PART 2: PRICING DATA

TSC3 Option A

Document reference	Title	No of pages
C2.1	Pricing assumptions: Option A	2
C2.2	The *price list*	**[•]**

C2.1 Pricing assumptions: Option A

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 *price list* 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 *Contractor* has completed and
- where a quantity is stated for an item in the Price List, an amount calculated by multiplying the quantity which the *Contractor* 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.

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.

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).

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.

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.

APPENDIX A: PRICING DATA

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C2 Price List

Item nr	Description	Unit	Expected Quantity	Rate	Total Price
1	Bill no 1 – General Preliminary ALL work to be done by the Appointed Contractor including Safety Compliance Services and emergency response Eskom is an ISO 9001, 45001 registered company and requires from the contractor to adhere to these				
1.1	To provide Eskom with a Safety File as required and to maintain the fire protection systems throughout the contract period as contemplated.	Sum	1		
1.2	Provide contract employees with appropriate Personal Protective Equipment:	Sum	1		
1.3	The Contractor shall compile a file, in duplicate and in electronic format (as described) which shall be kept up to-date throughout the contract period and one physical and one electronic copy returned when the contract period has expired.	Sum	1		
Total Bill 1					

Bill 2: <u>6-Monthly</u> Inspection of fire doors:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
2	6-Monthly Inspection & Repair/Replacement of Fire Door intervals For the inspection & repair/replacement of fire doors inclusive of all supervision, labour, accommodation, living out allowance and traveling costs of:						
2.1	Technician	Ea	2	1			
2.2	Accomodation	Ea	2	1			
2.3	Living Out	Ea	2	1			
2.4	Transport	km					
Total Bill 2							

Bill 3: 6-Monthly Inspection of fire reticulation mains:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
3	6-Monthly Inspection of Fire Reticulation Mains intervals For the inspection of fire reticulation mains inclusive of all supervision, labour, accommodation, living out allowance and traveling costs of:						
3.1	Technician	Ea	2	1			
3.2	Accomodation	Ea	2	1			
3.3	Living Out	Ea	2	1			
3.4	Transport	km					
Total Bill 3							

Bill 4: Yearly Maintenance of fire protection systems:						
Item nr	**Description**	**Unit**	**Expected Quantity**	**Rate**	**Price for Year 1**	**Total for 60 months**
4	Yearly Maintenance intervals For the maintenance of fire protection systems inclusive of all supervision, labour, materials, accommodation, living out allowance and traveling costs of:					
4.1	Fire Extinguishers	Ea	200			
4.2	Hydrants	Ea	4			
4.3	Hose Reels	Ea	2			
4.4	Hydrant Hoses	Ea	4			
Total Bill 4						

Bill 5: Yearly water supply proving test on hydrants:						
Item nr	**Description**	**Unit**	**Expected Quantity**	**Rate**	**Price for Year 1**	**Total for 60 months**
5	Yearly Water Supply Proving Test intervals For the water supply proving testing of hydrants inclusive of all supervision, labour, accommodation, living out allowance and traveling costs of:					
5.1	Hydrants (Most Remote Hydrant)	Ea	1			
Total Bill 5						

Bill 6: <u>Yearly</u> servicing of pumps & drivers and field performance test of fire pumps:						
Item nr	**Description**	**Unit**	**Expected Quantity**	**Rate**	**Price for Year 1**	**Total for 60 months**
6	Yearly Service & Performance Test intervals For the service & performance testing of fire pumps inclusive of all supervision, labour, accommodation, living out allowance and traveling costs of:					
6.1	Electric Fire Pump	Ea	1			
6.2	Electric Fire Pump Motor	Ea	1			
6.3	Diesel Fire Pump	Ea	1			
6.4	Diesel Engine	Ea	1			
Total Bill 6						

