and spare parts at prices submitted by the Contractor as per this agreement, whichever proves to be the most economical for the Department.

2.36 Consumables

All consumables required for the maintenance and servicing of the works shall be supplied by the Contractor. This includes all tools, testing equipment, transport, labour and scaffold as required. Under no circumstances are the Department's tools, equipment or materials to be utilised.

Tenderers are to base their tenders on the information listed in the schedules of equipment and additional information established during his site visit. It is the responsibility of the Tenderer to ensure that the quantities and technical information on which his tender is based are correct.

2.37 Invoices/Quotes from suppliers

Invoices or quotation forms from suppliers for materials shall accompany all claims from the contractor for payment. Where required by the Engineer three quotations for materials or a price of equipment must be submitted prior to the work being undertaken, except when purchases are made from sole agents or suppliers.

2.38 Official Order Form

- a) An official order for repairs shall be issued to the Contractor.
- b) Instructions for repairs may only be issued to the Contractors by the Engineer of appointed officials of the Department. For each repair, details regarding the defects shall be given to the Contractor in writing. Special arrangements are applicable for emergency repairs.
- c) No payments shall be made for work executed without the necessary written authority.
- d) Payments can be delayed if order numbers do not appear on invoices submitted for payment.

TECHNICAL SPECIFICATION

1.0 SITE AND SITE CONDITIONS

The site for this contract is the existing boiler houses in Mpumalanga Province.

Site conditions are as follows:

* Electricity supply: 380/220 Volt, AC, 50 Hz

2.0 SCOPE OF CONTRACT FOR BOILER PREP

2.1 IDENTIFICATION OF BOILER:

The boilers of which the particulars are given in the price schedule are to be internally/externally inspected and hydraulically tested. All this must be verified by a registered competent person.

In terms of vessels under pressure: Regulation 11. The following particulars must always be noted. Internal and Fittings, External and Hydraulic, Identification of Boiler, Official No, Type of Boiler, Make, Place/Site of erection:

2.2 DESCRIPTION OF WORK TO BE PERFORMED FOR BOILER PREP:

- 2.3 Isolate and lock intermediate valve on steam range of the specified boiler in collaboration with the local workshop foreman on site.
- 2.4 Drain boiler through blowdown valve. Remove chain grate or underfeed stoker (whichever is applicable). Remove manholes, headholes and mudholes. Remove all the fittings on the boiler. Expose all welded or riveted seams and short stay bars. Remove feedwater dispersion pipes and anti-priming device. If required and indicated as such by the Chief Directorate: Works, all brickwork and arches will have to be removed.
- 2.5 The Boiler is to be cleaned to a state in which it is free of all scale, both internally and externally.
- 2.6 All boiler fittings are to be cleaned, overhauled, tested and certified to be suitable for the intended application
- 2.7 All removed parts and components pertaining to the boiler are to be reassembled and fitted to the boiler, the boiler filled with water for hydraulic test.
- 2.8 Removed sections of lagging are to be remounted, brickwork and arches having been broken down, are to be rebuilt, the stoker, if fitted, is to be reinstalled.

3.0 **GENERAL REQUIREMENTS**

3.1 FITTINGS:

All the fittings are to be stripped and cleaned and shall be free of all scale and rust (internally and externally).

All old packings, gland packings are to be removed and areas shall be cleaned.

All valves shall be visually checked for possible damage and defects that will cause valves to be unsafe for further use.

Check and clean all studs/threaded holes/ bolts and nuts for possible damage or defects.

All the valve seats are to be re-seated by lapping ensuring proper and drop tight seating under pressure.

All the fittings are to be dismantled, the parts being displayed on the bench for inspection purposes on the day specified for the internal inspection.

After all the fittings have been assembled and before being mounted on the boiler, these shall be hydraulically tested to 1.25 x the authorised working pressure, using a handpump.

Any major repairs/replacement may only be carried out after written instruction by the Chief Directorate: Works has been issued.

3.2 WATERSIDE

All scale deposit in/on tubes is to be removed from accessible areas by means of wire brushing.

If a rattler type descaler is to be used it shall be done under full time supervision of the successful contractor to prevent any damage through improper use of such equipment.

Should any damage occur through the incorrect use or the failure of such equipment the successful tenderer/contractor shall be responsible to effect the necessary repair to the satisfaction of the Chief Directorate: Works at his own cost in the most suitable way, which is to be determined by the Engineer.

3.3 EXTERNAL AND FIRESIDE

3.4 SHELL, FURNACE, FIREBOX DRUM, PLATING MUDHOLES AND MANHOLES

All accessible areas are to be cleaned and shall be free of all scale and rust by means of wire brushing and scraping without damaging or removal of any of the underlying metal.

