

PART 2: PRICING DATA

NEC3 Supply Contract

Document reference	Supply and Delivery of various chemicals at Grootvlei Power Station for a period of 60 months on an as and when required basis.	No of pages
C2.1	Pricing assumptions	2
C2.2	The <i>price schedule</i>	[•]

C2.1 Pricing assumptions

1. How *goods* and *services* are priced and assessed for payment

Clause 11 in NEC3 Supply Contract, (SC3) core clauses states:

Identified and defined terms	11 11.2	<p>(11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate.</p> <p>(12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.</p>
Assessing the amount due	50.2	<p>The amount due is</p> <ul style="list-style-type: none"> • the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed, • where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the <i>Supplier</i> has completed by the rate, • plus other amounts to be paid to the <i>Supplier</i>, • less amounts to be paid by or retained from the <i>Supplier</i>. <p>Any tax which the law requires the <i>Purchaser</i> to pay to the <i>Supplier</i> is included in the amount due.</p>

This confirms that the Supply Contract is a priced contract where the Prices are derived from a list of items of *goods* and *services* which can be priced as lump sums or as expected quantities of *goods* and *services* multiplied by a rate, or a mix of both.

2. Function of the Price Schedule

Clause 53.1 states: "Information in the Price Schedule is not Goods Information". This confirms that instructions to do work or how it is to be done are not included in the Price Schedule but in the Goods Information. This is further confirmed by Clause 20.1 which states, "The *Supplier* Provides the Goods and Services in accordance with the Goods Information". Hence the *Supplier* does **not** Provide the Goods and Services in accordance with the Price Schedule. The Price Schedule is only a pricing document.

3. Preparing the *price schedule*

Items in the *price schedule* may have been inserted by the *Purchaser* and the tendering supplier should insert any additional items which he considers necessary. Whichever party provides the items in the *price schedule* the total of the Prices is assumed to be fully inclusive of everything necessary to Provide the Goods and Services as described at the time of entering into this contract.

It will be assumed that the tendering supplier has

- Read Pages 8, 11, 12 and Appendix 5 of the SC3 Guidance Notes before preparing the *price schedule*;
- Included in his Prices and rates for correction of Defects (core clause 43.1) as there is no compensation event for this unless the Defect is due to a *Supplier's* risk;
- Spread the cost of doing work he chooses not to list as separate items in the *price schedule*

across other Prices and rates in order to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices;

- Understood that there is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item later turns out to be different to that which the *Supplier* estimated at time of tender. The only basis for a change to the Prices is as a result of a compensation event per clause 60.1;
- Understood that the *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event.

3.1. Format of the *price schedule*

Entries in the first four columns in the *price schedule* in section C2.2 are made either by the *Purchaser* or the tendering supplier.

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

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

If the *Supplier* is to be paid an amount for an item proportional to the length of time for which the *goods* and *services* are provided, a unit of time is stated in the Unit column and the length of time (as a quantity of the stated units of time) is stated in the Quantity column.

C2.2 the *price schedule*

Item nr	Description	Unit	Quantity	Rate	Price
Contract 3 Laboratory Chemicals					
Preliminaries & Generals					
	Safety file	Sum	1		
	PPE (safety boots, overall suit, goggles, gloves, Hardhat, earplugs)	NO	2		
	Police clearance	NO	2		
	Travelling (Annually)	KM	5000		
	CHEMICAL: TYPE: SODIUM HYDROXIDE (NAOH); FORM: PELLETS; CONTAINER CAPACITY: 25 KG; CONTAINER: BUCKET PLASTIC; CAT NO: 78272 REP 90; AR PEARLS 99 TO 100PCT; PACKED IN A TRANSPARENT PLASTIC BAG INSIDE THE 25 KILOGRAM PLASTIC BUCKET WITH LID; MATERIAL SAFETY DATA SHEETS WITH ENVIRONMENTAL INFORMATION IN THE 16 POINT FORMAT TO BE PROVIDED WITH EVERY DELIVERY AS REQUIRED BY THE OCCUPATIONAL HEALTH AND SAFETY ACT; FULL CERIFICATE OF ANALYSES WITH EVERY DELIVERY	KG	8 000		
	REAGENT: TYPE: SALT; TRADE NAME: FLUORESCEIN SODIM SALT; PHYSICAL FORM: SALT; COLOR: RED; CONTAINER: PLASTIC; CONTAINER CAPACITY: 500 G; NAME: FLUORECEIN SODIUM SALT; GRADE: AR; FOR TRACEABILITY	G	400 000		
	CHEMICAL: TYPE: DIISOPROPYLAMINE; FORM: LIQUID; CONTAINER CAPACITY: 2.5 L; CONTAINER: BOTTLE AMBER GLASS; TRADE NAME: DIISOPROPYLAMINE; COMPOSITION: 99 PCT PURITY; COLOR: CLEAR; CAS REGISTRY NUMBER: 108-18-9; EINECS NUMBER: 12724/2008; MSDS NUMBER: 1907-2006; GRADE: ANALYTICAL SYNTHESIS; SPECIFICATION: ISO 9001-2008; FOR SYNTHESIS, MELTING POINT: -96 DEGREE CELSIUS, BOILING	L	5000		

