



NEC3 Professional Services Contract (PSC3)

**Contract between Eskom Holdings SOC Ltd
(Reg No. 2002/015527/30)**

and

**for Facilitation of IEC 61850 Training courses including all
training material and support at Eskom on an “as and
when required” basis**

Contents:

**No of
pages**

Part C1 Agreements & Contract Data

[•]

Part C2 Pricing Data

[•]

Part C3 Scope of Work: The Scope

[•]

Annexure A Non-Disclosure Agreement

CONTRACT No. [46000]

PART C1: AGREEMENTS & CONTRACT DATA

Document reference	Title	No of pages
C1.1	Form of Offer & Acceptance [to be inserted from Returnable Documents at award stage]	[•]
C1.2a	Contract Data provided by the <i>Employer</i>	[•]
C1.2b	Contract Data provided by the <i>Consultant</i> [to be inserted from Returnable Documents at award stage]	[•] [•]

C1.1 Form of Offer & Acceptance

Offer

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

Facilitation of IEC 61850 Training courses including all training material and support at Eskom on an “as and when required” basis

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 *Consultant* 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 exclusive of VAT is	
(in words) Not Applicable – Cost reimbursable	

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 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 *Consultant* in the *conditions of contract* identified in the Contract Data.

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

Name &
signature of
witness

(Insert name and address of
organisation)

Date

--

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 Consultant 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 and Acceptance)	Agreements and Contract Data, (which includes this Form of Offer
Part C2	Pricing Data
Part C3	Scope of Work: The Scope

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 Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached 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 Employer'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 and signed original copy of this document, including the Schedule of Deviations (if any).

Signature(s)

Name(s)

Capacity

**for the
Employer**

Eskom Holdings SOC LTD
No. 01 Maxwell Drive
Sunninghill, Gauteng

Name &
signature of
witness

Date

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

Schedule of Deviations

Note:

1. To be completed by the Employer prior to award of contract. 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 Employer 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		

By the duly authorised representatives signing this Schedule of Deviations below, the Employer 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 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 Form shall have any meaning or effect in the contract between the parties arising from this Agreement.

For the tenderer:

For the Employer

Signature	_____	_____
Name	_____	_____
Capacity	_____	_____
On behalf of	_____	_____
Name & signature of witness	_____	_____
Date	_____	_____

C1.2 PSC3 Contract Data

Part one - Data provided by the *Employer*

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for main Option	
	dispute resolution Option and secondary Options	<p>A: Priced contract with activity schedule</p> <p>W1: Dispute resolution procedure</p> <p>X1: Price adjustment for inflation X2: Changes in the law X7: Delay damages</p> <p>X9: Transfer of rights X10: Employer's Agent X11: Termination by the <i>Employer</i> X18: Limitation of liability</p> <p>Z: Additional conditions of contract</p>
	of the NEC3 Professional Services Contract (April 2013) ¹	
10.1	The <i>Employer</i> is (Name):	Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state owned company incorporated in terms of the company laws of the Republic of South Africa
	Address	Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
	Tel No.	011 629 5158
11.2(9)	The <i>services</i> are	Facilitation of IEC 61850 Training courses including the supply of training material on an "as and when required" basis at Eskom
11.2(10)	The following matters will be included in the Risk Register	1. N/A
11.2(11)	The Scope is in	Part 3: Scope of Work

¹ Available from Engineering Contract Strategies Tel 011 803 3008 Fax 011 803 3009 and www.ecs.co.za