All seating surfaces of all mudholes and manholes are to be cleaned and shall be free of old packing/gasket material. Care shall be taken not to damage the underlying surfaces.

Threaded section of draw bolts on all mudholes and manholes are to be properly cleaned

3.6 WELDED SEAMS

All accessible areas of welded seams are to be cleaned and shall be free of scale. This shall be accomplished by means of wire brushing and scraping without deforming the surface or the removal of any of the underlying metal.

3.7 TUBE PLATES, TUBE PROJECTIONS, LIGAMENTS AND HEADERS

All accessible areas are to be cleaned by means of wire brushing and scraping without damaging or the removal of any of the underlying metal. It shall be free of all scale and rust.

Special care shall be taken to ensure removal of all scale build-up on and around tube projection where tubes are expanded onto the tubeplate and between ligaments.

Special care to be taken to ensure removal of all scale build up on and around tube projections where expanded onto the tube plate and between the ligaments.

3.8 GUSSETS AND STAYBARS

All accessible areas are to be cleaned by means of wire brushing and scraping without damaging or the removal of any of the underlying metal. It shall be free of all scale and rust.

All weep / tell-tale holes on stay-bars and compensating rings are to be carefully cleaned and freed of scale and grit.

No blockage shall be caused during this process.

3.9 MOUNTING PADS, STANDPIPES, STUDS AND THREADED STUD HOLES

All mounting pad faces are to be cleaned and shall be free of old gasket and packing material. Cleaning shall be by means of scraping and wire brushing without the damaging or removal of any of the underlying metal.

All threaded sections of studs and stud holes are to be cleaned and shall be free of rust and foreign matter without causing any damage to the threads.

All standpipes are to be cleaned and shall be internally free of all scale and rust. Cleaning shall be by means of wire brushing without the damaging or removal of any of the underlying metal.

All areas where mounting pads, standpipes and compensating rings etc. are welded to the boiler are to be exposed and cleaned and shall be free of scale and rust.

3.10 HYDRAULIC TEST AND EXTERNAL INSPECTION

All cleaning material and foreign matter shall be removed from inside the boiler.

Feedwater dispersion pipe and anti-priming device shall be reinstalled.

Remount all boiler fittings with suitable new gaskets and packings where required shall be reinstalled. All mudholes and manholes shall be fitted using new gaskets as specified.

The boiler shall be filled with cold raw water by means of a hosepipe until all air is removed from the highest point or air purge valve where provided.

The pressure in the boiler must be raised slowly by means of a hand pump to the authorised working pressure + 10 % to check for possible leaks on fittings and joints, and repairing of such faults, when they occur.

Under no circumstances must the boiler be left under pressure for any extended period of time.

On the day of the specified inspection the pressure in the boiler is to be raised slowly to the authorised working pressure for 15 minutes before the time of the scheduled inspection.

3.11 PAINTING

After the successful completion of the hydraulic test and external inspection all the welded/riveted seams and areas normally covered by brickwork and arches (if removed) must be treated with 3 coats of *Apexior No 1* paint.

3.12 LAGGING

Lagging removed from all welded/riveted seams and attachment welds are to be reinstalled in workmanlike manner, leaving a neat well finished installation.

3.13 CHAINGRATE/UNDERFEED STOKER

The stoker, being underfeed or chain grate is to be reinstalled after the brickwork and further required preparation has been completed.

The site must be left clean and tidy after the completion of the contract.

3.14 SPECIAL NOTE

Tenderers are advised to visit the site before tendering so as to acquaint themselves with prevailing conditions. Site visitation shall be arranged with the Regional Representative of the Chief Directorate:

