

**SUPPLY AND DELIVER OF PRESSURE GAUGES AND THERMOCOUPLES ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF THIRTY SIX MONTHS FOR DUVHA POWER STATION**

CONTRACT NO. \_\_\_\_\_



**NEC3 Supply Contract (SC3)**

**Between ESKOM HOLDINGS SOC LIMITED  
(Reg No. 2002/015527/06)**

**and  
(Reg No. \_\_\_\_\_ )**

**for  
SUPPLY AND DELIVER OF PRESSURE GAUGES AND  
THERMOCOUPLES ON AN AS AND WHEN REQUIRED  
BASIS FOR A PERIOD OF THIRTY SIX MONTHS FOR  
DUVHA POWER STATION**

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**CONTRACT No.**

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PART C1: AGREEMENTS & CONTRACT DATA

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## C1.1 Form of Offer & Acceptance

### Offer

The Purchaser, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of:

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The tenderer, identified in the Offer signature block, has

<i>either</i>	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.
<i>or</i>	examined the draft contract as listed in the Acceptance section and agreed to provide this Offer.

By the representative of the tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance the tenderer offers to perform all of the obligations and liabilities of the *Supplier* 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.

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	The offered total of the Prices exclusive of VAT is	<b>N/A - N/A -Price will be determined via E-Auction</b>
	Value Added Tax @ 15% is	<b>N/A - N/A -Price will be determined via E-Auction</b>
	The offered total of the amount due inclusive of VAT is <sup>1</sup>	<b>N/A - N/A -Price will be determined via E-Auction</b>
	(in words)	

This Offer may be accepted by the Purchaser by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the tenderer before the end of the period of validity stated in the Tender Data, or other period as agreed, whereupon the tenderer becomes the party named as the *Supplier* in the *conditions of contract* identified in the Contract Data.

Signature(s)

Name(s)

Capacity

**For the tenderer:**

.....  
(Insert name and address of organisation)

Name & signature of witness

Date

.....  
[Signature box]

**Acceptance**

By signing this part of this Form of Offer and Acceptance, the Purchaser identified below accepts the tenderer's Offer. In consideration thereof, the Purchaser shall pay the Supplier 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 Purchaser 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 Form of Offer and Acceptance)
- Part C2      Pricing Data
- Part C3      Scope of Work: Goods Information including Supply Requirements

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the Purchaser during this process of offer and acceptance, are contained in the Schedule of Deviations attached

<sup>1</sup> This total is required by the *Purchaser* for budgeting purposes only. Actual amounts due will be assessed in terms of the *conditions of contract*.

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to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

The tenderer shall within two weeks of receiving a completed copy of this agreement, including the Schedule of Deviations (if any), contact the Purchaser's agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the *conditions of contract* identified in the Contract Data at, or just after, the date this agreement comes into effect. 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).

Signature(s)

Name(s)

Capacity

for the  
Purchaser

.....  
.....  
.....  
**Eskom Holdings SOC Ltd, Megawatt Park, Maxwell Drive, Sandton, Johannesburg,  
2199**

.....  
*(Insert name and address of organisation)*

Name &  
signature of  
witness

Date

.....  
.....  
Note: If a tenderer wishes to submit alternative tenders, use another copy of this Form of Offer and Acceptance.

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**Schedule of Deviations to be completed by the *Purchaser* prior to contract award**

Note:

1. This part of the Offer & Acceptance would not be required if the contract has been developed by negotiation between the Parties and is not the result of a process of competitive tendering.
2. The extent of deviations from the tender documents issued by the Purchaser prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
3. A tenderer's covering letter must not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid be the subject of agreement reached during the process of Offer and Acceptance, the outcome of such agreement shall be recorded here and the final draft of the contract documents shall be revised to incorporate the effect of it.

No.	Subject	Details
1	[•]	[•]
2	[•]	[•]
3	[•]	[•]
4	[•]	[•]
5	[•]	[•]
6	[•]	[•]
7	[•]	[•]

By the duly authorised representatives signing this Schedule of Deviations below, the Purchaser and the tenderer agree to and accept this Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and any addenda thereto 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 Purchaser 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 Form shall have any meaning or effect in the contract between the parties arising from this Agreement.

**For the tenderer:**

**For the Purchaser**

Signature

Name

Capacity

On behalf of

*(Insert name and address of organisation)*

**Eskom Holdings SOC Ltd, Megawatt Park, Maxwell Drive, Sandton, Johannesburg, 2199**

Name & signature of witness

Date

## C1.2 SC3 Contract Data

### Part one - Data provided by the *Purchaser*

Completion of this data in full, according to the Options chosen, is essential to create a complete contract.

Clause	Statement	Data
1	<b>General</b>	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	<p><b>X1: Price adjustment for inflation</b></p> <p><b>X2: Changes in the law</b></p> <p><b>X7: Delay damages</b></p> <p><b>Z: <i>Additional conditions of contract</i></b></p>
	of the NEC3 Supply Contract (April 2013)	
10.1	The <i>Purchaser</i> is (name):	<b>Eskom Holdings SOC Limited (Reg No: 2002/015527/06), a juristic person incorporated in terms of the company laws of the Republic of South Africa</b>
	Address	<b>Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg</b>
	Tel No.	<b>+2713 690 0525</b>
	Fax No.	<b>+2786 539 0050</b>
10.1	The <i>Supply Manager</i> is (name):	<b>Vusi Jele</b>
	Address	<b>Duvha Power Station PO Box 2199 Witbank 1035</b>
	Tel	<b>+27 13 690 0164</b>
	Fax	
	e-mail	<b>JeleJV@eskom.co.za</b>
11.2(13)	The <i>goods</i> are	<b>Supply and Delivery of Pressure Gauges and Thermocouples on an as and when required basis for a period of thirty six (36) months for Duvha Power Station</b>
11.2(13)	The <i>services</i> are	<b>Supply and Delivery of Pressure Gauges and</b>

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**Thermocouples on an as and when required basis for a period of thirty six (36) months for Duvha Powe Station**

11.2(14)	The following matters will be included in the Risk Register	<ol style="list-style-type: none"> <li>1. Delays due to failed quality tests.</li> <li>2. Delays due to civil unrests</li> </ol>				
11.2(15)	The Goods Information is in	<b>Part 3: Scope of Work and all documents and drawings to which it makes reference.</b>				
11.2(15)	The Supply Requirements as part of the Goods Information is in	<b>Part 3: Scope of work</b>				
12.2	The <i>law of the contract</i> is the law of	<b>the Republic of South Africa</b>				
13.1	The <i>language of this contract</i> is	<b>English</b>				
13.3	The <i>period for reply</i> is	<b>Three working days</b>				
<b>2</b>	<b>The Supplier's main responsibilities</b>	Data required by this section of the core clauses is provided by the <i>Supplier</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.				
<b>3</b>	<b>Time</b>					
30.1	The <i>starting date</i> is.	<b>01 April 2024 of as soon as possible thereafter</b>				
30.1	The <i>delivery date</i> of the <i>goods and services</i> is:	<table border="1"> <thead> <tr> <th><i>goods and services</i></th> <th><i>delivery date</i></th> </tr> </thead> <tbody> <tr> <td>1 Supply and delivery of Pressure Gauges and Thermocouples on an as and when required basis for a period of thirty six (36) months for Duvha power station</td> <td>As and when required</td> </tr> </tbody> </table>	<i>goods and services</i>	<i>delivery date</i>	1 Supply and delivery of Pressure Gauges and Thermocouples on an as and when required basis for a period of thirty six (36) months for Duvha power station	As and when required
<i>goods and services</i>	<i>delivery date</i>					
1 Supply and delivery of Pressure Gauges and Thermocouples on an as and when required basis for a period of thirty six (36) months for Duvha power station	As and when required					
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	<b>Delivery schedule to be submitted one week after order placement</b>				
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	<b>Five working days following the accepted revision to the original program.</b>				
<b>4</b>	<b>Testing and defects</b>					
42	The <i>defects date</i> is	<b>One (1) week following installation and commissioning on site.</b>				
43.2	The <i>defect correction period</i> is	<b>Two (2) weeks (locally, SA)</b>				
	except that the <i>defect correction period</i> for Foreign repairs	<b>Four (4) weeks</b>				
42.2	The <i>defects access period</i> is	<b>Two(2) working days</b>				
	except that the <i>defect access period</i> for Foreign repairs	<b>Foreign repairs are ten (10) days.</b>				