	POINT: 93 DEGREE CELSIUS, FLASH POINT: -17 DEGREE CELSIUS, HIGHLY FLAMABLE IRRITANT, DENSITY: 0.722 AT 22 DEGREE CELSIUS, VAPOUR DENSITY: 3.5, ASSAY (GC) > 99PCT, WATER: <0.3PCT, MATERIAL SAFETY DATA SHEETS WITH ENVIRONMENTAL INFORMATION IN THE 16 POINT FORMAT TO BE PROVIDED WITH EVERY DELIVERY AS REQUIRED BY THE OCCUPATIONAL HEALTH AND SAFETY ACT				
	CHEMICAL: TYPE: 1AMINO-2 NAPH-4 SULF ACID; FORM: SOLID; CONTAINER CAPACITY: 100 G; CONTAINER: BOTTLE PLASTIC; COMPOSITION: C10 H9 NO4 S; GRADE: AR; MANUF P/N: 100099; 1AMINO-2 NAPHTHOL-4 SULFONIC ACID	G	1000		
	CHEMICAL: TYPE: PH4 BUFFER; FORM: LIQUID; CONTAINER CAPACITY: 500 ML; CONTAINER: BOTTLE PLASTIC; GRADE: AR; MANUF P/N: 109884	L	1000		
	CHEMICAL: TYPE: PH7 BUFFER; FORM: LIQUID; CONTAINER CAPACITY: 500 ML; CONTAINER: BOTTLE PLASTIC; GRADE: AR; MANUF P/N: 109887	L	1000		
	BUFFER SOLUTION: TYPE: LIQUID; CONTAINER: 500 ML; CONCENTRATION: 9 PH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	L	1500		
	CHEMICAL: TYPE: PH 10 BUFFER; FORM: LIQUID; CONTAINER CAPACITY: 500 ML; CONTAINER: BOTTLE PLASTIC; GRADE: AR	L	1000		
	CHEMICAL: TYPE: ACETONE AR; FORM: LIQUID; CONTAINER CAPACITY: 2.5 L; CONTAINER: PLASTIC	L	1000		
	CHEMICAL: TYPE: NESSLER REAGENT; FORM: LIQUID; CONTAINER CAPACITY: 500 ML; CONTAINER: BOTTLE PLASTIC	ml	12 000		
	CHEMICAL: TYPE: CHLORIDE STANDARD AMPOULE; FORM: LIQUID; CONTAINER CAPACITY: 100 ML; CONTAINER: PLASTIC; TRADE NAME: CHLORIDE STANDARD SOLUTION 1000 PPM AMPOULE; COMPOSITION: AQUEOUS SOLUTION; COLOR: COLORLESS; MSDS NUMBER:	ml	3000		