4.0 DETAILED TECHNICAL REQUIREMENTS

- 4.1 Any repairs to the boiler that may become necessary during this contract will only be carried out on written instruction of the Chief Directorate: Works. After receipt of such and instruction, a written repair procedure shall be obtained from an approved inspection authority. Proof of the required and appropriate S.A.B.S. Accreditation shall accompany such submissions. Any such repair work carried out will be at extra cost to the Chief Directorate: Works.
- 4.2 Should scale build up on the water side be excessive, chemical cleaning may be considered. Only an approved water treatment contractor on written instruction of the Chief Directorate: Works at extra cost to the Chief Directorate: Works may affect this type of cleaning.
- 5.3 Sand blasting and needle descaling to remove excessive fire scale or rust on the outer shell will only be carried out on written approval by the Chief Directorate : Works at extra cost to the Chief Directorate: Works. Care shall be taken not to damage the underlying metal base or to remove as little of the underlying metal as possible.
- 5.4 Chipping to remove any scale on any area of the Boiler is not permitted and will not be tolerated.
- 5.5 Any welding on any part of the boiler will only be allowed on written approval of an approved and fully accredited inspection authority.
- Only an approved coded welder with a valid certificate may do such welds and an approved repair and welding procedure, which is to be submitted prior to any welding shall be followed.
- 5.6 Should the removal of all external lagging become necessary after adjudication of this contract, this will be at extra cost to the Chief Directorate: Works.
- 5.7 Any re-lagging of the boiler will only be permitted after thorough cleaning and painting has been completed.
- 5.8 Any re-lagging of the boiler shall be carried out by a reputable lagging company approved by the Chief Directorate: Works.
- 5.9 Filling of the boiler must be with cold raw water and utmost care must be taken to prevent overfilling and any spilling.
- Any damage occurring in this respect, necessitating i.e. removal and replacing of lagging will be for the account of the successful tenderer/contractor.
- 5.10 Pressurising the boiler shall be done by using a suitable hand pump. Any other method is not permitted. Should the boiler be over pressurised through any means whatsoever and any damage sustained through this occurrence, the successful tenderer / contractor shall be responsible for payment for such repairs.
- 5.11 The painting of areas specified and rebuilding of brickwork and arches are part of this contract.
- 5.12 Wire brushing of threads on brass fittings is prohibited.
- 5.13 The use of an approved inspection authority, should it be required will be for the successful tenderer / contractor's account as well as the appointed *competent person* under the OHS Act.
- 5.14 Time is of the essence for this contract and the contractor is to ensure that all work is completed on the scheduled dates.
- 5.15 Equipment, Tools and Material necessary to carry out the work as specified herein must be supplied by the contractor.
- 5.16 Portable lights used to be in compliance with Electrical Machinery Regulations, R10, promulgated under the Occupational Health and Safety Act, 1993.

- 5.17 The successful tenderer / contractor must at all times ensure that access to operate and maintain any of the other boiler/s in the Boiler House is not obstructed or impeded in any way.
- 5.18 Storage of equipment and material shall solely and fully be the responsibility of the successful tenderer / contractor. No responsibility or liability for any damage or loss of equipment of the successful tenderer / contractor stored on site will be accepted by the Chief Directorate: Works.
- 5.19 All work carried out within this contract will only be permitted during normal working hours, unless prior arrangement was made.

6.0 GENERAL NOTES TO TENDERER

- (a) All work executed under this contract shall comply fully with the regulations of the Occupational Health and Safety Act, Act Number 85 of 1993 and all amendments thereof, as well as any Regulations and Standards, promulgated under said Act and which, are in force during the time between handing over of the site to the successful tenderer/contractor and the handing over of the completed contract to the Chief Directorate: Works.
- (b) The materials and fittings of this boiler are to the relevant current British Standard Specification and to the requirements of approved Inspection Authorities. All threads on pipes, studs, etc., are to British Standards. This shall be maintained by the contractor.
- (c) The general Technical Specification for Electrical installations, Issued (ii), dated March 1985, is a part of this Specification.
- (d) The contractor shall furthermore work in close collaboration with the Mechanical Engineer of the Chief Directorate: Works to ensure satisfactory progress of the work.
- (e) No second hand equipment of any description may be offered for the use in this contract.
- (f) All schedules which accompany the tender notice are an integral part of the tender and shall be duly completed in every detail, failing which, the tender in question may be rendered ineligible for consideration.
- (g) A load test must be done after the Preparation to verify all controls are in a working condition. The Departmental inspector will supervise and inspect the inspection done by the appointed competent person.
- (h) The supply of new valves are subjected to the approval of the appointed Public Works, Roads & Transport inspector and a relevant test certificate.
- (i) All Mobreys and safety valves will be set and tested by contractor as part of this tender. Safety valves should also be locked as stipules.

TENDER DEVIATIONS

This specification has preference over any additional documentation submitted by a Tenderer. Deviations from this specification will only be considered if indicated as such in this document and has been proven to be suitable for this particular application.

If the Tenderer wishes to clarify certain aspects of his offer, this may be done in an additional document which, will be subject to the aforementioned preference.

These items will be subject to the written approval of the Chief Directorate: Works.

6.1 BUILDING WORK (FIRE BRICK WORK)

All builders work required in the boiler under this tender is part of this contract and tenderers must make provision therefore under the tender price.

6.2 ELECTRICAL

Electrical work required under this contract shall be in accordance with the latest issue of the "General Technical Specification for Electrical Installations of the Chief Directorate: Works, Issue II" dated March 1985 with the latest amendments.

Copies are obtainable from the Chief Directorate: Works, Electrical Engineer, Private Bag X11310, NELSPRUIT, 1200. All specialized equipment must be serviced or replaced by the manufacturer or certified supplier.

Note: All coupling of electrical equipment after inspection is included in this tender.

6.3 LAGGING (IF REQUIRED)

The entire surface of the Boiler shall be thoroughly cleaned of all scale, oil, grease, rust, etc., by means of sandblasting, (see section 6.00 paragraph 3) without damaging the underlying surface or the excessive or unnecessary removal of underlying metal.