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<b>5</b>	<b>Payment</b>	
50.1	The <i>assessment interval</i> is	<b>There will be continuous assessments upon safe delivery of materials to site and having met all the required quality standards and signed off.</b>
51.1	The <i>currency of this contract</i> is the	<b>South African Rands</b>
51.2	The period within which payments are made is	<b>Four (4) weeks after invoice received</b>
51.4	The <i>interest rate</i> is	<p><b>(i) Zero percent above the publicly quoted prime rate of interest (calculated on a 365 day year) charged from time to time by the Standard Bank of South Africa (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands and</b></p> <p><b>(ii) The LIBOR rate applicable at the time for amounts due in other currencies. LIBOR is the 6 month London Interbank Offered Rate quoted under the caption “Money Rates” in The Wall Street Journal for the applicable currency or if no rate is quoted for the currency in question then the rate for United States Dollars, and if no such rate appears in The Wall Street Journal then the rate as quoted by the Reuters Monitor Money Rates Service (or such service as may replace the Reuters Monitor Money Rates Service) on the due date for the payment in question, adjusted <i>mutatis mutandis</i> every 6 months thereafter and as certified, in the event of any dispute, by any manager employed in the foreign exchange department of The Standard Bank of South Africa Limited, whose appointment it shall not be necessary to prove.</b></p>
<b>6</b>	<b>Compensation events</b>	<b>There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.</b>
<b>7</b>	<b>Title</b>	<b>There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.</b>
<b>8</b>	<b>Risks, liabilities, indemnities and insurance</b>	
80.1	These are additional <i>Purchaser’s</i> risks	<b>Damage of goods on transfer of ownership</b>
84.1	The <i>Purchaser</i> provides these insurances from the Insurance Table	<b>See notes about <i>Purchaser</i> provided insurance in Annexure B to this Contract Data</b>

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84.1	The <i>Supplier</i> provides these additional insurances	<b>See notes in Annexure B</b>
84.2	The minimum amount of cover for loss of or damage to any plant and materials provided by the <i>Purchaser</i> is:	<b>The price of contract value</b>
84.2	The minimum limit of indemnity for insurance in respect of loss of or damage to property (except the <i>goods</i> , plant and materials and equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Supplier</i> ) caused by activity in connection with this contract for any one event is:	<p><b>Whatever the <i>Supplier</i> deems necessary in addition to that provided by the <i>Purchaser</i> for any one event with cross liability so that the insurance applies to the Parties separately.</b></p> <p><b>However if the <i>Supplier</i> is exposed to damage to the <i>Purchaser's</i> property the cover limit amount is not less than</b></p> <ul style="list-style-type: none"> <li>• R15 million (fifteen million Rand) for exposure to Generation Division property;</li> <li>• R7.5 million (seven million five hundred thousand Rand) for exposure to Transmission Division property and; <ul style="list-style-type: none"> <li>• R1 million (one million Rand) for exposure to Distribution Division and all other <i>Purchaser's</i> property</li> </ul> </li> </ul> <p><b>for any one occurrence or series of occurrences arising out of one event but unlimited during the period of insurance.</b></p>
84.2	The minimum limit of indemnity for insurance in respect of death of or bodily injury to employees of the <i>Supplier</i> arising out of and in the course of their employment in connection with this contract for any one event is:	<b>As prescribed by the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 and the <i>Contractor's</i> common law liability for people falling outside the scope of the Act with a limit of Indemnity of not less than R500 000 (five hundred thousand Rand).</b>
88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	<b>R0.0 (zero Rand)</b>
88.2	For any one event, the <i>Supplier's</i> liability to the <i>Purchaser</i> for loss of or damage to the <i>Purchaser's</i> property is limited to	<p><b>(1) for the <i>Purchaser's</i> existing and surrounding property in the care, custody and control of the <i>Supplier</i> the amount of the deductible (first amount payable) relevant to the event described in the "Format A" / "Format B" / "Format Dx" {choose the applicable format, then delete the others and this note}, insurance policy available on <a href="http://www.eskom.co.za/live/content.php?ItemID=9248">http://www.eskom.co.za/live/content.php?ItemID=9248</a></b></p> <p><b>and</b></p> <p><b>(2) for all other existing <i>Purchaser's</i> property the highest applicable deductible (first amount</b></p>

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payable) namely:

1. R15 million (fifteen million Rand) for Generation Division property;
2. R7.5 million (seven million five hundred thousand Rand) for Transmission Division property and;
3. R1 million (one million Rand) for Distribution Division and all other Purchaser's property

See notes in Annexure B

88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last <i>defects date</i> is limited to:	<b>Total of the Prices.</b>
88.4	The <i>Supplier's</i> total liability to the <i>Purchaser</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	<b>Total of the Prices.</b>
88.5	The <i>end of liability date</i> is	<b>Three (3) years after Delivery of the whole of the goods and services.</b>

**9 Termination and dispute resolution**

94.1	The <i>Adjudicator</i> is (Name)	The person selected from the Panel of Adjudicators listed in Annexure C to this Contract Data by the Party intending to refer a dispute to him.
94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See <a href="http://www.ice-sa.org.za">www.ice-sa.org.za</a> )
94.4(2)	The <i>tribunal</i> is:	arbitration
94.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.
94.4(5)	The place where arbitration is to be held is	South Africa
	The person or organisation who will choose an arbitrator	
	- if the Parties cannot agree a choice or	the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.
	- if the arbitration procedure does not state who selects an arbitrator, is	

**10 Data for Option clauses**

<b>X1</b>	<b>Price adjustment for inflation</b>		
X1.1	The <i>base date</i> for indices is		
	The proportions used to calculate the Price Adjustment Factor are:	proportion	linked to index for
		0.	Index prepared by

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		0.	
		0.	
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		0.	
		10	non-adjustable
		100	
<b>X2</b>	<b>Changes in the law</b>		
X2.1	A change in the law of	<b>South Africa is a compensation event if it occurs after the Contract Date</b>	
<b>X7</b>	<b>Delay damages</b>		
X7.1	Delay damages for Delivery are	<b>Delivery of</b>	<b>amount per day</b>
		<b>Supply and delivery of Pressure Gauges and Thermocouples on an as and when required basis for a period of thirty six (36) months for Duvha power station</b>	<b>The supplier should deliver according to the accepted schedule. 5% of each late delivery per day to a maximum of 20% of the total task order.</b>
<b>Z</b>	<b>The additional conditions of contract are</b>	<b>Z1 to Z12 always apply for Eskom</b>	

**Z1 Cession delegation and assignment**

- Z1.1 The *Supplier* does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the *Purchaser*.
- Z1.2 Notwithstanding the above, the *Purchaser* may on written notice to the *Supplier* cede and delegate its rights and obligations under this contract to any of its subsidiaries or any of its present divisions or operations which may be converted into separate legal entities as a result of the restructuring of the Electricity Supply Industry and the Electricity Distribution Industry.