	109924; GRADE: AR; SPECIFICATION: 1000 MG/L				
	CHEMICAL: TYPE: SULPHATE STANDARD; FORM: LIQUID FORM; CONTAINER CAPACITY: 500 ML; CONTAINER: PLASTIC; TRADE NAME: SULPHATE STANDARD; COMPOSITION: SULPHATE IN WATER; COLOR: COLORLESS; CAS REGISTRY NUMBER: N/A; EINECS NUMBER: N/A; MSDS NUMBER: N/A; GRADE: AR; SPECIFICATION: TRACEABLE TO NIST, 99.99% PURITY	ml	3000		
	CHEMICAL: TYPE: ACETYLACETONE; FORM: LIQUID; CONTAINER CAPACITY: 500 ML; CONTAINER: GLASS; TRADE NAME: ACETYLACETONE FOR ANALYSIS EMSURE; COMPOSITION: CH ₃ COCH ₂ COCH ₃ C ₃ H ₃ O ₂ (HILL); COLOR: BROWN; CAS REGISTRY NUMBER: 123-54-6; EINECS NUMBER: 204-634-0; MSDS NUMBER: 109600; GRADE: AR; SPECIFICATION: <=100%; PURITY >99%; LATEST 16 POINTS SAFETY DATA SHEET, CERTIFICATE OF ANALYSIS TO BE SUPPLIED WITH EVERY DELIVERY.	ml	7500		
	CHEMICAL: TYPE: TRIS(HYDROXYMETHYL)AMINOMETHANE; FORM: POWDER; CONTAINER CAPACITY: 500 G; CONTAINER: PLASTIC; TRADE NAME: TRIS BASE	G	12 500		
	CHEMICAL: TYPE: FERROUS AMMONIUM SULPHATE; FORM: SOLID; CONTAINER CAPACITY: 500 G; CONTAINER: PLASTIC	G	50 000		
	CHEMICAL: TYPE: REAGENT 1A; FORM: SOLID; CONTAINER CAPACITY: 500 G; CONTAINER: PLASTIC; COPRE SILICA/PHOSPHATE AMMONIUM HEPTAMOLYBDATE TETRAHYDRATE	G	80 000		
	CHEMICAL: TYPE: OXALIC ACID DEHYDRATE; FORM: SOLID; CONTAINER CAPACITY: 500 G; CONTAINER: PLASTIC; COMPOSITION: C ₂ H ₂ O ₂ .2H ₂ O	G	80 000		
	CHEMICAL: TYPE: POTASSIUM METABISULPHITE; FORM: SOLID; CONTAINER CAPACITY: 500 G; CONTAINER: PLASTIC; COLOR: WHITE; GRADE: AR; REQUIRED WITH EVERY DELIVERY AND MUST INCLUDE MANUFACTURING DATE, C.O.A,	G	30 000		
	CHEMICAL: TYPE: DPD1-FREE CHLORINE; FORM: SOLID; CONTAINER CAPACITY: 100 TABLETS PER BOX; CONTAINER: BOX; TRADE NAME: CHLORINE TABLETS; COLOR: WHITE	G	500		