IMPORTANT:

The entire outer surface of the boiler shall then be painted with three coats of *Apexior No.1* paint.

A 50 mm thick 120 - 140 kg/m³ density mattress of glasswool or insulmat shall be secured to the boiler shell with sufficient galvanised steel strapping. Thermal conductivity of insulation to be approximately 0,045 W/m. The shell must then be enclosed by means of 0,9mm thick grade 430B stainless steel sheet metal. All other surfaces such as the fire box must be lagged with a 40 mm thick composition layer trowelled to a smooth finish and after allowing sufficient time for drying be painted with two coats of heat resistant aluminium paint. Openings between lagging and fittings must be sealed off by means of a glass fibre rope and a non-hardening silicone sealer, see detail on drawing ME 03 04 02/A.

To enable the Machinery Inspector to examine welded joints, cover strips, secured by means of stainless steel self tapping screws, shall be installed at joints.

Name plate, boiler inspector plate, etc., shall be left unlagged.

6.4 ROOF FLASHING

Roof flashing around safety valves vent pipe must be made good after securing vent pipe subsequent to a successful inspection/test.

8.00 **SCHEDULE OF INFORMATION**

(To be filled in by Tenderer)

NB: All Schedules which accompany the tender notice form an integral part of it and must be completed in every detail. Failure to do this may render a tender ineligible for consideration.

Under no circumstances will the following types of statements be accepted as answers:

"See attached pamphlets"

"Refer to catalogue"

"Data to follow", etc.

SPECIAL NOTE TO TENDERERS

Whenever an alternative, or equal make or type of equipment or service is offered at the tendering stage, the Director shall, on the acceptance of the tender, inform the Contractor in writing as to make and/or type of equipment or service accepted.

Note, however, that the use of the words "or equal" is to be discouraged and could lead to the disqualification of the tender.

8.01 LAGGING

- a) Thickness of lagging
- b) Density of lagging
- c) Conductivity of lagging

8.02 STAINLESS STEEL PLATE COVERING

- a) Thickness of stainless steel plating
- b) Grade of stainless steel plating
- c) Finish of stainless steel plating

8.03 OPENINGS AROUND FITTINGS

- a) Are openings sealed off as per drawing ME 03 04 02/A?
- b) Type and make of non-hardening silicone sealer
- c) Type of self tapping screws

8.04 Name of competent person

8.05 Name of sub-contractor to be used

If equipment is guaranteed tenderer must submit a complete and clear statement of all guarantees offered.

.....
.....

I hereby certify that the foregoing replies are true and correct to the best of my knowledge and belief and that the replies are in respect of the following goods tendered by me under this tender:

Tender No: Item No :

DESCRIPTION:

.....
TENDERER'S SIGNATURE

DATE

ANNEXURE A

SAMPLE JOB CARD

Tender No. : _____

JOB CARD		INSTITUTE :		Job Card Serial No.	
Order No. :		REGION :			
		DATE :		CLASSIFICATION	
PLANT DESCRIPTION :				REPAIRS	
JOB REQUEST :		REQUESTED BY :		APPROVED BY :	SPECIAL REQUEST
Please carry out the following work:				EMERGENCY CALL OUT	
				CALL OUT DETAIL :	
				DATE	
				TIME NOTIFIED	
				TIME ARRIVED	
JOB REPORT		DETAILS OF WORK DONE			
DATE:		TIME ON :		TIME OFF :	
				TECHNICIAN/ ARTISAN :	
LABOUR, MATERIAL USED AND COSTING					
1) Material included in Tender Price :					
Artisan	hours worked	Rate			
		R c			
2) Material used :					
Quantity	Nett Price	Mark-up	Description (Schedule Ref. And Cat. No.)	R c	
			TOTAL		
			SUB-TOTAL		
			VAT		
			TOTAL		
WORK COMPLETED (Contractor)			Work accepted on behalf of Chief Directorate : Works		
Signature :			Signature :		
Date :			Date :		
Time :			Time :		

ANNEXURE B
SAMPLE
REPAIR WORK ACCEPTANCE CERTIFICATE

ORDER No.

INSTITUTION	:	
CODE	:	
REGION	:	
CONTRACTOR	:	
CONTACT PERSON	:	

Description of Works/ Part of Works Completed : _____		
Delivery Date :	Rectification Date :	Completion Date :

This is to certify that first/ final delivery of the above mentioned works was taken on the date as indicated.

Name : _____
Position : _____
Signature : _____

Representative of Department of Public Works, Roads & Transport

Regional Office : _____
Date : _____

Issue of this certificate is noted and agreed to on behalf of the Contractor

Contractor's Representative

SIGNATURE

DATE