**Z2 Joint ventures**

- Z2.1 If the *Supplier* constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organisations then these persons or organisations are deemed to be jointly and severally liable to the *Purchaser* for the performance of this contract.
- Z2.2 Unless already notified to the *Purchaser*, the persons or organisations notify the *Supply Manager* within two weeks of the Contract Date of the key person who has the authority to bind the *Supplier* on their behalf.
- Z2.3 The *Supplier* does not substantially alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without the consent of the *Purchaser* having been given to the *Supplier* in writing.

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## **Z3 Change of Broad Based Black Economic Empowerment (B-BBEE) status**

- Z3.1 Where a change in the *Supplier's* legal status, ownership or any other change to his business composition or business dealings results in a change to the *Supplier's* B-BBEE status, the *Supplier* notifies the *Purchaser* within seven days of the change.
- Z3.2 The *Supplier* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Supply Manager* within thirty days of the notification or as otherwise instructed by the *Supply Manager*.
- Z3.3 Where, as a result, the *Supplier's* B-BBEE status has decreased since the Contract Date the *Purchaser* may either re-negotiate this contract or alternatively, terminate the *Supplier's* obligation to Provide the Goods and Services.
- Z3.4 Failure by the *Supplier* to notify the *Purchaser* of a change in its B-BBEE status may constitute a reason for termination. If the *Purchaser* terminates in terms of this clause, the procedures on termination are P1, P2 and P3 as stated in clause 92, and the amount due is A1 and A3 as stated in clause 93.

## **Z4 Ethics**

- Z4.1 Any offer, payment, consideration, or benefit of any kind made by the *Supplier*, which constitutes or could be construed either directly or indirectly as an illegal or corrupt practice, as an inducement or reward for the award or in execution of this contract constitutes grounds for terminating the *Supplier's* obligation to Provide the Goods and Services or taking any other action as appropriate against the *Supplier* (including civil or criminal action).
- Z4.2 The *Purchaser* may terminate the *Supplier's* obligation to Provide the Goods and Services if the *Supplier* (or any member of the *Supplier* where the *Supplier* constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organisations) is found guilty by a competent court, administrative or regulatory body of participating in illegal or corrupt practices.

Such practices include making of offers, payments, considerations, or benefits of any kind or otherwise, whether in connection with any procurement process or contract with the *Purchaser* or other people or organisations and including in circumstances where the *Supplier* or any such member is removed from the an approved vendor data base of the *Purchaser* as a consequence of such practice.

- Z4.3 Notwithstanding the provisions of core clause 90.2, the procedures on termination in terms of this clause are P1, P2 and P3 as stated in the core clause 92 and the amount due is A1 and A3 as stated in core clause 93.

## **Z5 Confidentiality**

- Z5.1 The *Supplier* does not disclose or make any information arising from or in connection with this contract available to Others. This undertaking does not, however, apply to information which at the time of disclosure or thereafter, without default on the part of the *Supplier*, enters the public domain or to information which was already in the possession of the *Supplier* at the time of disclosure (evidenced by written records in existence at that time). Should the *Supplier* disclose information to Others in terms of clause 23.1, the *Supplier* ensures that the provisions of this clause are complied with by the recipient.
- Z5.2 If the *Supplier* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Supply Manager*.
- Z5.3 In the event that the *Supplier* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Supplier*, to the extent permitted by law prior to

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disclosure, notifies the *Purchaser* so that an appropriate protection order and/or any other action can be taken if possible, prior to any disclosure. In the event that such protective order is not, or cannot, be obtained, then the *Supplier* may disclose that portion of the information which it is required to be disclosed by law and uses reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed.

Z5.5 The *Supplier* ensures that all his subcontractors abide by the undertakings in this clause.

## **Z6 Waiver and estoppel: Add to core clause 12.3:**

Z6.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, the *Supply Manager* or the *Adjudicator* does not constitute a waiver of rights, and does not give rise to an estoppel unless the Parties agree otherwise and confirm such agreement in writing.

## **Z8 Provision of a Tax Invoice and interest. Add to core clause 51**

Z8.1 Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice in accordance with the *Purchaser's* procedures stated in the Goods Information, showing the amount due for payment equal to that stated in the payment certificate.

Z8.2 If the *Supplier* does not provide a tax invoice in the form and by the time required by this contract, the time by when the *Purchaser* is to make a payment is extended by a period equal in time to the delayed submission of the correct tax invoice. Interest due by the *Purchaser* in terms of core clause 51.2 is then calculated from the delayed date by when payment is to be made.

Z8.3 The *Supplier* (if registered in South Africa in terms of the companies Act) is required to comply with the requirements of the Value Added Tax Act, no 89 of 1991 (as amended) and to include the *Purchaser's* VAT number 4740101508 on each invoice he submits for payment.

## **Z9 Notifying compensation events**

Z9.1 Delete from the last sentence in core clause 61.3, "unless the *Supply Manager* should have notified the event to the *Supplier* but did not".

## **Z10 Purchaser's limitation of liability**

Z10.1 The *Purchaser's* liability to the *Supplier* for the *Supplier's* indirect or consequential loss is limited to R0.00 (zero Rand)

Z10.2 The *Supplier's* entitlement under the indemnity in 83.1 is provided for in 60.1(12) and the *Purchaser's* liability under the indemnity is limited.

## **Z11 Termination: Add to core clause 91.1, at the second main bullet point, fourth sub-bullet point, after the words "against it":**

Z11.1 or had a judicial management order granted against it.

## **Z12 Addition to secondary Option X7 Delay damages (if applicable in this contract)**

Z12.1 If the amount due for the *Supplier's* payment of delay damages reaches the limits stated in this Contract Data for Option X7, the *Purchaser* may terminate the *Supplier's* obligation to Provide the Goods and Services using the same procedures and payment on termination as those applied for reasons R1 to R15 or R18 stated in the Termination Table.

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**Annexure A: Supply Requirements**

*[Notes: This template is based on the examples given in the NEC3 Supply Contract Guidance Notes pages 15 to 20 inclusive. Please read the Guidance Notes before finalising the information given below. Users may need to adjust the information to comply with actual requirements. First decide whether Incoterms will be used or not, then delete the arrangement below which does not apply and delete these notes]*

**The Supply Requirements for this contract are based on the use of INCOTERMS:**

The *Supplier* supplies the *goods* in accordance with INCOTERMS 2000<sup>2</sup> as follows:

Group	Category	Term	Delivery Place
E	departure	EXW	Duvha Power Station
F	main carriage unpaid	FCA, FAS, FOB	
C	main carriage paid	CFR, CIF, CPT, CIP	
D	arrival	DAF, DES, DEQ, DDU DDP	

The Parties obligations described in Incoterms for the category and term selected are now incorporated into this contract as part of the Supply Requirements and hence the Goods Information.

The obligations of seller and buyer for the selected Incoterm determine each Party's costs, risks and insurance requirements incidental to the supply and transport of the *goods* from *Supplier* to *Purchaser*.

For each of the thirteen terms, Incoterms set out obligations of the seller (the *Supplier*) in ten paragraphs identified as A1 to A10 and the corresponding obligations of the buyer (the *Purchaser*) in paragraphs B1 to B10. These obligations cover the following subjects:

A	The <i>Supplier's</i> obligations	B	The <i>Purchaser's</i> obligations
A1	Provision of goods in conformity with contract	B1	Payment of the price
A2	Licences, authorisations and formalities	B2	Licences, authorisations and formalities

<sup>2</sup> International Chamber of Commerce, Incoterms 2000, Paris, January 2000.

