

## PART 2: PRICING DATA

### TSC3 Option A

<b>Document reference</b>	<b>Title</b>	<b>No of pages</b>
C2.1	Pricing assumptions: Option A	2
C2.2	The <i>price list</i>	[•]

## 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:

<b>Identified and defined terms</b>	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"><li>the Price for each lump sum item in the Price List which the <i>Contractor</i> has completed and</li><li>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.</li></ul>
		(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

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>MATERIAL</b>				
	<b>The following Gearboxes are installed at the Coal Plant:</b>				
	<b>Repair Coal Plant Gearboxes</b>				
1	Belt : 7A/B, Type: SN22522, Description: Worm Gear, Size 14, Ratio: 24.5:1; Input shaft 75.011/75.030 mm and output 120.013/120.035mm; Installed Quantity X 2; Estimated repair quantities within 5 years contract duration x 24. Stock Number: <b>26524</b> .	No	24		
2	Belt : 7C-F, Type: SN22522, Description: Worm Gear, Size 12, Ratio: 24.5:1; Input shaft 65.011/65.030 mm and output 110.013/110.035 mm; Installed Quantity X 4, Estimated repair quantities within 5 years contract duration x 40. Stock Number: <b>176999</b> .	No	40		
3	Belt: 8A-F; Type: SD3134; Description: Helical Gear; Size 400/560; Ratio: 28.4:1; Power: 113kW; Input shaft 70.00 mm and output 160.00 mm; Quantity X 6, Estimated repair quantities within 5 years contract duration x 12. Stock Number: <b>176992</b> .	No	12		
4	Belt: 9A-F; Type: SN22520; Description: Worm Gear; Size: 80 inch; Ratio: 24.5:1; Power: 22kW; Input shaft 50.00 mm and output 80.00 mm; Quantity X 6, Estimated repair quantities within 5 years contract duration x 60. Stock Number: <b>177249</b> .	No	60		
5	Belt: 10/11A-F and 16A-B; Type: SN22520; Description: Worm Gear; Size: 70 inch; Ratio: 25:1; Power: 15kW; Input shaft 45.00 mm and output 75.00 mm; Quantity X 14, Estimated repair quantities within 5 years contract duration x 60. Stock number: <b>177248</b>	No	60		
6	Belt: 10/11A-F tripper car Type: SN22520; Description: Worm Gear; Size: 70 inch; Ratio: 60:1; Power: 7.5kW; Input shaft 35.00 mm and output 60.00 mm; Quantity X 12, Estimated repair quantities within 5 years contract duration x 30. Stock number: <b>37659</b>	No	30		
	<b>Repair Slurry Plant Gearboxes</b>				
1	20-Series Shuttle Conveyor Gearbox; Type: SK3282AZG-48-80L/4 IP66; Serial no: 13102111505C; Ratio: 48.04; Speed: 1375/ 29 rpm; Kw: 0.75; H7 Hollow Shaft, 40mm; Quantity X4, Estimated repair quantities within 5 years contract duration x 24. Stock number: <b>581073</b> .	No	24		

2	20-Series Conveyor Drive Gearbox; Make: Fender RSA; Serial number: 0610-MW4203; Type: KA148-K2-160; Ratio: 73.80:1; MTG: H01-A-2A; Hollow Output Shaft, 90mm; Motor 11 kW; Frame: 160M; Full load speed: 1460rpm; QuantityX4, Estimated repair quantities within 5 years contract duration x 24. Stock number: <b>581088</b> .	No	24		
3	Mixer Agitator Gearbox: type: mixer; ratio: 32.45:1; speed: 1460 rpm; power: 15 kW; shaft size: 80 mm; application: slurry; rotation direction: clockwise; position vertical; model no: 2137; Serial no: C21584/01/A to C; Quantityx3, Estimated repair quantities within 5 years contract duration x 24. Stock number: <b>563423</b> .	No	24		
1	Clarifier Reel Type, 73/22-1254-71; Type: SK 73/22 - 71 L/4; Shaft type, Output Shaft diameter e)75.0 mm x 140 mm; Operating Temperature: - 10/+40 °C; Oil type: CLP 220; Duty Ratio: 100 %; Wind speed: 2 m/s; Safety Factor: 1.7; Power Required: 0.37 kW; Rev Speed: 1380 rpm; QuantityX6, Estimated repair quantities within 5 years contract duration x 24. Stock Number: <b>592889</b> .	No	24		
2	Clarifier Agitator: Type, MR4E69 6F C26 200L 4 B5/2.6; Duty Gear ratio: 2.6; Power Required: 30 kW; Rev Speed: 1465 rpm; QuantityX6, Estimated repair quantities within 5 years contract duration x 24. Stock Number: <b>597794</b> .	No	24		
3	Portable Water Clarifier: Type 307/202; Model No: 57176; QuantityX1, h) Estimated repair quantities within 5 years contract duration x 24. Stock Number: <b>597797</b>	No	24		
4	Auxiliary Clarifier Agitator Gearbox TypeC26 200L Ratio 2:6 Quantity x4 Estimated repair quantities within 5 years contract duration x 24 Stock Number: <b>727237</b>	No	24		
5	Stirrer Dilution Gearbox Type B5/2.6/307/202 Quantity x3 Estimated repair quantities within 5 years contract duration x 24 Stock Number: <b>683429</b>	No	24		
<b>Supply Sewage Plant</b>					
1	Aerator Gearbox: Model Type, JHK14113004107466; Position Vertical; Speed, 64 rpm; Power 7.5kW – 400V; Ratio, 22:86:1, 2.8; Quantity x3, Estimated repair quantities within 5 years contract duration x 45. Stock Number: <b>646952</b> .	No	45		
<b>Gearbox Spares Supply for Coal Plant</b>					
<b>Contractor is to supply below Gearbox Spares:</b>					
1	a) Size 80" 25/1 Ratio worm shaft, 5 Year's supply quantities: 10. Stock number: <b>28115</b> .	No	10		
2	b) Size 80" 25/1 Ratio worm wheel, 5 Year's supply quantities: 24. Stock number: <b>28116</b> .	No	24		

