The supply and delivery of various Turbine Turbovisory equipment and field Instrumentation as per scope of work at Grootvlei Power Station for as an when required for a period of 5 years

PART 2: PRICING DATA

NEC3 Supply Contract\

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C2.1 Pricing assumptions

1. How *goods* and *service*s are priced and assessed for payment

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

Identified and defined terms	11 11.2	(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. (12) The Price Schedule is the *price schedule* unless later changed in accordance with this contract.
Assessing the amount due	50.2	The amount due is • the Price for each lump sum item in the Price Schedule which the *Supplier* has completed, • where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the *Supplier* has completed by the rate, • plus other amounts to be paid to the *Supplier*, • less amounts to be paid by or retained from the *Supplier*. Any tax which the law requires the *Purchaser* to pay to the *Supplier* is included in the amount due.

This confirms that the Supply Contract is a priced contract where the Prices are derived from a list of items of *goods* and *service*s which can be priced as lump sums or as expected quantities of *goods* and *service*s 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 *service*s 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.

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C2.2 the *price schedule*

"Note**" VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).**

NO	Material description	UNIT	QTY	RATE	TOTAL PRICE
1	Monitor: Bearing Vibration - Type MMS 6120 - turb.plant,24VDC, Ser.9100-00002 (BRG PED)	each	10		
2	Monitor: Shaft Displacement -Turb.plant, Type MMS 6210 - Ser.9100-00003 (diff exp, shaft pos)	each	10		
3	Monitor: Amplifier: Measuring - of inductive displacement sensors - Turb.plant,Type MMS 6410 - Ser.9100-00005 (casing abs exp)	each	10		
4	Monitor: Shaft Vibration - Type MMS 6110 -Turb.plant, 24VDC, Ser.9100-00001 (x/y,)	each	10		
5	Module: Key Phaser - Turb.plant, Type MMS 6310 - Ser.9100-00004 (keyphasor)	each	10		
6	Converter: Eddy current signal, for turbine plant, Type: CON 011, Ser.9200-00001 (shaft pos) , Sensor: Eddy current displacement - Type PR 6424/000-100 - Ser.9200-00077 (shaft position)	each	10		
7	Converter: Eddy current signal for extended measuring range,turb. plant, Type CON 011/916-160 - Ser.9610-00009(HP diff), Sensor: Eddy current displacement - Type PR 6426/000-100 - Ser.9210-00074 (HP)	each	10		
8	Converter: Eddy current signal for extended measuring range,turb.plant,Type CON 011/916-240 - Ser.9610-00011 (LP diff) , Sensor: Eddy current displacement - Type PR 6426/000-100 - Ser.9210-00074 (HP)	each	10		
9	Converter: Eddy current signal, for turbine plant, Type: CON 011, Ser.9200-00001 (x/y, keyphasor)	each	10		

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10	Sensor: Eddy current displacement - Type PR 6423/000-100 - Ser.9210-00100n S/N 9210-00077(keyphasor, x/y)	each	10		
11	Amplifier: Pulse signal amplifier, 3 channels, ISVB 01/01-36-018, 50MA, 24V, 1.2W	each	10		
12	Transducer: Electro-dynamic absolute vibration - Type PR 9268/200-000 - Ser.9200-00071 (HP,LP BRG PED VIBR)	each	10		
13	Transducer: Inductive displacement - in protective housing - Type K20315/03 - Ser.PR9350/02 (HP casing abs exp)	each	10		
14	Amplifier: 3 Way Isolating - Type MINI MCR-SL-I-I-SP - Ser.2864723	each	10		
15	Relay: Coupling - Type EMG 10-REL/KSR-G 24/1-LC AU - Ser.2940087	each	10		
16	Button: Emergency Stop Push - Type Elan Schmersal - Ser.SZT-42-92130-00023	each	10		
17	Transmitter, Pressure: O - 350 KPA - Type CERABAR S PMC 71 - Ser. PMC71-AAA1MBGAABA-1	each	10		
18	Transmitter, Pressure: 0 - 600 KPA - Type CERABAR S PMC 71 - Ser.PMC71-AAA1PBGAABA-1	each	10		
19	Transmitter, Pressure: 0 - 160 KPA Absolute - Type CERABAR S PMC 71 - Ser.PMC71-AAA2MBGAA9A-1 (vacuum pressure)	each	10		
20	Transmitter, Temperature: 4-20mA output, 24V DC Supply for DIN RAIL S/N TMT 121-A1KCB-5	each	10		
21	Transmitter: Process for load cells - Type PR 5210/01 - Ser.SZ50013923	each	10		
22	Switch: Position for Barring Gear - Type 3SE2 100-1E - siemens VDE 0660 Ser.SZ50014114	each	10		
23	Thermocouple: MT + SFPT Journal Bearing - Type 2X NiCr-Ni, 8M Cable - Ser.SZ50000096	each	10		
24	Thermocouple: MT + SFPT Thrust Bearing - Type 2X NiCr-Ni, 8M Cable - Ser.SZ50000255	each	10		

25	Thermocouple: Generator Front Bearing - Type 2X NiCr-Ni, 7M Cable - Ser.SZ50014000-R001	each	10		
26	Thermocouple: Generator Rear Bearing - Type 2X NiCr-Ni, 7M Cable - Ser.SZ50014000-R002	each	10		
27	Thermocouple: MT LOOP PIPE (measuring insert only-no head/spring loaded), 6 X 375 MM - Ser.61-A1K-375, SZ50003858, LP Exhaust Steam	each	10		
28	Thermocouple: MT OUTER CASING - (measuring insert only- no head/spring loaded), 6 X 405MM - Ser.61-A1K-405, SZ50008496, HP Turbine casing bolt shank	each	10		
29	Thermocouple: MT OUTER CASING - (measuring insert only- no head/spring loaded), 6 X 435 MM - Ser.61-A1K-435, SZ50013958, LP Steam chest inner wall	each	10		
30	Thermocouple: MT OUTER CASING -(measuring insert only- no head/spring loaded), 6 X 525 MM - Ser.61-A1K-525, SZ50003636, HP Turbine outer casing flange - inner temperature	each	10		
31	Thermocouple: MT OUTER CASING -(measuring insert only - no head /spring loaded), 6 X 405 MM - Ser.61-A2K-405,SZ50013976, HP Turbine casing inner wall	each	10		
32	Thermocouple: MT INNER CASING -(measuring insert with head/spring loaded), Ser.SZ50013933, HP Turbine inner casing - flange middle & flange inner	each	10		
33	SENSOR: TYPE: SPEED; RANGE: 0-6 MS; RATING: 5 VDC; SUPPL P/N: INT-SSR-250-750BW; PULSE OUTPUT, FOR USE ON COAL PLANT	each	15		
34	HIRSCHMANN POWER SUPPLY - MICE SWITCH POWER MSP30	each	10		
35	HIRSCHMANN MM3 - 4FXM2 MICE Media Module	each	10		

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