12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa	
13.1	The <i>language of this contract</i> is	English	
13.3	The <i>period for reply</i> is	Within 7 calendar days	
13.6	The <i>period for retention</i> is	5 years following Completion or earlier termination.	
2	The Parties' main responsibilities		
25.2	The <i>Employer</i> provides access to the following persons, places and things	access to	<i>access date</i>
		1 Eskom designated training venues/ facilities	Contract period
3	Time		
31.2	The <i>starting date</i> is.	????	
11.2(3)	The <i>completion date</i> for the whole of the <i>services</i> is.	60 months after agreed contract start date	
11.2(6)	The <i>key dates</i> and the <i>conditions</i> to be met are:	Condition to be met	<i>key date</i>
		1 N/A	[•]N/A
		2 [•]	[•]
		3 [•]	[•]
31.1	The <i>Consultant</i> is to submit a first programme for acceptance within	4 weeks of the Contract Date.	
32.2	The <i>Consultant</i> submits revised programmes at intervals no longer than	4 weeks or as agreed upon request by the Employer	
4	Quality		
40.2	The quality policy statement and quality plan are provided within	4 weeks of the Contract Date.	
42.2	The <i>defects date</i> is	52 Weeks after completion of the whole of each <i>service</i> executed.	
5	Payment		
50.1	The <i>assessment interval</i> is	Between the 25 th day of each successive month	
50.3	The <i>expenses</i> stated by the <i>Employer</i> are	Item	Amount
		[•]	[•]
		[•]	[•]

		[•]	[•]
		[•]	[•]
51.1	The period within which payments are made is	4 weeks upon submission of a Tax Compliant Certified Invoice to Eskom Financial Shared Services.	
51.2	The <i>currency of this contract</i> is the	South African Rand	
51.5	The <i>interest rate</i> is	the publicly quoted prime rate of interest charged by Standard Bank of South Africa Limited at the time an amount payable in SA Rand was due,	
6	Compensation events	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.	
7	Rights to material	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.	
8	Indemnity, insurance and liability	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.	
82.1	The <i>Consultant's</i> total liability to the <i>Employer</i> for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	The total loss suffered by the Employer as a result of incorrect data provided to the Employer by the Professional Services Provider.	
9	Termination	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.	
10	Data for main Option clause		
G	Term contract		
21.4	The <i>Consultant</i> prepares forecasts of the total Time Charge and <i>expenses</i> at intervals no longer than	4 weeks.	
50.4	The <i>exchange rates</i> are those published in	Not Applicable	
11	Data for Option W1		

W1.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
W1.2(3)	The <i>adjudicator nominating body</i> is:	the Chairman of the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering. (See www.ice-sa.org.za).
W1.4(2)	The <i>tribunal</i> is:	arbitration
W1.4(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.
	The place where arbitration is to be held is	Sandton, South Africa
	The person or organisation who will choose an arbitrator	the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.
	<ul style="list-style-type: none"> if the Parties cannot agree a choice or if the <i>arbitration procedure</i> does not state who selects an arbitrator, is 	
12	Data for secondary Option clauses	
X1	Price adjustment for inflation	
X1.1	The index is	Consumer Price Index (CPI)
X2	Changes in the law	
X2.1	The law of the project is	Any law within the Republic of South Africa which applies to the Consultant's providing the services
X7	Delay damages	
X7.1	Delay damages for late Completion of the whole of the services	Minimum of 2% to a maximum of 5% per delay per day
X9	Transfer of rights	
		There is no reference to Contract Data in this Option and terms in italics used in this Option are identified elsewhere in this Contract Data.
X10	The <i>Employer's Agent</i>	
X10.1	The <i>Employer's Agent</i> is	

	Name:	Thabisile Hleza
	Address	Eskom Innovation and Research Centre, Lower Germiston Road, Cleveland
	Telephone Number	
	Cellphone Number	
	The authority of the <i>Employer's Agent</i> is	To carry out all actions of the Employer in this contract with the exception of those required by clause 51.1 and 81.1
X11	Termination by the <i>Employer</i>	There is no reference to Contract Data in this Option and terms in italics used in this Option are identified elsewhere in this Contract Data.
X18	Limitation of liability	
X18.1	The <i>Consultant's</i> liability to the <i>Employer</i> for indirect or consequential loss is limited to:	R0.0 (Zero Rand).
X18.2	The <i>Consultant's</i> liability to the <i>Employer</i> for Defects that are not found until after the <i>defects date</i> is limited to:	The total of the Prices
X18.3	The <i>end of liability date</i> is	five years after Completion of the whole of the services/task order.
Z	The <i>Additional conditions of contract</i> are	Z1 to Z11 always apply.

Z1 Cession delegation and assignment

- Z1.1 The *Consultant* does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the *Employer*.
- Z1.2 Notwithstanding the above, the *Employer* may on written notice to the *Consultant* 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.