3	c) Size 70 x 25/1 Ratio worm shaft -metric, 5 Year's supply quantities: 10. Stock number: <b>48808</b> .	No	10		
4	d) Size 70 x 25/1 ratio worm wheel, 5 Year's supply quantities: 24. Stock number: <b>28251</b> .	No	24		
5	e) Size 70" double shaft, 5 Year's supply quantities: 10. Stock number: <b>38233</b> .	No	10		
6	f) Size 70" WRG- Fan, 5 Year's supply quantities: 10. Stock number: <b>40619</b> .	No	10		
7	g) Size 12" x 25/1 ratio worm wheel, 5 Year's supply quantities: 4, Stock number: <b>28250</b> .	No	4		
8	h) Size 12" output shaft, 5 Year's supply quantities: 4, Stock number: <b>38232</b> .	No	4		
	<b>Repair List of installed gearboxes and spares</b>				
1	Repair Coal Plant Size 70 Inch Gearboxes (Carbon Steel – Bronze Wheel)(Ratio: 25:1)PART No.WU7STOCK No. <b>177248</b>	No	60		
2	Repair Coal Plant Size 70 Inch Gearboxes (Carbon Steel – Bronze Wheel)(Ratio 60:1)PART No.WU7STOCK No. <b>37659</b>	No	30		
3	Repair Coal Plant Size 80 Inch Gearboxes (Carbon Steel – Bronze Wheel)(Ratio: 25:1)PART No.WU8STOCK No. <b>177249</b>	No	60		
4	Repair Coal Plant Size 12 Inch Gearboxes(Carbon Steel – Bronze Wheel)(Ratio: 25:1)PART No.TWU12STOCK No. <b>176999</b>	No	40		
5	Repair Coal Plant Size 14 Inch Gearboxes (Carbon Steel – Bronze Wheel)(Ratio: 25:1)PART No.TWU14STOCK No. <b>26524</b>	No	24		
6	Repair Coal Plant Size 500/700 double reduction Gearboxes (Steel )(Ratio: 28:1)PART No.H SeriesSTOCK No. <b>176992</b>	No	12		
7	Repair Slurry Plant 20- Series Shuttle Conveyor Gearboxes(Steel )(Ratio: 48.04)PART No.SK3282AZG-48-80L/4 STOCK No. <b>581088</b>	No	24		
8	Repair Slurry Plant 20-Series Conveyor Drive Gearboxes(Steel )(Ratio: 73.80:1)PART No.KA148-K2-160STOCK No. <b>581073</b>	No	24		
9	Repair Slurry Plant Mixer Agitator Gearboxes(Steel )(Ratio: 32.45:1)PART No.C21584/01/ASTOCK No. <b>563423</b>	No	24		
10	Repair Slurry Plant Conveyor 32 Drive Gearbox (Steel)(N/A)PART No.SK9052.IEC132 ALPSTOCK No. <b>582834</b>	No	24		

11	Repair Water Plant Clarifier Gearboxes (Rotary Feeder Gearbox)(Steel )(Duty ratio: 100 %)PART No.SK 73/22 - 71 L/4STOCK No. <b>592889</b>	No	24		
12	Repair Auxiliary Clarifier Agitator Gearboxes(Steel )(Ratio: 2.6)PART No.C26 200L 4STOCK No. <b>727237</b>	No	24		
13	Repair Water Treatment Plant Gearboxes (brine tank stirrer)(Steel )(N/A)PART No.B5/2.6 307/202STOCK No. <b>683429</b>	No	24		
14	Repair All Sewage Plant Gearboxes (Ammonia Stirrer)(Steel )(Ratio, 50:73:1 Ratio, 22:86:1 )PART No.0405-M17490/2STOCK No. <b>646952</b>	No	45		
15	RepairGearbox Impeller Drive(Steel )(Ratio 2.6)PART No.MR4E69 6FC26 200LSTOCK No. <b>597794</b>	No	24		
	<b>COAL PLANT SPARES</b>				
1	Size70 Ratio 25:1 Gearbox.Worm Shaft STOCK No. <b>48808</b>	No	10		
2	Size 70 Ratio25:1 Gearbox Worm WheelSTOCK No. <b>28251</b>	No	24		
3	Size 70 Ratio 25:1 Gearbox Double ShaftSTOCK No. <b>38233</b>	No	10		
4	Size 70 Ratio Gearbox WRG FanSTOCK No. <b>40619</b>	No	24		
5	Size 80 Ratio Gearbox Worm ShaftSTOCK No. <b>28115</b>	No	10		
6	Size 80 RatioGearbox Worm Wheel STOCK No. <b>28116</b>	No	24		
7	Size 12" Ratio Gearbox Worm Wheel STOCK No. <b>28250</b>	No	4		
8	Size12" Ratio Gearbox Shaft wheelSTOCK No. <b>38232</b>	No	4		
	<b>TOTAL AMOUNT</b>				