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<b>A3</b>	Contracts of carriage and insurance	<b>B3</b>	Contracts of carriage and insurance
<b>A4</b>	Delivery	<b>B4</b>	Taking delivery
<b>A5</b>	Transfer of risks	<b>B5</b>	Transfer of risks
<b>A6</b>	Division of costs	<b>B6</b>	Division of costs
<b>A7</b>	Notice to the buyer	<b>B7</b>	Notice to the seller
<b>A8</b>	Proof of delivery, transport document or equivalent electronic message	<b>B8</b>	Proof of delivery, transport document or equivalent electronic message
<b>A9</b>	Checking - packing - marking	<b>B9</b>	Inspection of goods
<b>A10</b>	Other obligations	<b>B10</b>	Other obligations

*[Should there be a need to amplify any of the published obligations listed above for the chosen INCOTERM, add them here. Before doing so read SC3 Guidance Notes pages 18 to 20 as well as the cross references to INCOTERMS included in the guidance.]*

All other information NOT pertinent to the above is given in the balance of the Goods Information

**The Supply Requirements for this contract are as follows:**

[Use these when INCOTERMS do not apply].

<b>1. The requirements for the supply are</b>	Timing as stipulated on the section 30.1 above	
<b>2. The requirements for transport are</b>	The mode of road transport to be used	
<b>3. The delivery place is</b>	Duvha Power Station	
<b>4. Actions of the Parties during supply</b>	<b>Action</b>	<b>Party which does it</b>
	Giving notice of Delivery	Supplier
	Checking packing and marking before dispatch	Supplier
	Contracting for transport	Supplier
	Pay costs of transport	Supplier
	Arrange access to delivery place	Supplier
	Loading the <i>goods</i>	Supplier
	Unloading the <i>goods</i>	Supplier
<b>For international procurement</b>	Undertake export requirements	N/A
	Undertake import requirements	N/A
<b>5. Information to be provided by the Supplier</b>	<b>Title of document</b>	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	

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	As prescribed on the following documents  Annexure A: Works Information
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All other information NOT pertinent to the above is given in the balance of the Goods Information

## Annexure B: Insurance provided by the Purchaser

*These notes are provided as guidance to tendering suppliers and the Supplier about the insurance provided by the Purchaser. These notes are not part of this contract.*

### Transit insurance of goods originating from outside the borders of the Republic of South Africa

For the purpose of supply contracts, the only insurance provided by Eskom (the *Purchaser*) is transit shipment cover, commonly known as Marine Insurance for air, sea, rail and road freight (including local land arrangements) for conveyance of *goods* originating outside RSA. Please consult the website stated below to ascertain whether Format A, Format B or Format Dx is applicable to this contract and then the

- Marine Insurance Policy wording;
- Eskom Shipment Policies and Procedures – note a pre-shipment survey form has to be completed under certain circumstances;
- Marine Claims Handling Procedures – for important shipment actions and claims forms in event of damages to cargo freight via sea, barge, air, road or rail.

For EXW (Ex Works collections) this is of no concern to the *Supplier* but for any other Supply Requirement (such as CIF, DDU, or DDP) the *Supplier* need not provide such insurance even if the INCOTERM requires it and tendering suppliers should 'discount' their prices when tendering to allow for this provision by the *Purchaser* (Eskom).

### Supplier's liability for damage to the Purchaser's property

Whilst this is a liability the *Supplier* carries and should cover (if he is required to deliver the *goods* to the *Purchaser's* premises) his liability is limited to the amount of cover provided to the *Purchaser* within his assets policy. This amount varies depending on the Division within Eskom to which the *Supplier* is making the delivery. For any one occurrence or series of occurrences arising out of one event but unlimited during the period of insurance the *Supplier's* liability would be:

- R15million for Generation Division projects,
- R7.5million for Transmission Division projects or
- R1.0million for Distribution Division projects

### All other insurance

As required by clause 84, the *Supplier* provides all other insurance for his risks. The *Supplier* should give further consideration to providing for these additional insurance concepts [for amounts and periods of insurance the *Supplier* deems fit and necessary].

Professional Indemnity: The insurance provided shall indemnify the *Supplier* (and/or his professional consultant) for those sums which the *Supplier* or his consultant shall become legally liable to pay as damages arising from any claim first made against the *Supplier* / consultant and reported to their insurers during the Period of Insurance, directly arising out of any negligent act, error or omission committed or alleged to have been committed by the *Supplier* / consultant in the conduct of **professional services** (for example, design) in connection with this contract.

Products Liability: A special General Liability extension for liability arising out of the *Supplier's* **defective**:

- production and manufacturing process (workmanship or material), or
- product design, or

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- warnings, instructions, usage and maintenance manuals and specifications.

For any further explanation of insurance requirements tendering suppliers are advised to consult their brokers or insurers who may in turn contact Eskom Insurance Management Services per contact details provided on the following website:

[http://www.eskom.co.za/live/content.php?Item\\_ID=9248](http://www.eskom.co.za/live/content.php?Item_ID=9248)

## Annexure C: The Purchaser's Panel of Adjudicators

The following persons listed in alphabetical order of their surname have indicated their willingness to be included in the *Purchaser's* Panel of Adjudicators. Their CV's may be obtained by using the contact details provided.

Name	Location	Contact details (phone & e mail)
Nigel ANDREWS	Gauteng	+27 11 836-6760 <a href="mailto:nigela@quoin.net">nigela@quoin.net</a>
Andrew BAIRD	Gauteng	+27 11 803 3008 <a href="mailto:andrewbaird@ecsconsult.co.za">andrewbaird@ecsconsult.co.za</a>
Christopher BINNINGTON	Gauteng	+27 11 888-6141 <a href="mailto:cdb@bca.co.za">cdb@bca.co.za</a>
Peter HIGGINS	UK	+44 1293 873 868 <a href="mailto:peterhiggins@pdconsult.co.uk">peterhiggins@pdconsult.co.uk</a>
Adv. Bruce LEECH	Gauteng	+27 11 290 4000 <a href="mailto:leech@counsel.co.za">leech@counsel.co.za</a>
Nigel NILEN	Gauteng	+27 11 465 3601; <a href="mailto:nilences@global.co.za">nilences@global.co.za</a>
Peter THURLOW	Gauteng	+27 11 787 6226 <a href="mailto:info@thurlowassoc.com">info@thurlowassoc.com</a>

Information about the Panel and appointment of the selected *Adjudicator* is available from Eskom Supply Chain Operations management, by contacting Leighton Itholeng (Tel.: +27 (0)11 800 4031) (Fax :+27 (0)86 668 0419) E-mail : [Leighton.Itholeng@eskom.co.za](mailto:Leighton.Itholeng@eskom.co.za)

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## C1.2 Contract Data

### Part two - Data provided by the *Supplier*

**Notes to a tendering supplier:**

1. Please read both the NEC3 Supply Contract (December 2009) and the relevant parts of its Guidance Notes (SC3-GN)<sup>3</sup> in order to understand the implications of this Data which the tenderer is required to complete.
2. The number of the clause which requires the data is shown in the left hand column for each statement however other clauses may also use the same data
3. Where a form field like this [       ] appears, data is required to be inserted relevant to the option selected. Click on the form field **once** and type in the data. Otherwise complete by hand and in ink.

Completion of the data in full, according to Options chosen, is essential to create a complete contract.