Bill 7: <u>5-Yearly</u> Extended Maintenance, Overhaul and hydrostatic pressure testing of fire extinguishers, hydrant hoses and hose reels:						
Item nr	**Description**	**Unit**	**Expected Quantity**	**Rate**	**Price for Year 1**	**Total for 60 months**
7	5-Yearly Extended Maintenance, Overhaul and Hydrostatic Pressure Test intervals For the Extended Maintenance, Overhaul and hydrostatic pressure testing of fire extinguishers, hose reels and hydrant hoses inclusive of all supervision, labour, accommodation, living out allowance and traveling costs of:					
7.1	Fire Extinguishers	Ea	200			
7.2	Hydrant Hoses	Ea	4			
7.3	Hose Reels	Ea	2			
Total Bill 7						

Bill 8: <u>5-Yearly</u> Deluge Flow Control Valve Overhaul:						
Item nr	**Description**	**Unit**	**Expected Quantity**	**Rate**	**Price for Year 1**	**Total for 60 months**
8	5-Yearly Deluge Flow Control Valve Overhaul intervals For the overhaul of deluge flow control valves inclusive of all supervision, labour, accommodation, living out allowance and traveling costs of:					
8.1	Deluge Valves	Ea	3			
Total Bill 8						

Bill 9: 5-Yearly overhaul of pumps & drivers and shop & field performance test of fire pumps:						
Item nr	**Description**	**Unit**	**Expected Quantity**	**Rate**	**Price for Year 1**	**Total for 60 months**
9	5-Yearly Overhaul & Performance Test intervals For the overhaul & performance testing of fire pumps inclusive of all supervision, labour, and traveling costs of:					
9.1	Electric Fire Pump	Ea	1			
9.2	Electric Fire Pump Motor	Ea	1			
9.3	Diesel Fire Pump	Ea	1			
9.4	Diesel Engine	Ea	1			
Total Bill 9						

Bill 10: Reactive Maintenance							
Bill 10.1: Weld Repair and Fabrication:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
10.1	Weld Repair and Fabrication intervals For the Weld Repair and Fabrication Intervals inclusive of all supervision, labour, accommodation, living out allowance and traveling costs:						
10.1.1	Materials, consumables, tools and equipment	Ea	1				
10.1.2	Supervisor	Ea	1	20			
10.1.3	Safety Officer	Ea	1	20			
10.1.4	Coded Welder	Ea	1	20			
10.1.5	Pipe Fabricator	Ea	2	20			
10.1.6	Maintenance Assistant	Ea	1	20			
10.1.7	Travelling Cost x 3	km					
10.1.8	Accommodation	Ea		20			
10.1.9	Living Out	Ea		20			
Total Bill 10.1							

Bill 10.2: Corrosion Protection:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
10.2	Corrosion Protection intervals For the sandblasting and hot-dip galvanising intervals inclusive of transport and corrosion protection:						
10.2.1	Transport of components	Ea	10				
10.2.2	Sandblasting	kg	500				
10.2.3	Hot-dip galvanising	kg	500				
Total Bill 10.2							

Bill 10.3: Non-destructive Testing of Welds:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
10.3	Non-destructive Testing (Dye Pen) intervals For the Dye Penetrant Examination intervals inclusive of labour, accommodation, living out allowance and transport:						
10.3.1	Materials, consumables, tools and equipment	Ea	1				
10.3.2	Technician	Ea	1	10			
10.3.3	Maintenance Assistant	Ea	1	10			
10.3.4	Travelling Cost x 4	km					
10.3.5	Accommodation	Ea	2	10			
10.3.6	Living Out	Ea	2	10			
Total Bill 10.3							

Bill 10.4: Repair of Fire Doors:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
10.4	Repair of Fire Doors intervals For the Repair of Fire Door Intervals Intervals inclusive of all supervision, labour, accommodation, living out allowance and traveling costs:						
10.4.1	Materials, consumables, tools and equipment	Ea	1				
10.4.2	Supervisor	Ea	1	5			
10.4.3	Safety Officer	Ea	1	5			
10.4.4	Technician	Ea	1	5			
10.4.5	Maintenance Assistant	Ea	1	5			
10.4.6	Travelling Cost	km					
10.4.7	Accommodation	Ea		5			
10.4.8	Living Out	Ea		5			
Total Bill 10.4							