Z2 Joint ventures

- Z2.1 If the *Consultant* 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 *Employer* for the performance of this contract.
- Z2.2 Unless already notified to the *Employer*, the persons or organisations notify the *Employer* within two weeks of the Contract Date of the key person who has the authority to bind the *Consultant* on their behalf.

- Z2.3 The *Consultant* does not alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without the consent of the *Employer* having been given to the *Consultant* in writing.

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

- Z3.1 Where a change in the *Consultant's* legal status, ownership or any other change to his business composition or business dealings results in a change to the *Consultant's* B-BBEE status, the *Consultant* notifies the *Employer* within seven days of the change.
- Z3.2 The *Consultant* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Employer* within thirty days of the notification or as otherwise instructed by the *Employer*.
- Z3.3 Where, as a result, the *Consultant's* B-BBEE status has decreased since the Contract Date the *Employer* may either re-negotiate this contract or alternatively, terminate the *Consultant's* obligation to Provide the Services.
- Z3.4 Failure by the *Consultant* to notify the *Employer* of a change in its B-BBEE status may constitute a reason for termination. If the *Employer* terminates in terms of this clause, the procedures on termination are those stated in core clause 91. The payment on termination includes a deduction of the forecast of the additional cost to the *Employer* of completing the whole of the services in addition to the amounts due in terms of core clause 92.1.

Z4 Confidentiality

- Z4.1 The *Consultant* 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 *Consultant*, enters the public domain or to information which was already in the possession of the *Consultant* at the time of disclosure (evidenced by written records in existence at that time). Should the *Consultant* disclose information to Others in terms of clause 23.1, the *Consultant* ensures that the provisions of this clause are complied with by the recipient.
- Z4.2 If the *Consultant* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Employer*.
- Z4.3 In the event that the *Consultant* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Consultant*, to the extent permitted by law prior to disclosure, notifies the *Employer* 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 *Consultant* 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.
- Z4.4 The taking of images (whether photographs, video footage or otherwise) of the *Employer's* project works or any portion thereof, in the course of Providing the Services and after Completion, requires the prior written consent of the *Employer*. All rights in and to all such images vests exclusively in the *Employer*.

Z5 Waiver and estoppel: Add to core clause 12.3:

- Z5.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, 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.

Z6 Provision of a Tax Invoice. Add to core clause 51

- Z6.1 The *Consultant* (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 *Employer's* VAT number 4740101508 on each invoice he submits for payment.

Z7 Notifying compensation events

- Z7.1 Delete from the last sentence in core clause 61.3, "unless the *Employer* should have notified the event to the *Consultant* but did not".

Z8 *Employer's* limitation of liability

- Z8.1 The *Employer's* liability to the *Consultant* for the *Consultant's* indirect or consequential loss is limited to R0.00 (zero Rand)

Z9 Termination: Add to core clause 90.1, at the second main bullet point, fourth sub-bullet point, after the words "against it":

- Z9.1 or had a business rescue order granted against it.

Z10 Delay damages: Addition to secondary Option X7 Delay damages (if applicable in this contract)

- Z10.1 If the *Consultant's* payment of delay damages reaches the limits stated in this Contract Data for Option X7 or Options X5 and X7 used together, the *Employer* may terminate the *Consultant's* obligation to Provide the Services.
- Z10.2 If the *Employer* terminates in terms of this clause, the procedures on termination are those stated in core clause 91. The payment on termination includes a deduction of the forecast of the additional cost to the *Employer* of completing the whole of the *services* in addition to the amounts due in terms of core clause 92.1.