Clause	Statement	Data						
10.1	The <i>Supplier</i> is (Name): Address Tel No. Fax No.							
11.2(8)	The Goods Information for the <i>Supplier's</i> design is in:							
11.2(11)	The tendered total of the Prices is	R , (in words)						
11.2(12)	The <i>price schedule</i> is in:	<b>C2.2 Price Schedule</b>						
11.2(14)	The following matters will be included in the Risk Register	<b>1. Delays due to failed quality tests.</b>						
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are	<b>N/A</b>						
30.1	The <i>delivery date</i> of the goods and services is:	<table border="1"> <thead> <tr> <th></th> <th><i>goods and services</i></th> <th><i>delivery date</i></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Supply and Delivery of Pressure Gauges and Thermocouples on an as and when required basis for a period of thirty six (36) months for Duvha power station</td> <td>As and when required</td> </tr> </tbody> </table>		<i>goods and services</i>	<i>delivery date</i>	1	Supply and Delivery of Pressure Gauges and Thermocouples on an as and when required basis for a period of thirty six (36) months for Duvha power station	As and when required
	<i>goods and services</i>	<i>delivery date</i>						
1	Supply and Delivery of Pressure Gauges and Thermocouples on an as and when required basis for a period of thirty six (36) months for Duvha power station	As and when required						
31.1	The programme identified in the Contract Data is contained in:							

<sup>3</sup> Available from Engineering Contract Strategies Tel 011 803 3008 Fax 011 803 3009 [www.ecs.co.za](http://www.ecs.co.za)

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63.2 The *percentage for overheads and profit* added to the Defined Cost is %

**PART 2: PRICING DATA**

**NEC3 Supply Contract**

<b>Document reference</b>	<b>Title</b>	<b>No of pages</b>
C2.1	Pricing assumptions	
C2.2	The <i>price schedule</i>	

## C2.1 Pricing assumptions

### The *conditions of contract*

#### How *goods and services* are priced and assessed for payment

Clause 11 in NEC3 Supply Contract, December 2009 (SC3) core clauses states:

<b>Identified and defined terms</b>	11	
	11.2	(11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate.
		(12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.
<b>Assessing the amount due</b>	50.2	The amount due is
		<ul style="list-style-type: none"><li>• the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed,</li><li>• where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the <i>Supplier</i> has completed by the rate,</li><li>• plus other amounts to be paid to the <i>Supplier</i>,</li><li>• less amounts to be paid by or retained from the <i>Supplier</i>.</li></ul>

Any tax which the law requires the *Purchaser* to pay to the *Supplier* is included in the amount due.

This confirms that the Supply Contract is a priced contract where the Prices are derived from a list of items of *goods and services* which can be priced as lump sums or as expected quantities of *goods and services* multiplied by a rate, or a mix of both.

### Function of the Price Schedule

Clause 53.1 states: "Information in the Price Schedule is not Goods Information". This confirms that instructions to do work or how it is to be done are not included in the Price Schedule but in the Goods Information. This is further confirmed by Clause 20.1 which states, "The *Supplier* Provides the Goods and Services in accordance with the Goods Information". Hence the *Supplier* does **not** Provide the Goods and Services in accordance with the Price Schedule. The Price Schedule is only a pricing document.

### Preparing the *price schedule*

It will be assumed that the tendering supplier has read Pages 11 and 12 and Appendix 5 of the SC3 Guidance Notes before preparing the *price schedule*. Items in the *price schedule* may have been inserted by the *Purchaser* and the tendering supplier should insert any additional items which he considers necessary. Whichever party provides the items in the *price schedule* the total of the Prices is assumed to be fully inclusive of everything necessary to Provide the Goods and Services as described at the time of entering into this contract.

1 As the *Supplier* has an obligation to correct Defects (core clause 43.1) and there is no compensation

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event for this unless the Defect was due to a *Supplier's* risk, the lump sum Prices and rates must also include for the correction of Defects.

2 If the *Supplier* has decided not to identify a particular item in the *price schedule* at the time of tender the cost to the *Supplier* of doing the work is assumed to be included in, or spread across, the other Prices and rates in the *price schedule* in order to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices.

3 There is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item of *goods* or *services* later turns out to be different to that which the *Supplier* estimated at time of tender. The only basis for a change to the Prices is as a result of a compensation event. See Clause 60.1.

4 Hence the Prices and rates tendered by the *Supplier* in the *price schedule* are inclusive of everything necessary and incidental to Providing the Goods and Services in accordance with the Goods Information, as it was at the time of tender, as well as correct any Defects not caused by a *Purchaser's* risk.

5 The *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event. It should be noted that the list of compensation events includes those arising as a result of a *Purchaser's* risk event listed in core clause 80.1.

### Format of the *price schedule*

(From Appendix 5 on page 78 of the SC3 Guidance Notes)

Entries in the first four columns in the *price schedule* in section C2.2 are made either by the *Purchaser* or the tendering supplier.

If the *Supplier* is to be paid an amount for the item which is not adjusted if the quantity of work in the item changes, the tendering supplier enters the amount in the Price column only, the Unit, Quantity and Rate columns being left blank.

If the *Supplier* is to be paid an amount for the item which is the rate for the item multiplied by the quantity completed, the tendering *Supplier* enters the rate which is then multiplied by the Quantity to produce the Price, which is also entered.

If the *Supplier* is to be paid an amount for an item proportional to the length of time for which the *goods* and *services* are provided, a unit of time is stated in the Unit column and the length of time (as a quantity of the stated units of time) is stated in the Quantity column.

## C2.2 the price schedule

No.		DESCRIPTION	QUANTITY	Unit of Measure
10	0156179	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 500 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; SIMPLEX; MINERAL INSULATED; COLD JUNCTION END 40MM DIN STANDARD; SPRING LOADED CONNECTION BLOCK; AMERICAN STD COLOUR CODING ONLY; CONNECTION COMPRESSION; WIRE SIZE 2MM	5	EA
20	0154033	THERMOCOUPLE: TYPE: T; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 35 MM; TEMPERATURE RANGE: -185 TO 300 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: COMPRESSION; JUNCTION: SIMPLEX, UNGROUNDED; DESIGN LENGTH 35 MM; FOR GENERATOR SEALS; TYPE T; SIMPLEX; MINERAL INSULATED; POTSEAL DIA NOT MORE THAN 5MM X 18MM ONG; WITH 2M COMPENSATING CABLE ISOLATION TEFLON/ TEFLON; FITTED TO A H11T PLUG WITH A H20T SOCKET(NOT THE SMALL PLUGS); NOTE, MUST HAVE A 45 DEG BEND NEXT TO POTSEAL; AMERICAN STANDARD COLOUR CODING ONLY; 7 POINT TEST CERTIFICATE REQUIRED (0 TO 300 DEG C)	92	EA
30	0156150	GAUGE, PRESSURE: RANGE: 0-1600 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: STL; TUBE MATERIAL: BRS/BRZ; CONNECTION MATERIAL: BRASS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING FRICTION FIT; WINDOW 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK; MOVEMENT BRASS WITH END STOPS; C-TUBE; CONNECTION: NO ADAPTOR; ACCURACY BETTER THAN 2PCT; NO FLANGES; LIQUID FILLABLE; 7 POINT TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; CONTROL INSTRUMENTS; BLANES AND BUDENBERG BRANDS ONLY	6	EA
40	0156126	GAUGE, PRESSURE: RANGE: -100 TO 900 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS BAYONET LOCK TYPE; NEOPRENE GASKET; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE	8	EA

		CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT: SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; C-TUBE; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; NO FLANGES; LIQUID FILLABLE; CASING NOT WELDED TO BOURDON; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY		
50	0156098	GAUGE, PRESSURE: RANGE: 0-250 KPA; DIAL SIZE: 40 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/8 IN; CASE MATERIAL: STL; TUBE MATERIAL: BRS/BRZ; CONNECTION MATERIAL: BRASS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING FRICTION FIT; WINDOW: 3MM QUALITY GLASS; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK; MOVEMENT BRS WITH END STOPS; C TUBE; NO ADAPTOR; ACCURACY BETTER THAN 2PCT; NO FLANGES; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY; WIKA INSTRUMENTS, CONTROL INSTRUMENTS, BLANES AND BUDENBERG BRANDS ONLY	5	EA
60	0156099	GAUGE, PRESSURE: RANGE: 0-400 KPA; DIAL SIZE: 40 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/8 IN; CASE MATERIAL: STL; TUBE MATERIAL: BRS/BRZ; CONNECTION MATERIAL: BRASS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING FRICTION FIT; WINDOW: 3MM QUALITY GLASS; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK; MOVEMENT BRS WITH END STOPS; C-TUBE; NO ADAPTOR; ACCURACY BETTER THAN 2PCT; NO FLANGES; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY	5	EA
70	0156209	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BACK; MOUNT: PANEL; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS BAYONET LOCK TYPE; NEOPRENE GASKET; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT: SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; C-TUBE; PARALLEL THREAD WITH SPIGOT; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; FLANGE FRONT MOUNT WELDED TO CASING ONLY; LIQUID FILLABLE; CASING NOT WELDED TO BOURDON; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY; CONTROL INSTRUMENTS, WIKA	5	EA

		INSTRUMENTS, BLANES AND BUDENBERG BRANDS ONLY		
80	0156155	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BACK; MOUNT: PANEL; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS BAYONET LOCK TYPE; NEOPRENE GASKET; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; FLANGE FRONT MOUNT WELDED TO CASING ONLY; LIQUID FILLABLE; CASING NOT WELDED TO BOURDON; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY	22	EA
<u>90</u>	0156142	GAUGE, PRESSURE: RANGE: 0-2500 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS BAYONET LOCK TYPE; NEOPRENE GASKET; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT: SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; C-TUBE; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; FLANGE BACK MOUNT WELDED TO CASING ONLY; LIQUID FILLABLE; CASING NOT WELDED TO BOURDON; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY	5	EA
100	0156180	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 1.4 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; SIMPLEX; MINERAL INSULATED; COLD JUNCTION END 40MM; DIN STD SPRING LOADED CONNECTION BLOCK; AMERICAN STD COLOUR CODING ONLY; DO NOT COIL; CONNECTION COMPRESSION; WIRE SIZE 2MM	5	EA
<u>110</u>	0153552	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 4.8 MM; DESIGN LENGTH: 215 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: DUPLEX, UNGROUNDED; HEAD: YES; STEP; DUPLEX; COLD JUNCTION END LENGTH 115MM; 5/16 IN DIA; HOT	5	EA

		JUNCTION END LENGTH 100MM; 3/16 IN DIA; MINERAL INSULATED; COLD JUNCTION END 40MM DIN STANDARD SPRING LOADED; CONNECTION BLOCK FITTED TO HINGE LID; AL HEAD ONLY; AMERICAN STANDARD COLOUR CODING ONLY; CONNECTION COMPRESSION		
<u>120</u>	0156143	GAUGE, PRESSURE: RANGE: 0-10 MPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS BAYONET LOCK TYPE; NEOPRENE GASKET; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT: SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; C-TUBE; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; FLANGE BACK MOUNT WELDED TO CASING ONLY; LIQUID FILLABLE; CASING NOT WELDED TO BOURDON; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY; CONTROL INSTRUMENTS, WIKA INSTRUMENTS, BLANES AND BUDENBERG BRANDS ONLY	5	EA
130	0156158	GAUGE, PRESSURE: RANGE: 0-2500 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BACK; MOUNT: PANEL; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS BAYONET LOCK TYPE; NEOPRENE GASKET; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT: SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; C-TUBE; PARALLEL THREAD WITH SPIGOT; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; FLANGE FRONT MOUNT WELDED TO CASING ONLY; LIQUID FILLABLE; CASING NOT WELDED TO BOURDON; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY; CONTROL INSTRUMENTS, WIKA INSTRUMENTS, BLANES AND BUDENBERG	5	EA
<u>140</u>	0156171	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 2.275 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; SIMPLEX; MINERAL INSULATED; DO NOT COIL; COLD JUNCTION END 40MM; DIN STD SPRINGLOADED CONNECTION BLOCK ONLY; AMERICAN STD COLOUR CODING ONLY; CONNECTION	5	EA

		COMPRESSION IN DIA; MINERAL INSULATED; COLD JUNCTION END 40MM DIN STANDARD SPRING LOADED; CONNECTION BLOCK FITTED TO HINGE LID; AL HEAD ONLY; AMERICAN STANDARD COLOUR CODING ONLY; CONNECTION COMPRESSION		
<u>150</u>	0156170	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 2.025 M; TEMPERATURE RANGE: 0- 1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; SIMPLEX; MINERAL INSULATED; DO NOT COIL; COLD JUNCTION END 40MM DIN STANDARD; SPRINGLOADED CONNECTION BLOCK ONLY; ITEMS NOT TO BE COILED	5	EA
160	0153555	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 4.8 MM; DESIGN LENGTH: 252 MM; TEMPERATURE RANGE: 0- 1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: DUPLEX, UNGROUNDED; HEAD: YES; STEP; DUPLEX; COLD JUNCTION END LENGTH 115MM; DIA 5/16 IN; HOT JUNCTION END LENGTH 137MM; DIA 3/16 IN; MINERAL INSULATED; COLD JUNCTION END 40MM DIN STANDARD SPRING LOADED; CONNECTION BLOCK FITTED TO HINGE LID; AL HEAD ONLY; CONNECTION COMPRESSION; WIRE SIZE 1MM	5	EA
<u>170</u>	0156062	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 5 MM; DESIGN LENGTH: 80 MM; TEMPERATURE RANGE: 0- 1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 11 MM NPT; JUNCTION: DUPLEX, UNGROUND; DRAWING NO: ESKOM 0.57/40954 REV 1; DUPLEX; MINERAL INSULATED; SEAL TO WITHSTAND 400KPA; COLD JUNCTION END POTSEAL WITH 8.5M COMPENSATING CABLE WITH 120MM TAILS; AMERICAN STD COLOUR CODING ONLY.	5	EA
<u>180</u>	0156090	PLUG, ELECTRICAL: TYPE: THERMOCOUPLE; REFERENCE NO: H20K; QUICK; FEMALE SOCKET; FOR TYPE K THERMOCOUPLES	205	EA
190	0184304	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 450 MM; TEMPERATURE RANGE: 0- 600 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 1/2 IN-BSP; JUNCTION: SIMPLEX, UNGROUND; HEAD: YES; SUPPL P/N: TP-10032-DPS- J; WITH FINAL 55MM REDUCED TO 3MM; FITTED WITH SPRING LOADED DIN BLOCK; MINERAL INSULATED; WITH EXTENTION 21.3MM OD WITH 20MM LONG THREAD, SS 150MM LONG BLOW LARGE DIE-CAST AL HEAD; WIRE SIZE 0.53MM	56	EA
<u>200</u>	0251025	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 4.5 MM; DESIGN LENGTH: 9 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: BSP 3/4 IN; JUNCTION: SIMPLEX, UNGROUND; ACCURACY: CL 1; SUPPL P/N:	5	EA