Bill 10.5: Replacement of Fire Doors:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
10.5	Replacement of Fire Doors intervals For the Replacement of Fire Door Intervals inclusive of all supervision, labour, materials, accommodation, living out allowance and traveling costs:						
10.5.1	Single Leaf Class D Fire Door Assembly	Ea	5				
10.5.2	Double Leaf Class D Fire Door Assembly	Ea	5				
10.5.3	Supervisor	Ea	1	5			
10.5.4	Safety Officer	Ea	1	5			
10.5.5	Semi-skilled Worker	Ea	1	5			
10.5.6	Travelling Cost	km					

10.5.7	Accommodation	Ea		5			
10.5.8	Living Out	Ea		5			
10.5.9	Delivery of Materials	Ea	1				
Total Bill 10.5							

Bill 10.6: Repair of Fire Stops and Intumescent Coatings:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
10.6	Repair of Fire Stops and Intumescent Coating intervals For the Repair of Fire Stops and Intumescent Coating Intervals inclusive of all supervision, labour, accommodation, living out allowance and traveling costs:						
10.6.1	Technician	Ea	1	3			
10.6.2	Semi-Skilled	Ea	1	3			
10.6.3	Accomodation	Ea	2	3			
10.6.4	Living Out	Ea	2	3			
10.6.5	Transport	km					
10.6.6	**Materials:**						
10.6.6.1	Mineral Wool Panel – Mandoval Vermiculate	5 pack	5				
10.6.6.2	Pyrosafe WB – Mandoval Vermiculate	L	50L				
10.6.6.3	TEKROK “S” Plaster Mandoval	15kg	2				
10.6.7	Delivery of Materials	Ea	1				
Total Bill 10.6							

Bill 10.7: Disposal of Fire Equipment:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
10.7	Disposal of Fire Equipment intervals For the Disposal of Fire Equipment Intervals inclusive of all supervision, labour, accommodation, living out allowance and traveling costs:						
10.7.1	Technician	Ea	1	2			
10.7.2	Semi-Skilled	Ea	1	2			
10.7.3	Travelling Cost	km					
10.7.4	Accommodation	Ea	2	2			
10.7.5	Living Out	Ea	2	2			
Total Bill 10.7							

Bill 10.8: Undefined Spares:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
10.8	Undefined Spares intervals For the Supply of Undefined Spares Intervals inclusive of all materials and delivery costs:						
10.8.1	Transport of Materials	Ea	5				
10.8.2	Spares	Ea	1				
Total Bill 10.8							

Bill 10.9: Extended Maintenance, Overhaul and, pressure testing and refilling of fire extinguishers:						
Item nr	**Description**	**Unit**	**Expected Quantity**	**Rate**	**Price for Year 1**	**Total for 60 months**
10.9	Extended Maintenance, Overhaul and, pressure testing and refilling intervals For the reconditioning, pressure testing and recharging of fire extinguishers inclusive of all supervision, labour, materials, accommodation, living out allowance and traveling costs of:					
10.9.1	Fire Extinguishers	Ea	100			
Total Bill 10.9						

Bill 10.10: Call Outs / Defects:							
Item nr	**Description**	**Unit**	**Expected Quantity**	**Days**	**Rate**	**Price for Year 1**	**Total for 60 months**
10.10	Call Outs and Defects intervals For Call Outs and Defects Intervals inclusive of all labour, accommodation, accommodation, living out allowance and travelling costs:						
10.10.1	Technician	Ea	2	10			
10.10.2	Semi-skilled	Ea	2	10			
10.10.3	Accommodation	Ea		10			
10.10.4	Travelling Cost x 3	km					
10.10.5	Living Out	Ea		10			
Total Bill 10.10							