Z11 Ethics

For the purposes of this Z-clause, the following definitions apply:

Affected Party means, as the context requires, any party, irrespective of whether it is the *Consultant* or a third party, such party's employees, agents, or Subconsultants

or Subconsultant's employees, or any one or more of all of these parties' relatives or friends,

Coercive Action	means to harm or threaten to harm, directly or indirectly, an Affected Party or the property of an Affected Party, or to otherwise influence or attempt to influence an Affected Party to act unlawfully or illegally,
Collusive Action	means where two or more parties co-operate to achieve an unlawful or illegal purpose, including to influence an Affected Party to act unlawfully or illegally,
Committing Party	means, as the context requires, the <i>Consultant</i> , or any member thereof in the case of a joint venture, or its employees, agents, or Subconsultants or the Subconsultant's employees,
Corrupt Action	means the offering, giving, taking, or soliciting, directly or indirectly, of a good or service to unlawfully or illegally influence the actions of an Affected Party,
Fraudulent Action	means any unlawfully or illegally intentional act or omission that misleads, or attempts to mislead, an Affected Party, in order to obtain a financial or other benefit or to avoid an obligation or incurring an obligation,
Obstructive Action	means a Committing Party unlawfully or illegally destroying, falsifying, altering or concealing information or making false statements to materially impede an investigation into allegations of Prohibited Action, and
Prohibited Action	means any one or more of a Coercive Action, Collusive Action Corrupt Action, Fraudulent Action or Obstructive Action.

- Z11.1 A Committing Party may not take any Prohibited Action during the course of the procurement of this contract or in execution thereof.
- Z11.2 The *Employer* may terminate the *Consultant's* obligation to Provide the Services if a Committing Party has taken such Prohibited Action and the *Consultant* did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the *Employer* has. It is not required that the Committing Party had to have been found guilty, in court or in any other similar process, of such Prohibited Action before the *Employer* can terminate the *Consultant's* obligation to Provide the Services for this reason.
- Z11.3 If the *Employer* terminates the *Consultant's* obligation to Provide the Services for this reason, the amounts due on termination are those intended in core clauses 92.1 and 92.2.
- Z11.4 A Committing Party co-operates fully with any investigation pursuant to alleged Prohibited Action. Where the *Employer* does not have a contractual bond with the Committing Party, the *Consultant* ensures that the Committing Party co-operates fully with an investigation.

C1.2 Contract Data

Part two - Data provided by the *Consultant*

Clause	Statement	Data	
10.1	The <i>Consultant</i> is (Name): Address Tel No. Fax No.		
22.1	The <i>key people</i> are: 1 Name: Job: Responsibilities: Qualifications: Experience: 2 Name: Job: Responsibilities: Qualifications: Experience:		
Only if required		CV's (and further <i>key persons</i> data including CVs) are appended to Tender Schedule entitled .	
11.2(3)	The <i>completion date</i> for the whole of the <i>services</i> is		
11.2(10)	The following matters will be included in the Risk Register		
11.2(13)	The <i>staff rates</i> are:	name/designation	rate
	Either complete here or cross refer to a schedule in Part C2.2	refer to a schedule in Part C2.2	refer to a schedule in Part C2.2
25.2	The <i>Employer</i> provides access to the following persons, places and things	access to	<i>access date</i>
		1	
		2	

		3	
31.1	The programme identified in the Contract Data is		
50.3	The <i>expenses</i> stated by the <i>Consultant</i> are	item	amount
G	Term contract		
11.2(25)	The <i>task schedule</i> is in		

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PART 2: PRICING DATA
PSC3 Option G

Document reference	Title	No of pages
C2.1	Pricing assumptions : Option G	[•]
C2.2	<i>Staff rates, expenses and the task schedule.</i>	[•]

C2.1 Pricing assumptions: Option G

How work is priced and assessed for payment

From Option G: Term contract

Identified and defined terms	11	
	11.2	(17) The Price for Services Provided to Date is, for each Task, the total of <ul style="list-style-type: none"> the Time Charge for work which has been completed on time based items on the Task Schedule and a proportion of the lump sum price for each other item on the Task Schedule which is the proportion of work completed on that item.
		(20) The Prices are <ul style="list-style-type: none"> the Time Charge for items described as time based on the Task Schedule and the lump sum price in the Task Schedule for each other item.

