

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 - 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.

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.

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.

C2.2 the *price list*

A. INSPECTION AND STRIP AND ASSESS OF CHILLERS AND ITS ASSOCIATED COMPONENTS

Item No.	Plant Area	Estimated Refurbishment quantity for 60 months	Unit	Qty	Rate	Total price
1.	HVAC plant, auxiliary bay Unit 1	3	ea	3		
2.	HVAC plant, auxiliary bay Unit 2	2	ea	2		
3.	HVAC plant, auxiliary bay Unit 3	2	ea	2		
4.	HVAC plant, auxiliary bay Unit 4	2	ea	2		
5.	HVAC plant, auxiliary bay Unit 5	1	ea	2		
6.	HVAC plant, auxiliary bay Unit 6	2	ea	2		
7.	Station Services Building	1	ea	3		
8.	Commercial Building	1	ea	3		
9.	Medical Building	1	ea	1		

B. SUPPLY AND DELIVERY OF CHILLERS COMPONENTS/SPARES

Item No.	Description	Unit	Estimated quantity for 60 months	Rate	Price
1.	Refrigerant R134a	Kg	5000		
2.	Temperature Sensor 00PPG000470800A	ea	90		
3.	Valve Coil 00PPG000523500A	ea	90		
4.	HP Transducer OP-12DA-039- E	ea	90		
5.	HP Switch 16Bar WB-12BG-016- E	ea	90		
6.	LP Transducer OP-12DA-040- E	ea	90		
7.	Coil XM-12ZM-018- E	ea	90		
8.	Compressor 06NW2300- S-5NNC	ea	90		
10.	Temperature Sensor 00PPG000470800A	ea	90		
11.	Valve Coil XM-12ZM-017- E	ea	90		
12.	Oil Pump 30HX-410-632- E	ea	90		
13.	Oil pump filter 00PPG00057200A	ea	90		
14.	Level detector HR-12BA-011-E	ea	50		
15.	Expansion valve 30HX-415-632- E	ea	40		
16.	Filter drier core 00PPG000445000A	ea	120		
17.	Isolator 3KA7132-3AA00	ea	90		
20.	Analog OV/UV Relay 3UGA4511-1AP20	ea	120		
21.	Circuit breaker 3RV2011-1BA10	ea	90		

22.	Transformer TAM8196- 0AX40-0E-N1	ea	90		
23.	100A Fuse 3NA3830	ea	300		
24.	Contacto 37KW 3RT2045-1AF00	ea	120		
25.	Contacto 18.5KW 3RT2035-1AF00	ea	120		
26.	Electronical Board Comp 32GB500402A	ea	120		
27.	Electronical Board Pro D4 32GB500-182EE A1	ea	48		
28.	Electronical Board EXV 32GB500422EE	ea	48		
29.	Display Unit 32GB500-112EE A2	ea	36		
30.	SW 220 Synthetic oil	Liters	1500		
31.	Service valves – Charging	ea	52		
32.	Service valves – Discharge	ea	52		
33.	Service valves – Suction	ea	52		
34.	Contacto – 3RT1055 2AF3 6	ea	30		
35.	30XW Carrier – various spares	ea	25		
SUBTOTAL					

C. REMOVAL/DECOMMISSION OF OLD CHILLER UNITS

Item no.	Description	Unit	Expected Quantity (As and when required)	Rate	Price
1.	Removal/decommissioning of old chillers as per Scope of work	ea	20		
SUBTOTAL					

D. SUPPLY, DELIVER, INSTALLATION AND COMMISSIONING OF CHILLER COMPLETE UNITS

Item No.	Description	Unit	Expected Quantity	Supply Rate	Installation and Commissioning Rate	Price
1.	HVAC plant, auxiliary bay Unit 1-6 MODEL: 30HXC175-A0641- PEE	ea	20			
SUBTOTAL						

E. MAINTENANCE OF CHILLERS DURING OPPORTUNITY OUTAGES

Item No.	Description	Unit	Expected Quantity	Frequency	Rate	Price
1.	HVAC plant, auxiliary bay Unit 1-6 MODEL: 30HXC175-A0641- PEE	ea	20	As and when required	R	R
SUBTOTAL						R

F. LABOUR RATES**NORMAL HOURS**

Item No.	Description	Unit / Call-out	Quantity	Estimated Hours / Call-out per month	Rate	Duration (years)	Price
1	Technician	Hr	2	80	R	5	R
2	Unskilled Labourer	Hr	2	80	R	5	R
3	Rigger	Hr	2	40	R	5	R
SUBTOTAL							R

NORMAL OVERTIME AND SATURDAY @1.5

Item No.	Description	Unit / Call-out	Quantity	Estimated Hours / Call-out per month	Rate	Duration (years)	Price
1	Technician	Hr	2	80	R	5	R
2	Unskilled	Hr	2	80	R	5	R

	Labourer						
3	Rigger	Hr	2	40	R	5	R
SUBTOTAL							R

SUNDAY AND PUBLIC HOLIDAY OVERTIME @ 2

Item No.	Description	Unit / Call-out	Quantity	Estimated Hours / Call-out per month	Rate	Duration (years)	Price
1	Technician	Hr	2	80	R	5	R
2	Unskilled Labourer	Hr	2	80	R	5	R
3	Rigger	Hr	2	40	R	5	R
SUBTOTAL							R

G. TRANSPORT

Item No.	Description	Unit	Quantity	Estimated KMs/month	Rate	Duration (years)	Price
1	LDV BAKKIES	KM	2	3000	R	5	R
SUBTOTAL							R

H. HEALTH AND SAFETY

Item No.	Description	Estimated Qty for 1 year	Price ea/ person	Total Price
1	Medicals (only if annual medical certificate expired)	6	R	R
2	Health and Safety File	1	R	R
3	Safety Training	N/A	R	R
4	Health and Safety Officer (if >40 employees)	N/A	R	R
5	Hard hats with strips (Hooked on the hats itself not inside)	6	R	R
6	Overalls	6	R	R
7	Gloves	6	R	R
8	Shoes (Safety boots)	6	R	R
9	Hearing protection	6	R	R

10	Safety goggles	6	R	R
11	Safety harnesses (with big hooks not small hooks)	6	R	R
12	First Aid box for every employee	1	R	R
13	Dust mask	6	R	R
14	Thermal suit	6	R	R
15	Special underwear	6	R	R
16	Flash Suit	6	R	R
17	Training: Appointed Operator – ORHVS (8 days)	N/A	Offered by Eskom	N/A
18	Training: Appointed Person – PSR (10 days)	N/A	Offered by Eskom	Offered by Eskom
19	Training: Responsible Person – ORHVS & PSR (18 days)	N/A	Offered by Eskom	Offered by Eskom
20	Training: Authorised supervisor – PSR (2.5 days)	N/A	Offered by Eskom	N/A
21	Security Clearance	6	R	R
HEALTH AND SAFETY TOTAL VALUE PER YEAR				R
TOTAL VALUE FOR HEALTH AND SAFETY FOR A PERIOD OF FIVE YEARS				R
SUBTOTAL EXCL VAT (A - H)			R	
VAT 15%			R	
TOTAL PRICE			R	

NOTE: THE CONTRACTOR REMAINS RESPONSIBLE FOR COMPLETING THE PRICING SCHEDULE AS DEEMED APPROPRIATE FOR THE EXECUTION OF THE WORKS

Contractor:

.....
Print name

.....
Signature

.....
Date