Bill 11: Spares:				
Item nr	**Description**	**Unit**	**Expected Quantity**	**Total**
11	For the supply of the following spares:			
11.1	Conventional Head Detector IP65	EA	1	
11.2	100mm Inbal Butterfly Valve, Wafer Type, 16 Bar, Ductile Iron Body, Stainless Steel Disc, EPDM Seat, Lever Operated	EA	4	
11.3	150mm Inbal Butterfly Valve, Wafer Type, 16 Bar, Ductile Iron Body, Stainless Steel Disc, EPDM Seat, Handwheel Gear Operated	EA	4	
11.4	200mm Inbal Butterfly Valve, Wafer Type, 16 Bar, Ductile Iron Body, Stainless Steel Disc, EPDM Seat, Handwheel Gear Operated	EA	4	
11.5	150mm Inbal Wafer Check Valve, Double Door ,16 Bar, Cast Iron Body, Stainless Steel Discs, EPDM Seal, Stainless Steel Spring and Hinge Pin	EA	4	
11.6	M16 x 120 Galvanized Gr 8.8 Hexagon Set Screw	EA	30	
11.7	M16 x 125 Galvanized Gr 8.8 Hexagon Set Screw	EA	30	
11.8	M16 x 140 Galvanized Gr 8.8 Hexagon Set Screw	EA	30	
11.9	M16 x 160 Galvanized Gr 8.8 Hexagon Set Screw	EA	30	
11.10	M16 x 95 Galvanized Gr 8.8 Hexagon Set Screw	EA	20	
11.11	M16 x 90 Galvanized Gr 8.8 Hexagon Set Screw	EA	30	
11.12	M16 x 85 Galvanized Gr 8.8 Hexagon Set Screw	EA	30	
11.13	M16 x 70 Galvanized Gr 8.8 Hexagon Set Screw	EA	20	
11.14	M16 x 65 Galvanized Gr 8.8 Hexagon Set Screw	EA	20	
11.15	M20 x 155 Galvanized Gr 8.8 Hexagon Set Screw	EA	50	
11.16	M16 Galvanized Flat Washers	EA	240	
11.17	M16 Galvanized Gr 8.8 Nuts	EA	240	
11.18	M20 Galvanized Flat Washers	EA	100	
11.19	M20 Galvanized Gr 8.8 Nuts	EA	100	
11.20	1 Inch PN 25, Ball Valve, Type Boston, Brass	EA	5	
11.21	1 Inch PN 16 Brass Nickle Plated Full Bore Ball Valve, Type Venice	EA	5	
11.22	1/2 Inch PN 16 Brass Nickle Plated Full Bore Ball Valve, Type Venice	EA	5	
11.23	M12 x 600 long Stud, Galvanized, Gr 12.9	EA	5	
11.24	M12 x 560 long Stud, Galvanized, Gr 12.9	EA	5	
11.25	M12 x 1470 long Stud, Galvanized, Gr 12.9	EA	5	
11.26	M12 Galvanized, Gr 12.9 Nuts	EA	30	
11.27	M12 Galvanized Washers	EA	30	