From the Core Clauses:

Identified and defined terms	11.2	(13) The Time Charge is the sum of the products of each of the <i>staff rates</i> multiplied by the total staff time appropriate to that rate properly spent on work in this contract.
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and

Assessing the amount due	50.3	The amount due is <ul style="list-style-type: none"> the Price for Services Provided to Date, the amount of the <i>expenses</i> properly spent by the <i>Consultant</i> in Providing the Services and other amounts to be paid to the <i>Consultant</i> less amounts to be paid by or retained from the <i>Consultant</i>. <p>Any tax which the law requires the <i>Employer</i> to pay to the <i>Consultant</i> is included in the amount due.</p>
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In effect Option G is a cost reimbursable form of contract with work ordered by the *Employer* on a Task by Task basis using the Task Schedule to compile the cost of carrying out a Task.

Expenses are calculated separately and added to the amount due for the services provided.

Staff rates and expenses

Tendering consultants are advised to consult the NEC3 Professional Services Contract

Guidance Notes before entering *staff rates* into Contract Data, or in section C2.2 which follows.

This is because *staff rates* can be established in one of three ways:

- rates for named staff,
- rates for categories of staff, or
- rates related to salaries paid to staff.

Rate adjustment for inflation, if necessary, can be based either on actual salary adjustments or by using Option X1: Price adjustment for inflation. See pages 13 and 14 of the PSC3 Guidance Notes.

Expenses associated with employing a staff member in Providing the Services can be listed separately either by the *Employer* in Contract Data provided by the *Employer* or by the *Consultant* in Contract Data provided by the *Consultant*.

As only the *expenses* listed may be claimed by the *Consultant*, all other cost to the *Consultant* associated with Providing the Services must be included within the *staff rates*.

Rate adjustment for inflation of *expenses* is explained on page 15 of the PSC3 Guidance Notes.

The function of the Task Schedule

The Task Schedule may include items of work to be paid for on a rate (Time Charge) or on a lump sum price for the item. Any work ordered during the term of the contract – i. e. before the Completion Date – for which there is no priced item in the Task Schedule is priced using the compensation event procedure and the resulting Price is added into the Price List.

The *task schedule* is prepared by the *Employer* for the *Consultant* to price, or may be prepared jointly with the *Consultant*. It is typically priced in two parts as items of work to be carried out on a time basis and lump sum prices for other items of work. The task schedule must be as complete as possible and fully representative of all the work and *services* which the *Employer* may require the *Consultant* to carry out. The only unknown is when the work is to be carried out; the Task Order will be used to instruct when work to be done.

C2.2 Staff rates, expenses & the task schedule

This section can be used when the *staff rates* and *expenses* are considerable in number and more conveniently located here than in the Contract Data. Entries in the Contract Data should refer to this section of Part 2.

The *staff rates* and *expenses* must exclude VAT.

Description	Duration	Cost per delegate	Total Cost per course	Events per year	Total cost for 5 years
Industrial Ethernet, TCP/IP and introduction to substation automation	5 days				
Advanced networking concepts and detailed substation automation based on IEC 61850	5 days				
Total for 5-year contract					

Notes:

- All prices should exclude VAT.
- Prices will be fixed and firm for the first 12 months then the applicable escalation indices will be used thereafter.

Document reference	Title	No of pages
	This cover page	1
C3.1	<i>Employer's Scope</i>	
C3.2	<i>Consultant's Scope</i>	
	Total number of pages	

C3.1: EMPLOYER'S SCOPE

Contents

Description of the services

Facilitation of the Industrial Ethernet, TCP/IP and introduction to substation automation and Advanced networking concepts and detailed substation automation based on IEC 61850 courses ; as well as provide all the training and supporting material for the period of 5 years to Eskom.

Executive overview

Industrial Networking and TCP/IP Training course:

The course must cover the basic and advanced networking topics related to Ethernet and TCP/IP networks with an emphasis on industrial and substation network architectures which includes all the latest theories relating to the topic and the practical sessions.

The content should include:

- Data communications and Networking: Communication fundamentals, the OSI reference model, network topologies, LANs
- Introduction, overview and History of Ethernet: Ethernet history, standards, Ethernet operation, CSMA/CD
- Practical User cases (Eskom Transmission and Distribution architectures)
- General Troubleshooting techniques
- Networking configuration and fault-finding tools
- SNMP/NMS
- Cybersecurity fundamentals (philosophy)
- Recovery and load balancing techniques (RSTP/MSTP)
- Routing redundancy techniques (VRRP)

Substation Automation Using IEC 61850

The course must cover the IEC 61850 standard in depth and also look at the standard from numerous perspectives including all the latest theories relating to the topic. The course must also have a practical component.