		T1TFAKSS45; 150 MM TEFLON EXTENSION LEADS 24 AWG; FITTED WITH HIGH TEMPERATU RE MALE AND FEMALE PLUGS LARGE 2 PIN WITH SOLID PINS; STAINLESS STEEL ADJUSTABLE GLAND; POTTED SEAL WITH STRESS RELIEF SPRING; WELD PAD TO FIT THROUGH 3/4 INCH HOLE SIZE; PAD SIZE 20 X 25 X 3 MM; WELD PAD TO BE FLUSH ON THE BOTTOM SIDE; 7 POINT TEST CERTIFICATE TO BE SUPPLIED IN DIA; MINERAL INSULATED; COLD JUNCTION END 40MM DIN STANDARD SPRING LOADED; CONNECTION BLOCK FITTED TO HINGE LID; AL HEAD ONLY; AMERICAN STANDARD COLOUR CODING ONLY; CONNECTION COMPRESSION		
<u>210</u>	0251026	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 4.5 MM; DESIGN LENGTH: 9.5 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: BSP 3/4 IN; JUNCTION: SIMPLEX, UNGROUNDED; ACCURACY: CL 1; SUPPL P/N: T1TFAKSS45; 150 MM TEFLON EXTENSION LEADS 24 AWG; FITTED WITH HIGH TEMPERA TURE MALE AND FEMALE PLUGS LARGE 2 PIN WITH SOLID PINS; STAINLESS STEEL ADJUSTABLE GLAND; POTTED SEAL WITH STRESS RELIEF SPRING; WELD PAD TO FIT THROUGH 3/4 INCH HOLE SIZE; PAD SIZE 20 X 25 X 3 MM; WELD PAD TO BE FLUSH ON THE BOTTOM SIDE; 7 POINT TEST CERTIFICATE TO BE SUPPLIED	9	EA
<u>220</u>	0251027	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 4.5 MM; DESIGN LENGTH: 12 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: BSP 3/4 IN; JUNCTION: SIMPLEX, UNGROUNDED; ACCURACY: CL 1; SUPPL P/N: T1TFAKSS45; 150 MM TEFLON EXTENSION LEADS 24 AWG; FITTED WITH HIGH TEMPERATURE MALE AND FEMALE PLUGS LARGE 2 PIN WITH SOLID PINS; STAINLESS STEEL ADJUSTABLE GLAND; POTTED SEAL WITH STRESS RELIEF SPRING; WELD PAD TO FIT THROUGH 3/4 INCH HOLE SIZE; PAD SIZE 20 X 25 X 3 MM; WELD PAD TO BE FLUSH ON THE BOTTOM SIDE' 7 POINT TEST CERTIFICATE TO BE SUPPLIED	28	EA
<u>230</u>	0156117	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL; FILLED: LIQUID; TYPE: BOURDON TUBE; BEZEL RING SS BAYONET LOCK TYPE; NEOPRENE GASKET; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK NUMERAL AND DIVISIONS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT: SS WITH WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK;	5	EA

		BOURDON TUBE S/ST C-TUBE; NO ADAPTOR; ACCURACY BETTER THAN 1%; FLANGE BACK; WELDED TO CASING ONLY;NOT GLYCERINE FILLED		
240	0154340	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 1.15 M; SHEATH MATERIAL: STAINLESS STEEL; JUNCTION: SIMPLEX, UNGROUND; SIMPLEX; MINERAL INSULATED; COLD JUNCTION END POTSEAL WITH 50MM TAILS; TO BE SUPPLIED WITH 1/2 IN FITTING; ITEM NOT TO BE COILED; WIRE SIZE 1.5MM	5	EA
<u>250</u>	0156110	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 200 MM; TEMPERATURE RANGE: 0- 1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 1/2 IN-NPT; JUNCTION: DUPLEX, UNGROUND; MINERAL INSULATED; JUNCTION COMPLETE WITH DIN; AMERICAN STANDARD COLOUR CODING ONLY; WIRE SIZE 1MM	12	EA
<u>260</u>	0156109	HEAD, THERMOCOUPLE: MATERIAL: AL DIE CAST; CONDUIT OPENING: NPT 1/2 IN; REFERENCE NO: FT; LARGE WITH HINDGE LID (FLIP TOP) ONLY; WITHOUT CERAMIC BLOCK; PROTECTING TUBE PIPE THREAD 1/2 NPT; TWO HOLES TAPPED TO FIT SPRING LOADED DIN CERAMIC BLOCKS 33MM APART, THD	15	EA
270	0156180	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 1.4 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUND; SIMPLEX; MINERAL INSULATED; COLD JUNCTION END 40MM; DIN STD SPRING LOADED CONNECTION BLOCK; AMERICAN STD COLOUR CODING ONLY; DO NOT COIL; CONNECTION COMPRESSION; WIRE SIZE 2MM	5	EA
<u>280</u>	0251025	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 4.5 MM; DESIGN LENGTH: 9 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: BSP 3/4 IN; JUNCTION: SIMPLEX, UNGROUND; ACCURACY: CL 1; SUPPL P/N: T1TFAKSS45; 150 MM TEFLON EXTENSION LEADS 24 AWG; FITTED WITH HIGH TEMPERATU RE MALE AND FEMALE PLUGS LARGE 2 PIN WITH SOLID PINS; STAINLESS STEEL ADJUSTABLE GLAND; POTTED SEAL WITH STRESS RELIEF SPRING; WELD PAD TO FIT THROUGH 3/4 INCH HOLE SIZE; PAD SIZE 20 X 25 X 3 MM; WELD PAD TO BE FLUSH ON THE BOTTOM SIDE; 7 POINT TEST CERTIFICATE TO BE SUPPLIED IN DIA; MINERAL INSULATED; COLD JUNCTION END 40MM DIN STANDARD SPRING LOADED; CONNECTION BLOCK FITTED TO HINGE LID; AL HEAD ONLY; AMERICAN STANDARD COLOUR CODING ONLY; CONNECTION COMPRESSION	5	EA
<u>290</u>	0156176	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM;	5	EA

		DESIGN LENGTH: 1.825 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; SIMPLEX; MINERAL INSULATED; COLD JUNCTION END 40MM; DIN STD SPRINGLOADED CONNECTION BLOCK ONLY; AMERICAN STANDARD COLOUR CODING ONLY; CONNECTION COMPRESSION; WIRE SIZE 1.5MM		
<u>300</u>	0156097	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 40 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/8 IN; CASE MATERIAL: STL; TUBE MATERIAL: BRS/BRZ; CONNECTION MATERIAL: BRASS; CONNECTION LOCATION: BACK; MOUNT: STEM; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING FRICTION FIT; WINDOW: 3MM QUALITY GLASS; BLOW OUT DISC ON TOP OF CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK; MOVEMENT BRS WITH END STOPS; C TUBE; NO ADAPTOR; ACCURACY BETTER THAN 2PCT; NO FLANGES; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY; WIKA INSTRUMENTS AND CONTROL INSTRUMENTS, BLANES AND BUDENBERG BRANDS	5	EA
<u>310</u>	0154034	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 53 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 11 MM NPT; JUNCTION: SIMPLEX, GROUNDED; REFERENCE NO: RT-DPS-1; SIMPLEX; BELOW ADJUSTABLE ADAPTOR 1/8 IN BSP PARRELEL THREAD; COLD JUNCTION END; NO POTSEAL WITH 6M 30 GAUGE TEFLON COMPENSATING CABLE AND 120MM TAILS; TOTAL CELL LENGTH 83MM LONG; AMERICAN STANDARD COLOUR CODING ONLY; REPUBLIC THERMOCOUPLE ONLY; WIRE SIZE 1MM	70	EA
320	0156089	PLUG, ELECTRICAL: TYPE: THERMOCOUPLE; REFERENCE NO: H11K; QUICK; MALE; FOR TYPE K THERMOCOUPLES; AMERICAN STD COLOUR CODING ONLY	440	EA
<u>330</u>	0156096	GAUGE, PRESSURE: RANGE: 0-600 KPA; DIAL SIZE: 40 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/8 IN; CASE MATERIAL: STL; TUBE MATERIAL: BRS/BRZ; CONNECTION MATERIAL: BRASS; CONNECTION LOCATION: BACK; MOUNT: STEM; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING FRICTION FIT; WINDOW: 3MM QUALITY GLASS; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK; MOVEMENT BRS WITH END STOPS; C-TUBE; NO ADAPTOR; ACCURACY BETTER THAN 2PCT; NO FLANGES; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY; WIKA INSTRUMENTS, CONTROL INSTRUMENTS, BLANES AND BUDENBERG BRANDS ONLY	5	EA
<u>340</u>	0154032	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 2.8 MM;	645	EA