	CHEMICAL: TYPE: POTASSIUM HYDROGEN PHTHALATE; FORM: SOLID; CONTAINER CAPACITY: 500 G; CONTAINER: BOTTLE PLASTIC; COLOR: WHITE; CAS REGISTRY NUMBER: 877-24-7; GRADE: AR	G	12 500		
	CHEMICAL: TYPE: SILICA GEL SELF INDICATING; FORM: GRANULES; CONTAINER CAPACITY: 1 KG; CONTAINER: PLASTIC BAG	Kg	20		
	CHEMICAL: TYPE: SODIUM SULFITE; FORM: POWDER; CONTAINER CAPACITY: 500 G; CONTAINER: PLASTIC	G	2000		
	CHEMICAL: TYPE: TARTARIC ACID; FORM: DRY POWDER; CONTAINER CAPACITY: 500 G; CONTAINER: BOTTLE PLASTIC; TRADE NAME: TARTARIC ACID; COMPOSITION: 99.5-101 PCT; COLOR: WHITE CLEAR; CAS REGISTRY NUMBER: 87- 69-4; EINECS NUMBER: 201-766-0; GRADE: AR; SUPPLIER TO BE ISO 9001 CERTIFIED, CHEMICALS TO BE DELIVERED WITH CERTIFICATE OF ANALYSIS AND 16 POINT SAFETY DATA SHEET, NO REPAKED CHEMICALS TO BE SUPPLIED, ALL STANDARD TO BE TRACEABLE TO SRM FROM NIST, ONLY AR GRADE CHEMICALS TO BE SUPPLIED, EXPIRY DATE OF THE CHEMICALS SHOULD BE A MINIMUM OF 2 YRS FROM DATE OF DELIVERY, CHEMICALS TO CONFORM TO GHS LABELLING STANDARD	G	110 000		
	CHEMICAL: TYPE: ZINC 1000 PPM; FORM: LIQUID; CONTAINER CAPACITY: 500 ML; CONTAINER: PLASTIC; TRADE NAME: ZINC STANDARD SOLUTION; COLOR: COLORLESS; MSDS NUMBER: 170389; GRADE: AR; TRACEABLE TO SRM FROM NIST ZN(NO3)2 IN HNO3 2-3% 10000 MG/L ZN CERTIPUR; CERTIFICATE OF ANALYSIS SHEET AND LATEST 16 POINT MATERIAL SAFETY DATA SHEET TO BE SUPPLIED WITH EVERY DELIVERY	ml	10 000		
	CHEMICAL: TYPE: MANGANESE STANDARD AMPOULE; FORM: LIQUID; CONTAINER CAPACITY: 100 ML; CONTAINER: PLASTIC; TRADE NAME: MANGANESE STANDARD SOLUTION 1000 PPM AMPOULE; COMPOSITION: AQUEOUS SOLUTION; COLOR: COLORLESS; MSDS NUMBER: 109988; GRADE: AR; SPECIFICATION: 1000MG MN; PURITY 100 PCT +/-1 PCT; MANGANESE STANDARD AMPOULE 0.0001-0.1 PCT WATER BALANCE; LATEST 16 POINT MATERIAL SAFETY DATA SHEET AND CERTIFICATE OF ANALYSIS TO BE	ml	10 000		

	SUPPLIED WITH EVERY DELIVERY; CHEMICAL BE TRACEABLE TO NIST				
	STANDARD, ANALYTICAL TEST: MATERIAL: NITRATE AMPOULE; WEIGHT: 1000 ML	ml	10 000		
	ACCESSORY: TYPE: ELECTROLYTE 3MOL/L KCL; STANDARD: ISO 9001; OEM P/N: 62313000; USED ON METROHM INSTRUMENT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	ml	7500		
	CHEMICAL: TYPE: POTASSIUM CHLORIDE; FORM: LIQUID; CONTAINER CAPACITY: 1 L; CONTAINER: PLASTIC	L	25		
	ACCESSORY: TYPE: REFERENCE FILLING SOLUTION 2MOL KCL; STANDARD: ISO9001; OEM P/N: A-87.892.400; SWAN REFERENCE FOR SWAN PH ONLINE ANALYSER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	ml	4000		
	CHEMICAL: TYPE: TOLUENE; FORM: LIQUID; CONTAINER CAPACITY: 2.5 L; CONTAINER: AMBER GLASS; TRADE NAME: TOLUENE; COMPOSITION: C7H8, 92,14 G/MOL; COLOR: COLORLESS; CAS REGISTRY NUMBER: 108-88-3; EINECS NUMBER: 203-625-9; GRADE: AR GRADE; CERTIFICATE OF ANALYSIS & SDS (GHS COMPLIANT) SHOULD BE DELIVERED WITH THE CHEMICAL.	L	1250		
	CHEMICAL: TYPE: POTASSIUM STANDARD AMPOULE; FORM: LIQUID; CONTAINER CAPACITY: 100 ML; CONTAINER: PLASTIC; TRADE NAME: POTASSIUM STANDARD SOLUTION 1000 PPM AMPOULE; COMPOSITION: AQUEOUS SOLUTION; COLOR: COLORLESS; MSDS NUMBER: 109924; GRADE: AR; SPECIFICATION: 1000MG K; PURITY 100PCT +/-1 PCT; AMPOULE 0.0001-0.1 PCT WATER BALANCE; LATEST 16 POINT MATERIAL SAFETY DATA SHEET AND CERTIFICATE OF ANALYSIS TO BE SUPPLIED WITH EVERY DELIVERY; CHEMICAL BE TRACEABLE TO NIST	ml	10 000		
	CHEMICAL: TYPE: MAGNESIUM 1000 PPM; FORM: LIQUID; CONTAINER CAPACITY: 500 ML; CONTAINER: PLASTIC; TRADE	ml	10 000		

