



PART 2: PRICING DATA

Document reference	Title	No of pages
C2.1	Pricing instructions: Option A	2
C2.2	Activity Schedule	4

C2.1 Pricing Instructions: Option A

1. The *conditions of contract*

1.1. How the contract prices work and assesses it for progress payments

Clause 11 in NEC3 Engineering and Construction Contract, June 2005, (with amendments June 2006 and April 2013) (ECC) Option A states:

Identified and defined terms

- 11 (20) The Activity Schedule is the *activity schedule* unless later changed in accordance with this contract.
- 11.2 (22) Defined Cost is the cost of the components in the Shorter Schedule of Cost Components whether work is subcontracted or not excluding the cost of preparing quotations for compensation events.
- (27) The Price for Work Done to Date is the total of the Prices for
- each group of completed activities and
 - each completed activity which is not in a group
- A completed activity is one which is without Defects which would either delay or be covered by immediately following work.
- (30) The Prices are the lump sums for each of the activities on the Activity Schedule unless later changed in accordance with this contract.

1.2. Measurement and Payment

- 1.2.1 The Activity Schedule provides the basis of all valuations of the Price for Work Done to Date, payments in multiple currencies, price adjustments for inflation and general progress monitoring.
- 1.2.2 The amount due at each assessment date is based on **completed activities and/or milestones** as indicated on the Activity Schedule.
- 1.2.3 The Activity Schedule work breakdown structure provided by the *Contractor* is based on the Activity Schedule provided by the *Employer*. The activities listed by the *Employer* are the minimum activities acceptable and identify the specific activities which are required to achieve Completion. The activity schedule work breakdown structure is compiled to the satisfaction of the *Project Manager* with any additions and/or amendments deemed necessary.
- 1.2.4 The *Contractor's* detailed Activity Schedule summates back to the Activity Schedule provided by the *Employer* and is in sufficient detail to monitor completion of activities related to the Accepted Programme in order that payment of completed activities may be assessed.
- 1.2.5 The short descriptions in the Activity Schedule are for identification purposes only. All work described in the Works Information is deemed included in the activities.

- 1.2.6 The Activity Schedule is integrated with the Prices, Accepted Programme and where required the forecast rate of payment schedule.
- 1.2.7 Activities in multiple currencies are separately identified on both the Activity Schedule and the Accepted Programme for each currency.
- 1.2.8 The tendered total of the prices as stated in the Contract Data is obtained from the Activity Schedule summary. The tendered total of the prices includes for all direct and indirect costs, overheads, profits, risks, liabilities and obligations relative to the Contract.

C2.2 Activity Schedule

The Tenderer details his Activity Schedule below or makes reference to his Activity Schedule and attaches it to this schedule.

The details given below serve as guidelines only and the Tenderer may split or combine the activities to suit his particular methods.

Item umbe	Description	Unit	Qty	Rate	Price
A	Potchefstroom 3kV DC Substation RUA				
1	Dismantle, remove, and transport all old equipment from site to Millsite depot.	sum	1		
2	Supply and install 21 core 2.5 mm ² (25 meters) from the PCB control cabinet to control panel inside the substation.	Ea.	1		
3	Supply and install four core 4 mm ² size cables (50 meters) from the PCB control cabinet to control panel inside the substation.	m	50		
4	Supply and install the flying jumper cable 26 sq (3.5 meters) from the PCB to Main traction Transformer bushings (Aluminium centerpede conductor)	m	15		
5	Supply control box with operating mechanism for PCB.	Ea.	1		
6	Cast new foundation and structure for the new SF6 gas filled primary circuit breakers	Ea.	1		
7	Supply and deliver high voltage SF6 gas filled 88 kV primary circuit breakers with its associated operating box	Ea.	1		
8	Electrically connect the new installed equipment to the existing earth system	Ea.	1		
9	Installation, Testing and Pre-commissioning.	sum	1		
10	Preliminary & General	sum	1		
11	Security	sum	1		
	Total Price Before VAT =			R	
	VAT (15%) =			R	
	Total Inclusive of 15% VAT =			R	

Transnet Freight Rail

Contract Number: CRAC-KGG-45446

Description of the Works: Supply, Install, Test and Commission SF6 Gas Filled Primary Circuit Breakers and Repair Transformer Oil Leaks for 3kv Traction Substation

Item numb	Description	Unit	Qty.	Rate	Price
B	POTCHEFSTROOM 132KV TRANSFORMER RUB				
1	Re-gasket inspection covers	sum	6		
2	Re-gasket secondary bushings	sum	9		
3	Re-gasket top cover	sum	1		
4	Replace oil and winding temperature gauges	sum	2		
5	Replace silica gel in breather (blue)	sum	1		
6	Clean, Regasket and service the Bucholz relay	sum	1		
7	Re-gasket conservator tank, replace site glass and spray paint (White)	sum	1		
8	Chemically clean transformer and spray paint (Grey)	sum	1		
9	Supply 4 drums of new oil	L	840		
10	Oil Purification (oil sample before and after purification: Test dissolved gases, dielectric strength, acidity, PCB, Furanic, Moisture and supply Transnet with tests certificates)	sum	1		
11	Remove the contaminated soil and disposed as per environmental regulations.	sum	1		
12	Rehabilitate the contaminated soil around the transformer by supplying 2m³ ballast to replace oil polluted soil and ballast (26.5 mm)	sum	1		
13	Test & Commission	sum	1		
14	Supply and deliver 4mm² squared 4 core cable to Potchefstroom substation	Meter	50		
15	Labour	sum	1		
16	P's & G's (Travel Km)	sum	1		



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	Total Price Before VAT =	R
	VAT (15%) =	R
	Total Inclusive of 15% VAT =	R