

C3.1: *PURCHASER’S* GOODS INFORMATION

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SUPPLY AND DELIVERY OF CONTROLS & INSTRUMENTATION WORKSHOP TOOLS (ASSETS)

1 Overview and purpose of the goods and services

The services are the Supply and Delivery of Performance & Testing Equipment's to execute daily maintenance duties more effectively. The following equipment's are required:

Plant Performance & Testing Require Instruments		
Item No.	Description	Quantity
1	Water cooled probes (7,2m):Standard Pitot tube with 99% K Factor, stainless steel concentric tubes (inner tube and outer tube) with fins between them to divide the flow. Must allow circulation inside the pipe The inner tube, with an ID of 50 mm and an OD of 400 mm, Must have pin guide	6
2	Supply of IR Camera , FLIR850 Imager,	2
3	Horiba PG 350E, Multi gas analysers , full unit with heating and drying system	2
4	Endoscope: Model DS300 FHD:DS300 Dual Camera; Screen Spec 4.3" Super LCD Screen. Waterproof: IP67; Rating for the Probe; Camera Diameter 0.22 In 0.31 In; LED 6 x LED 7 x LED; Best Focal Range 1.96-3.93 in Main cam: 1.2-3.9 In Side cam: 0.8-2.4 In; Video Spec 1080p/25fps; Photo Resoluton 2 MP 2 x 2 MP; Cable Length 16.5 ft; Charging Voltage and current DC 5V/2A LED Indicator Status Red; LED Indicator flash: Charging status Red LED Indicator stay on: Charging finished	1
5	Testo 340 flue gas measuring devices	8
6	Supply of testo 400 Gas analysers	8
7	Supply of stockpile testing equipments probes	6
8	Supply of stockpile testing equipments thermocouples	8
8	Supply of portble ragged dew point meter	3
9	MRU, Optima 7 Analyser, Supply 5V/0.5-1.2A, TUEV by RgG. 280 ENS50370-2(O2, CO,NO,SO2)	4
10	S-Type Pitot Tubes (2.5):Standard Pitot tube with 89% K Factor, stainless steel structural made, with pin guide and thermocouple. Ability to measure total pressure. concentric tubes (inner tube and outer tube) with fins between them to divide the flow. Must allow circulation inside the pipe The inner tube, with an ID of 50 mm and an OD of 200 mm	6
11	S-Type Pitot Tubes (4.5):Standard Pitot tube with 89% K Factor, stainless steel structural made, with pin guide and thermocouple. Ability to measure total pressure. concentric tubes (inner tube and outer tube) with fins between them to divide the flow. Must allow circulation inside the pipe The inner tube, with an ID of 50 mm and an OD of 200 mm	6
11	Oscillation Flow Meter: Measuring ranges: 0 -1000 kg/s; Pmax 30 bar, Tmax 500 degress celcius. Material, stainless steel; accuracy-/+ of reading; Long term stability: Options: Flow computer abalogue and pulse output. To masure air and flue gas in the venturi	2
12	Accelerometer CSI Cables for vibrations monitoring	4

SUPPLY AND DELIVERY OF CONTROLS & INSTRUMENTATION WORKSHOP TOOLS (ASSETS)