The content should include:

- Introduction to substation automation and IEC 61850
- Concepts involved in automating power distribution and transmission networks
- New techniques in protection using intelligent relays
- Substation automation – untapped value
- Local intelligent and intelligent electronic devices (IEDs)
- What is IEC 61850?
- Development of IEC 61850
- How is IEC 61850 different from current protocols in use today?
- Structure of the Specification
- Other important referenced standards
- Is IEC 61850 a viable architecture for the future?
- Benefits of IEC 61850
- Remote access and corporate network connectivity

Interpretation and terminology

The following abbreviations are used in this Scope:

N/A

Specification and description of the services

Facilitation of the Industrial Ethernet, TCP/IP and introduction to substation automation and Advanced networking concepts and detailed substation automation based on IEC 61850 courses ; as well as provide all the training and supporting material for the period of 5 years to Eskom.

Constraints on how the *Consultant* Provides the Services.

Management meetings

The *conditions of contract* (e.g. Clause 15.2) and other sections of this Scope may require that a meeting be held. However the intention of all NEC contracts is that the Parties and their agents use the techniques of partnering to manage the contract by holding meetings designed to pro actively and jointly manage the administration of the contract with the objective of minimising the adverse effects of risks and surprises for both Parties.

Depending on the size and complexity of the *services*, it is probably beneficial for the *Employer's Agent* to hold a weekly risk register meeting (Clause 15.2). This could be used to discuss compensation events, subconsulting, overall co-ordination and other matters of a general nature. Separate meetings for specialist activities such as programming and activities of a technical nature may also be warranted.

Describe here the general meetings and their purpose. Provide particulars of approximate times, days, location, and attendance requirements, stipulating those attendees shall have the necessary delegated authority to make decisions in respect of matters discussed at such meetings. The following text could be used as a model for this section:

Regular meetings of a general nature may be convened and chaired by the *Employer's Agent* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	Weekly on _____ at _____	【●】	【●】
Overall contract progress and feedback	Monthly on _____ at _____	【●】	<i>Employer's Agent</i> , <i>Consultant</i> and 【●】____

Meetings of a specialist nature may be convened as specified elsewhere in this Scope or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the *services*. Records of these meetings shall be submitted to the *Employer's Agent* by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of

confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

Consultant's key persons

State any additional constraining requirements on *Consultant's key persons* over and above those already stated in clause 22.1 or in the Contract Data. Such as need to notify contact details, leave and mentoring requirements where applicable. This section could be used to solicit an organogramme from the *Consultant* showing his people and their lines of authority / communication. This would be essential if the *Consultant* is a Joint Venture.

Provision of bonds and guarantees

The form in which a bond or guarantee required by the *conditions of contract* (if any) is to be provided by the *Consultant* is given in Part 1 Agreements and Contract Data, document C1.3, Sureties.

The *Employer* may withhold payment of amounts due to the *Consultant* until the bond or guarantee required in terms of this contract has been received and accepted by the person notified to the *Consultant* by the *Employer's Agent* to receive and accept such bond or guarantee. Such withholding of payment due to the *Consultant* does not affect the *Employer's* right to termination stated in this contract.

Documentation control and retention

Retention of documents

All documentation related to this contract must be retained for a 5 year period.

Invoicing and payment

The following details shall be shown on or attached to each Invoice to show how the amount due has been assessed:

The *Consultant* shall address the tax invoice to **Eskom Holdings SOC Limited** and include on it the following information:

Name and address of the *Consultant* and the *Employer*;

The contract number and title;

Consultant's VAT registration number;

The *Employer's* VAT registration number 4740101508;

Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;

Date of the invoice

Purchase Order number

Goods Receipt Number

Description of the services and quantities

Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;

Goods Receipt Number

In terms of core clause 50 the Supplier assesses the amount due and applies to the Purchaser for payment. The Supplier applies for payment with a tax invoice addressed to the Purchaser as follows:

The Supplier includes the following information on each tax invoice:

- Name and address of the Supplier
- The contract number and title;
- Supplier's VAT registration number;
- The Purchaser's VAT registration number which is Please include Eskom VAT Number;
- The total of
- The Price for each lump sum item in the Price Schedule or Batch Order which the Supplier has completed;
- Where a quantity is stated for an item in the Price Schedule or Batch Order, an amount calculated by multiplying the quantity which the Supplier has completed by the rate,
- Other amounts to be paid to the Supplier;
- Less amounts to be paid by or retained from the Supplier;
- The invoiced amount - excluding VAT, the VAT and including VAT;
- (add other as required)

SENDING INVOICES ELECTRONICALLY

In an endeavor to reduce the time it takes to pay suppliers, Eskom is enhancing its processes to move submission of invoices from manual to electronic submission via email.

Invoices can be submitted using the emails below. Ensure you pick the right email address as there are different emails addresses.

Details on how to submit invoices and additional information:

Ensure that the Eskom order number is clearly indicated on your invoice together with the line number on the order you are billing for.

All Electronic invoices must be sent in PDF format only.

Each PDF file should contain one invoice; or one debit note; or one credit note only as Eskom's SAP system does not support more than one PDF being linked into workflow at a time.

Only one PDF file per email. (one invoice or debit note or credit note)

Send all invoices in PDF straight from your system to an Eskom email address (see email addresses below)

For Foreign invoices, suppliers will still be required to physically deliver hard copies of original documents to the respective documentation management centers even though you have e-mailed those invoices (Eskom is still seeking clarity from the South African Reserve Bank regarding e-invoicing for Foreign Invoices or invoices in foreign currency. Current requirements are that these manual invoices should still be submitted. You can send the invoice copy to the email addresses indicated below).

Please ensure that you comply with the tax Requirement for submitting invoices electronically.

If there is Cost Price Adjustment (CPA) on your invoice we recommend that you issue a separate invoice for CPA so that if there are any issues on the CPA the rest of the invoice can be paid while resolving the CPA issues.

- Introduction of electronic invoicing does not guarantee payment but will ensure visibility of all invoices and ensure that no invoices get lost. If the goods receipt is not done the invoice will be parked and the system will automatically send an e-mail to the end user to do the goods receipt. This is also tracked by Eskom through the park invoice report.

- Your company can request a park invoice report from the Finance Shared Services (FSS) contact center which can then be followed up and corrected. You are welcome to forward the details of invoices corrected to the FSS contact center.

Email addresses for invoice submission:

Local Eskom invoices excluding Primary Energy, Group Capital, Eskom Enterprises and Eskom Development Foundation: invoiceseskomlocal@eskom.co.za

Foreign Eskom invoices excluding Primary Energy, Group Capital, Eskom Enterprises and Eskom Development Foundation: invoiceseskomforeign@eskom.co.za

Primary Energy invoices: invoicesprimaryenergy@eskom.co.za

Group Capital Power Delivery Projects (PDP): invoicesgrpcapitalPDP@eskom.co.za

Group Capital Medupi, HO, PDD: invoicesgrpcapitalMHP@eskom.co.za

Group Capital Mphum & Komati Project: invoicesgrpcapitalOTH@eskom.co.za

Group Capital Kusile & Peaking: invoicesgrpcapitalKCT@eskom.co.za

Eskom Enterprises: invoiceseskomenterprises@eskom.co.za

Eskom Development foundation: invoicesdevfoundation@eskom.co.za

You do not require a goods receipt (GR) number to submit your invoices. When the GR number is received you can then send the GR number to the FSS contact center at FSS@eskom.co.za or 011 800 5060.

All queries and follow up on invoice payments should be made by contacting the FSS Contact Centre:

- Tel: +27 11 800 5060
- e-mail: fss@eskom.co.za

Inclusions in the programme

First read clause 31.2 and then include here any matters regarding the order and timing of the work of the *Employer* and Others which the *Consultant* is take account of in his programme. Also describe any information other than that already requested in clause 31.2 which the *Consultant* is to show on each programme he submits for acceptance.

