

The Refurbishment and Delivery of Turbine Auxilliary Oil Pumps - Seal Oil Pumps, Seal oil Vacuum Pumps, Stator Coolant Pumps and Ammonia Dosing Pumps at Grootvlei Power Station**PART 2: PRICING DATA****TSC3 Option A**

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C2.1 Pricing assumptions: Option A

1. How work is priced and assessed for payment

Clause 11 in NEC3 Term Service Contract (TSC3) core clauses and Option A states:

Identified and defined terms	11 11.2	(12) The Price List is the <i>price list</i> unless later changed in accordance with this contract. (17) The Price for Services Provided to Date is the total of <ul style="list-style-type: none"> • the Price for each lump sum item in the Price List which the <i>Contractor</i> has completed and • where a quantity is stated for an item in the Price List, an amount calculated by multiplying the quantity which the <i>Contractor</i> has completed by the rate. (19) The Prices are the amounts stated in the Price column of the Price List. Where a quantity is stated for an item in the Price List, the Price is calculated by multiplying the quantity by the rate.
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This confirms that Option A is a priced contract where the Prices are derived from a list of items of service which can be priced as lump sums or as expected quantities of service multiplied by a rate or a mix of both.

2. Function of the Price List

Clause 54.1 in Option A states: "Information in the Price List is not Service Information". This confirms that instructions to do work or how it is to be done are not included in the Price List but in the Service Information. This is further confirmed by Clause 20.1 which states, "The *Contractor* Provides the Service in accordance with the Service Information". Hence the *Contractor* does **not** Provide the Service in accordance with the Price List. The Price List is only a pricing document.

3. Link to the *Contractor's* plan

Clause 21.4 states "The *Contractor* provides information which shows how each item description on the Price List relates to the operations on each plan which he submits for acceptance". Hence when compiling the *price list*, the tendering contractor needs to develop his first clause 21.2 plan in such a way that operations shown on it can be priced in the *price list* and result in a satisfactory cash flow in terms of clause 11.2(17).

4. Preparing the *price list*

Before preparing the *price list*, both the *Employer* and tendering contractors should read the TSC3 Guidance Notes pages 14 and 15. In an Option A contract, either Party may have entered items into the *price list* either as a process of offer and acceptance (tendering) or by negotiation depending on the nature of the *service* to be provided. Alternatively the *Employer*, in his Instructions to Tenderers or in a Tender Schedule, may have listed some items that he requires the *Contractor* to include in the *price list* to be prepared and priced by him.

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It is assumed that in preparing or finalising the *price list* the *Contractor*:

- Has taken account of the guidance given in the TSC3 Guidance Notes relevant to Option A;
- Understands the function of the Price List and how work is priced and paid for;
- Is aware of the need to link operations shown in his plan to items shown in the Price List;
- Has listed and priced items in the *price list* which are inclusive of everything necessary and incidental to Providing the Service in accordance with the Service Information, as it was at the time of tender, as well as correct any Defects not caused by an *Employer's* risk;
- Has priced work he decides not to show as a separate item within the Prices or rates of other listed items in order to fulfil the obligation to complete the *service* for the tendered total of the Prices.
- Understands there is no adjustment to items priced as lump sums if the amount, or quantity, of work within that item later turns out to be different to that which the *Contractor* estimated at time of tender. The only basis for a change to the (lump sum) Prices is as a result of a compensation event.

4.1. Format of the *price list*

(From the example given in an Appendix within the TSC3 Guidance Notes)

Entries in the first four columns in the *price list* in section C2.2 are made either by the *Employer* or the tendering contractor.

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

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

If the *Contractor* is to be paid a Price for an item proportional to the length of time for which a service is provided, a unit of time is stated in the Unit column and the expected length of time (as a quantity of the stated units of time) is stated in the Expected Quantity column.