	NAME: MAGNESIUM STANDARD SOLUTION; COLOR: COLORLESS; MSDS NUMBER: 170379; GRADE: AR; TRACEABLE TO SRM FROM NIST MG(NO3)2 IN HNO3 2-3% 10000 MG/L MG CERTIPUR; CERTIFICATE OF ANALYSIS SHEET AND LASTEST 16 POINT MATERIAL SAFETY DATA SHEET TO BE SUPPLIED WITH EVERY DELIVERY				
	CHEMICAL: TYPE: HYDROCHLORIC ACID 32%; FORM: LIQUID; CONTAINER CAPACITY: 2.5 L; CONTAINER: GLASS; COMPOSITION: HCl; COLOR: CLEAR; CAS REGISTRY NUMBER: 7647-01-0; MSDS NUMBER: M34514; GRADE: AR	L	100		
	CHEMICAL: TYPE: NITRIC ACID 65% SUPRAPUR; FORM: LIQUID; CONTAINER CAPACITY: 1 L; CONTAINER: BOTTLE GLASS; TRADE NAME: NITRIC ACID; COMPOSITION: AQUEOUS SOLUTION; COLOR: CLEAR; CAS REGISTRY NUMBER: >=65%-<70%; EINECS NUMBER: 1272/2008; MSDS NUMBER: 100441; GRADE: AR; SPECIFICATION: 65% SUPRAPUR; PURITY >65%; LASTEST 16 POINT SAFETY DATA SHEET AND CERTIFICATE OF ANALYSIS TO BE SUPPLIED WITH EVERY DELIVERY	L	25		
	CHEMICAL: TYPE: SULFURIC ACID; FORM: LIQUID; CONTAINER CAPACITY: 2.5 L; CONTAINER: BOTTLE GLASS; COMPOSITION: H2SO4; COLOR: CLEAR/AMBER; CAS REGISTRY NUMBER: 7664-93-9; GRADE: AR	L	1250		
	CHEMICAL: TYPE: FLUORIDE STANDARD SOLUTION; FORM: LIQUID; CONTAINER CAPACITY: 500 ML; CONTAINER: BOTTLE PLASTIC; COLOR: COLORLESS; GRADE: AR; 1.19814.0500; TRACEABLE TO SRM FROM NIST; NAF IN H2O 1000 MG L F CERTIPUR	ml	10 000		
	CHEMICAL: TYPE: ETHANOL 70%; FORM: LIQUID; CONTAINER CAPACITY: 2.5 L; CONTAINER: GLASS; COMPOSITION: C2H5OH; COLOR: CLEAR; GRADE: AR	L	50		
	CHEMICAL: TYPE: METHANOL; FORM: LIQUID; CONTAINER CAPACITY: 2,5 L; CONTAINER: AMBER GLASS; TRADE NAME: METHANOL; COMPOSITION: CH4O, 32,04 G/MOL; COLOR: COLORLESS; CAS REGISTRY NUMBER: 67-56-1; EINECS NUMBER: 200-659-6; GRADE: AR; CERTIFICATE OF ANALYSIS & SDS (GHS COMPLIANT) SHOULD BE DELIVERED WITH THE CHEMICAL.	L	50		

Supply and Delivery of various chemicals at Grootvlei Power Station for a period of 60 months on an as and when required basis.

	CHEMICAL: TYPE: MULTI ELEMENT REAGENT; FORM: LIQUID; CONTAINER CAPACITY: 100ml; CONTAINER: PLASTIC	ml	2000		
	CHEMICAL: TYPE: DP3 TOTAL CHLORINE; FORM: SOLID; CONTAINER CAPACITY: 250 G; CONTAINER: BOX; FOR TESTING POTABLE WATER CHLORINE CONTENT	Ea	1000		

The total of the Prices