11.28	Klamflex Coupling, 200NB, Type 218-295, 16Bar	EA	6	
11.29	Varifit Coupling, 200NB, Type 218-235, 16Bar	EA	4	
11.30	M12 x 75 Galvanized Gr 8.8 Hexagon Set Screw	EA	30	
11.31	200NB SANS 719 Heavy Duty, Carbon Steel Pipe	M	24	
11.32	150NB SANS 62 Heavy Duty, Carbon Steel Pipe	M	18	
11.33	100NB SANS 62 Heavy Duty, Carbon Steel Pipe	M	18	
11.34	200NB 90Degree Elbow, Welded Ends, Carbon Steel	EA	6	
11.35	150NB 90Degree Elbow, Welded Ends, Carbon Steel	EA	3	
11.36	100NB 90Degree Elbow, Welded Ends, Carbon Steel	EA	5	
11.37	200NB-150NB Concentric Reducer, Welded Ends, Carbon Steel	EA	2	
11.38	200NB-150NB Eccentric Reducer, Welded Ends, Carbon Steel	EA	2	
11.39	150NB-100NB Concentric Reducer, Welded Ends, Carbon Steel	EA	2	
11.40	200NB, Table 1600/3, SANS 1123, Carbon Steel Slip-On Flange	EA	16	
11.41	150NB, Table 1600/3, SANS 1123, Carbon Steel Slip-On Flange	EA	10	
11.42	100NB, Table 1600/3, SANS 1123, Carbon Steel Slip-On Flange	EA	10	
11.43	Flowmaster 250 Hydrant Flow Gauge, Type Vernon Morris, 12V DC, 2.4Ah, Working Pressure 16 bar, Max Pressure 25 bar, Inlet 2 ½ Inch Male Instantaneous, Outlet 2 ½ Inch Female Instantaneous, Supplied with gate valve assembly for static pressure readings	EA	1	
11.44	Elcometer MTG8BDL Ultrasonic Material Thickness Gauge	EA	1	
11.45	TXC5M00CP-10 Dual Element Transducer – ThruPaint, 5MHz, ¼ Inch, Right angle	EA	1	
11.46	Fuji Ultrasonic Portable Flow Meter, Portaflow, Model FSCS10B1-00Y, complete with power adaptor and power cord, sensor set for pipe diameters 50mm – 1200mm, coax cables, carry case.	EA	1	
11.47	Fuji Standard Sensor Set for Portable Ultrasonic Flow Meter, Portaflow-C Model FSSC1YY1-YY for pipe diameters 50mm – 1200mm	EA	1	
11.48	Air filter – serial No. RE508449 for John Deere Diesel Engine **CD4045C068879**	EA	5	
11.49	Oil Filter – S/N DZ118243 for John Deere Diesel Engine **CD4045C068879**	EA	5	
11.50	Fuel Filter – S/N RE60021 for John Deere Diesel Engine **CD4045C068879**	EA	5	
11.51	PLUS -50 Engin Oil for John Deere Diesel Engine **CD4045C068879**	L	10	
11.52	Fuel Pump for John Deere Diesel Engine **CD4045C068879**	EA	2	
11.53	M10 x 2000 long Stud, Galvanized, Gr 12.9	EA	5	
11.54	M10 Galvanized, Gr 12.9 Nuts	EA	30	
11.55	M10 Galvanized Washers	EA	30	
11.56	M8 x 2000 long Stud, Galvanized, Gr 12.9	EA	5	

11.57	M8 Galvanized, Gr 12.9 Nuts	EA	30	
11.58	M8 Galvanized Washers	EA	30	
11.59	100NB Globe Valve,Bolted Bonnet, Flanged ANSI B16.10, ASTM A105, Class #150, Handwheel Operated	EA	1	
11.60	100NB Slip-On Flange, Raised Face, ANSI B16.5, 150#, ASTM A-105	EA	4	
11.61	100NB Blind Flange, Raised Face, ANSI B16.5, 150#, ASTM A-105	EA	2	
11.62	Delivery of spares	EA	1	
Total Bill 11				

SUMMARY

Item Nr	Description	Price
1	Bill No 1 - Preliminary	
2	Bill No 2 – 6-Monthly inspection of fire doors.	
3	Bill No 3 – 6-Monthly inspection of fire reticulation mains.	
4	Bill No 4 – Yearly maintenance of fire protection systems	
5	Bill No 5 – Yearly water supply proving test on hydrants	
6	Bill No 6– Yearly servicing of fire pumps & drivers and field performance test of fire pumps	
7	Bill No 7 – 5-Yearly extended maintenance, overhaul and hydrostatic pressure testing of fire extinguishers, hydrant hoses and hose reels	
8	Bill No 8 – 5-Yearly Deluge Flow Control Valve Overhaul	
9	Bill No 9– 5-Yearly overhaul of fire pumps & drivers and shop & field performance test of fire pumps	
10	**Reactive Maintenance**	
10.1	Bill No 10.1 – Weld Repair and Fabrication	
10.2	Bill No 10.2 – Corrosion Protection	
10.3	Bill No 10.3 – Non-destructive Testing of Welds	
10.4	Bill No 10.4 – Repair of Fire Doors	
10.5	Bill No 10.5 – Replacement of Fire Doors	
10.6	Bill No 10.6 – Repair of Fire Stops and Intumescent Coatings	
10.7	Bill No 10.7 – Disposal of Fire Equipment	
10.8	Bill No 10.8 – Undefined Spares	
10.9	Bill No 10.9 – Extended Maintenance, Overhaul and, pressure testing and refilling of fire extinguishers	
10.10	Bill No 10.10 – Call Outs / Defects	
11	Bill No 11 – Spares	
	The total of the Prices	