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C2.2 the *price list*

1. REFURBISHMENT:

Item nr	Description	Unit	Expected Quantity	Service in 5 years for all 3 units)	Rate	Price
1	Seal oil pumps					
	Collecting the damaged pumps from Grootvlei Power Station,	EA	9			
	Transporting them to the Contractors workshop,		9			
	Refurbish the pump.		9			
	Strip, clean and return clearances to design specifications.		9			
	PT rotating components, casings. Repair or manufacture new components and casings if necessary.		9			
	Perform shaft run out, metal spray shaft and machine to size if required.		9			
	Replace seals.		9			
	Replace mechanical seals.		9			
	Replace O-rings		9			
	Replace the pump impeller if required.		9			
	Replace bearings.		9			
	Check impellor to wear ring clearance,		9			
	Replace wear rings if required.		9			
	Box up the pump according to its design clearances		9			
	Static pressure test.		9			
	Assessing a damage, and issue damaged report		9			
	Submitting prices as per the price list for assessment,		9			
	Repairing the damage,		9			
	Transporting and delivering of the		9			

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	Generator Aux oil Pumps to the Grootvlei Power Station workshop after refurbishment.					
	Collecting the damaged pumps from Grootvlei Power Station,		9			
	Transporting them to the Contractors workshop,		9			

The total of the Prices

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Item nr	Description	Unit	Expected Quantity	Service in 5 years for all 3 units)	Rate	Price
2	Seal oil Vacuum					
	Collecting the damaged pumps from Grootvlei Power Station,	EA	9			
	Transporting them to the Contractors workshop,		9			
	Refurbish the pump.		9			
	Strip, clean and return clearances to design specifications.		9			
	PT rotating components, casings. Repair or manufacture new components and casings if necessary.		9			
	Perform shaft run out, metal spray shaft and machine to size if required.		9			
	Replace seals.		9			
	Replace mechanical seals.		9			
	Replace O-rings		9			
	Replace the pump impeller if required.		9			
	Replace bearings.		9			
	Check impellor to wear ring clearance,		9			
	Replace wear rings if required.		9			
	Box up the pump according to its design clearances		9			
	Static pressure test.		9			
	Assessing a damage, and issue damaged report		9			
	Submitting prices as per the price list for assessment,		9			
	Repairing the damage,		9			
	Transporting and delivering of the Generator Aux oil Pumps to the Grootvlei Power Station workshop after refurbishment.		9			
	Collecting the damaged pumps from Grootvlei Power Station,		9			

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	Transporting them to the Contractors workshop,		9			

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Item nr	Description	Unit	Expected Quantity	Service in 5 years for all 3 units)	Rate	Price
3	Ammonia Dosing					
	Collecting the damaged pumps from Grootvlei Power Station,	EA	9			
	Transporting them to the Contractors workshop,		9			
	Refurbish the pump.		9			
	Strip, clean and return clearances to design specifications.		9			
	PT rotating components, casings. Repair or manufacture new components and casings if necessary.		9			
	Perform shaft run out, metal spray shaft and machine to size if required.		9			
	Replace seals.		9			
	Replace mechanical seals.		9			
	Replace O-rings		9			
	Replace the pump impeller if required.		9			
	Replace bearings.		9			
	Check impellor to wear ring clearance,		9			
	Replace wear rings if required.		9			
	Box up the pump according to its design clearances		9			
	Static pressure test.		9			
	Assessing a damage, and issue damaged report		9			
	Submitting prices as per the price list for assessment,		9			
	Repairing the damage,		9			
	Transporting and delivering of the Generator Aux oil Pumps to the Grootvlei Power Station workshop after refurbishment.		9			
	Collecting the damaged pumps from Grootvlei Power Station,		9			

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	Transporting them to the Contractors workshop,		9			

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Item nr	Description	Unit	Expected Quantity	Service in 5 years for all 3 units)	Rate	Price
4	Stator coolant pumps					
	Collecting the damaged pumps from Grootvlei Power Station,	EA	9			
	Transporting them to the Contractors workshop,		9			
	Refurbish the pump.		9			
	Strip, clean and return clearances to design specifications.		9			
	PT rotating components, casings. Repair or manufacture new components and casings if necessary.		9			
	Perform shaft run out, metal spray shaft and machine to size if required.		9			
	Replace seals.		9			
	Replace mechanical seals.		9			
	Replace O-rings		9			
	Replace the pump impeller if required.		9			
	Replace bearings.		9			
	Check impellor to wear ring clearance,		9			
	Replace wear rings if required.		9			
	Box up the pump according to its design clearances		9			
	Static pressure test.		9			
	Assessing a damage, and issue damaged report		9			
	Submitting prices as per the price list for assessment,		9			
	Repairing the damage,		9			
	Transporting and delivering of the Generator Aux oil Pumps to the Grootvlei Power Station workshop after refurbishment.		9			
	Collecting the damaged pumps from Grootvlei Power Station,		9			

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	Transporting them to the Contractors workshop,		9			