		DESIGN LENGTH: 800 MM; SHEATH MATERIAL: SS GR 316; JUNCTION: UNGROUNDED; ELECTRICAL CONNECTION: SOCKET FEMALE; MINERAL INSULATED; SIMPLEX; COMPLETE WITH H20K QUICKCONNECTOR ON COLD JUNCTION END; AMERICAN STANDARD COLOUR CODING ONLY		
<u>350</u>	0156130	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS; BAYONET LOCK TYPE; GASKET NEOPRENE; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; NO FLANGES; LIQUID FILLABLE; CASING NOT WELDED TO BOURDEN; DUVHAPOWER STATION 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY	47	EA
<u>360</u>	0156210	GAUGE, PRESSURE: RANGE: 0-1600 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BACK; MOUNT: PANEL; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS BAYONET LOCK TYPE; NEOPRENE GASKET; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT: SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; C-TUBE; PARALLEL THREAD WITH SPIGOT; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; FLANGE FRONT MOUNT WELDED TO CASING ONLY; LIQUID FILLABLE; CAS	7	EA
370	0156129	GAUGE, PRESSURE: RANGE: 0-600 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: SILICON; TYPE: BOURDON TUBE; REFERENCE NO: 0-600; BEZEL RING SS BAYONET LOCK TYPE; NEOPRENE GASKET; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK NUMERAL AND DIVISIONS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT: SS WITH INTERNAL STOPS	5	EA

		AND PREFERABLY ADJUSTABLE FROM THE BACK; C-TUBE; NO ADATOR; ACCURACY BETTER THAN 1PCT; NO FLANGES; LIQUID FILLABLE; CASING NOT WELDED TO BOURDON; 7 POINT TEST		
<u>380</u>	0156128	GAUGE, PRESSURE: RANGE: 0-400 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BACK; MOUNT: PANEL; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS BAYONET LOCK TYPE; NEORPENE GASKET; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT: SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; C-TUBE; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; FLANGE FRONT MOUNT WELDED TO CASING ONLY; LIQUID FILLABLE; CASING NOT WELDED TO BOURDON; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY; CONTROL	5	EA
<u>390</u>	0156182	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 375 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: DUPLEX, UNGROUNDED; DUPLEX; MINERAL INSULATED; WITH 40MM DIN STANDARD CERAMIC HEAD BLOCK; SPRING LOADED; CONNECTION COMPRESSION	31	EA
<u>400</u>	0156207	GAUGE, PRESSURE: RANGE: 0-100 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS; BAYONET LOCK TYPE; GASKET NEOPRENE; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; C-TUBE; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; FLANGES: FRONT PANEL WELDED TO CASE ONLY; LIQUID FILLABLE; CASING NOT WELDED TO BOURDEN; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY	5	EA
<u>410</u>	0156185	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 205 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: DUPLEX, UNGROUNDED; DUPLEX; MINERAL INSULATED; COLD JUNCTION END 40MM; DIN STD SPRINGLOADED CONNECTION BLOCK ONLY;	5	EA

		CONNECTION COMPRESSION; WIRE SIZE 1MM		
420	0154031	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1.5 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: UNGROUNDED; WITH H20K SOCKET CONNECTED, CONNECTION COMPRESSION; 5 POINT CERTIFICATE FROM 0-1100 DEG C REQUIRED	5	EA
<u>430</u>	0156172	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 375 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; SIMPLEX; MINERAL INSULATED; COLD JUNCTION END 40MM; DIN STD SPRINGLOADED CONNECTION BLOCK ONLY; CONNECTION COMPRESSION	9	EA
<u>440</u>	0156169	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 1.275 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 11 MM NPT; JUNCTION: DUPLEX, UNGROUNDED; DUPLEX; MINERAL INSULATED; DO NOT COIL; COLD JUNCTION END 40MM DIN STANDARD SPRINGLOADED; CONNECTION BLOCK ONLY; AMERICAN STANDARD COLOUR CODING ONLY; CONNECTION COMPRESSION	5	EA
<u>450</u>	0156181	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 2 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; MINERAL INSULATED; DO NOT COIL; COLD JUNCTION END 40MM DIN STANDARD; AMERICAN STANDARD COLOUR CODING ONLY; CONNECTION SPRING LOADED BLOCK ONLY	70	EA
<u>460</u>	0156207	GAUGE, PRESSURE: RANGE: 0-100 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: STAINLESS STEEL; TUBE MATERIAL: STAINLESS STEEL; CONNECTION MATERIAL: STAINLESS STEEL; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL; FILLED: SILICON; TYPE: BOURDON TUBE; BEZEL RING SS; BAYONET LOCK TYPE; GASKET NEOPRENE; WINDOW: 3MM QUALITY GLASS; BLOW-OUT DISC ON TOP OF THE CASE; DIAL WHITE WITH BLACK DIVISIONS AND NUMERALS; POINTER ALUMINIUM BLACK ADJUSTABLE; MOVEMENT SS WITH INTERNAL STOPS AND PREFERABLY ADJUSTABLE FROM THE BACK; C-TUBE; NO ADAPTOR; ACCURACY BETTER THAN 1PCT; FLANGES: FRONT PANEL WELDED TO CASE ONLY; LIQUID FILLABLE; CASING NOT WELDED TO BOURDEN; 7 POINT TEST CERTIFICATES TO BE SUPPLIED WITH EVERY DELIVERY	5	EA

## PART 3: SCOPE OF WORK

Take note that the speed limit within Duvha Power Station is 40Km/h and all vehicles should be parked in reverse at designated parking areas. The following lifesaving rules also form part of mandatory requirements to anyone entering all Eskom sites.

### LIFE-SAVING RULES

Eskom Life-Saving Rules are safety rules which shall not be broken under any circumstances. It must be highlighted that Eskom takes a ZERO TOLERANCE stance to violation of these rules. Life-saving Rules apply to all Eskom employees, agents, consultants, contractors and to any person entering Eskom sites.

Rule 1: Open, Isolate, test, earth, bond, and/or insulate before touch

Rule 2: Hook up at height

Rule 3: Buckle up

Rule 4: Be sober

Rule 5: Ensure you have a permit to work

Rule 6: Report all injuries

Rule 7: Wear correct PPE at all times

Safety is a priority for Eskom. You are expected to develop a clear understanding of the rules and to apply them at all times. You are required to actively subscribe to these rules. Adherence to safety rules is a condition of employment.

Document reference	Title	No of pages
	This cover page	1
C3.1	<i>Purchaser's</i> Goods Information	
C3.2	<i>Supplier's</i> Goods Information	
Total number of pages		

**REFER TO: price schedule**