Quality management

System requirements

Clause 40.1 requires that the *Consultant* operate a quality management system as stated in the Scope. Include your requirements here

Information in the quality plan

Clause 40.2 requires that the *Consultant* provide a quality policy statement and quality plan which complies with requirements stated in the Scope. Include your requirements here

Transfer of rights if Option X 9 applies

There are no exceptions. All rights and ownership will transfer to the Employer upon acceptance and handover of the material with no cost implications apart from the cost of developing the material.

Management of work done by Task Order

Only use this heading if main Option G applies to this contract.

Please read Option G before drafting requirements here as much of the procedure for the use of Task Orders is already provided in Option G. For example clause 55.1 specifies what a Task Order should include.

Information included here could be:

That Task Orders will be prepared in the format stated in an Annexure attached to the Scope

What the basis or formula will be for calculation of delay damages for a Task Order (if required).

How expenses for a Task will be assessed and managed.

(etc)

Health and safety

Clause 25.4 states that the *Consultant* acts in accordance with the health and safety requirements stated in the Scope. It is suggested that this part of the Scope address how the *Consultant* acts when doing his *services*. These requirements may be no more than just complying with the law. However if the *Consultant* is required to work on Eskom premises, then whatever requirements which personnel working in those premises need to comply with should be included here or referred to in an Annexure.

If when doing his *services* the *Consultant* is required to carry out a design which needs to take account of certain health and safety criteria, then this should be included in the specification of that design service stated elsewhere in the Scope. A draft for this section could start as follows:

The *Consultant* shall at all times comply with the health and safety requirements prescribed by law as they may apply to the *services*.

[If the *Consultant* may be required to work on Eskom premises, such as a power station, where health and safety requirements additional to those prescribed by law apply, specify these here or state,

The *Consultant* shall comply with the health and safety requirements contained in Annexure _____ to this Scope.]

Procurement

BBBEE and preferencing scheme

Specify constraints which *Consultant* must comply with after contract award in regard to any Broad Based Black Economic Empowerment (B-BBEE) or preferencing scheme measures.

Other constraints

Preferred subconsultants

PSC3 does not make use of nominated subconsultants but the *Employer* may list which subconsultants or suppliers the *Consultant* is required to enter into subcontracts with. This is usually only required where very specialist services need to be obtained from a particular supplier or group of suppliers in order to comply with operational standards.

Subcontract documentation, and assessment of subcontract tenders

Specify any constraints on how the *Consultant* is to prepare subcontract documentation, whether use of the NEC3 system is compulsory or not (compulsory is recommended) and how subcontract tenders are to be issued, received, assessed (using a joint report?) and awarded.

Limitations on subcontracting

The *Employer* may require that the *Consultant* must subcontract certain specialised work, or that the *Consultant* shall not subcontract more than a specified proportion of the whole of the contract.

Working on the *Employer's* property

This part of the Scope addresses constraints, facilities, services and rules applicable to the *Consultant* whilst he is doing work on the *Employer's* property. Delete this section if not applicable.

***Employer's* entry and security control, permits, and site regulations**

Sites such as Koeberg Nuclear Power Station have very strict entrance requirements which tendering consultants need to allow for in their prices, and the *Consultant* has to comply with. State these or similar requirements here. In addition to the above there may be other restrictions once on the site.

People restrictions, hours of work, conduct and records

Restrictions and hours of work may apply on some sites. It is very important that the *Consultant* keeps records of his people working on the *Employer's* property, including those of his Subconsultants. State that the *Employer's Agent* shall have access to these records at any time. These records may be needed when assessing compensation events.

Cooperating with and obtaining acceptance of Others

N/A

Things provided by the *Employer*

Eskom the Employer will provide:

- Access to facilities as and when required
- Eskom infrastructure data
- Results of previous scans

Cataloguing requirements by the *Consultant*

State whether cataloguing is applicable, if it is, reference the requirements for cataloguing that need to be satisfied by the *Consultant* (consult Procurement Instruction Number 1 of 2018 – Incorporating Cataloguing into the Procurement Environment, Unique Identifier 240-1289988974).

List of drawings

Drawings issued by the *Employer*

N/A