13	Temperature Gun: With a rugged, easy-to-use,ergonomic design, the Fluke 575-2 THAT stand up to tough industrial, electrical, and mechanical environments; Measure -30 °C to 900°C; (-22 °F to 1652 °F) 60:1 distance to spot ratio with dual laser sighting for fast, accurate targeting; Multi-language interface; (user select); Current Temperature plus MAX ,MIN, DIF, AVG temperature Displays; Compatible with standard, mini-connector K-type thermocouples; Adjustable emissivity and predefined emissivity table; Infrared and thermocouple; temperature on backlit display; Last reading Hold (20 seconds). High and low temperature; Alarm; Data storage and review (99 data sets); Tripod mount; 12 or 24 hour clock; USB 2.0 computer interface, Cable; FlukeViewR Forms; Documenting Software	8
14	Portable Projector	2
14	Whiteboard 2.4m x 1.2m	3
15	Testo 340 filters - spare dirt filters (10 OFF) - for condensate trap in the gas sampling hose and measurig range extension.	5
16	Emmerson 2140 Quad 4 Channel , Safety rated integrated magnet Triaxial Accelerometer, Provision of CSI software and hardware for a vibration analysis station, including high-precision sensors, data acquisition unit, and integrated database systems for real-time monitoring and diagnostics. THIS INCLUDES IPHONE.	1
17	HS170 Serial Preium serries Accelerometers (100mY/g, Top exit, 2 Pin MS Connector, 1/4-28" UNF Male Mount)	4
17	8.5m S-type Probes with calibration certificate	5
18	CSI Data Collector Cable,Accelerometer connector Pin 2 MS Socket wit protective rubber boot, data collector snnector M12 5 Pole Plu, cable type Colley Cable,Data CollectorCSI2130 & CSI2140	6
19	Emmerson 2140 NECK STRAP ASSEMBLY	4
20	Nova Pro 300 Strobe Light	2
20	Oil Sampling Pump(Wear Check)	2
21	Mallet hammer	2
22	Ultrasound Contact	1
23	Tachometer	2
23	Motion Amplification	1
24	Mini Mass Sampling valve	4
25	Viscosmeter UV200 (viscosity & tan)	1
26	Automated PF Sampler: Whole pack	2
26	Data Logger	4
27	H2 Sniffer	5
28	Incline Manometer	4
29	Thermocouple	10
29	Flowmeters	2
30	Fluke	2
31	Brass tools	4

2 Specification and description of the goods

Plant Performance & Testing Require Instruments		
Item No.	Description	Quantity
1	Water cooled probes (7,2m):Standard Pitot tube with 99% K Factor, stainless steel concentric tubes (inner tube and outer tube) with fins between them to divide the flow. Must allow circulation inside the pipe The inner tube, with an ID of 50 mm and an OD of 400 mm, Must have pin guide	6
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19	Emmerson 2140 NECK STRAP ASSEMBLY	4
20	Nova Pro 300 Strobe Light	2
20	Oil Sampling Pump(Wear Check)	2
21	Mallet hammer	2
22	Ultrasound Contact	1
23	Tachometer	2
23	Motion Amplification	1
24	Mini Mass Sampling valve	4
25	Viscosmeter UV200 (viscosity & tan)	1
26	Automated PF Sampler: Whole pack	2
26	Data Logger	4
27	H2 Sniffer	5
28	Incline Manometer	4
29	Thermocouple	10
29	Flowmeters	2
30	Fluke	2
31	Brass tools	4

2.1 Purchaser's design

Not Applicable

2.2 Procedure for submission and acceptance of Supplier's design

Not Applicable

2.3 Other requirements of the Supplier's design

Not Applicable

2.4 Use of Supplier's design

As per core clause 22.1

2.5 Manufacture & fabrication

The *Purchaser* will not prescribe how the *goods* are to be manufactured and fabricated.

2.6 Factory acceptance testing (FAT)

The *Purchaser* is to witness the goods being tested prior 2 days prior to delivery. The *Supplier* may not restrict *Supply Manager's* right to witness tests.

2.7 Other tests and inspections and commissioning in place of use

The *Supplier* is to commission the *goods* in the place of use after Delivery.

2.8 Operating manuals and maintenance schedules

The *Supplier* to submit Operating and Maintenance procedures (including schedules) 5 days prior to equipment delivery for acceptance by the *Purchaser*.

3 Supply Requirements

The Supply Requirements for this contract are in an Annexure to the Contract Data provided by the *Purchaser*.

4 Specification of the *services* to be provided

These services include training of the *Purchaser's* staff in the use of the *goods*, supervision of installation of the *goods* on the *Purchaser's* property and post Delivery commissioning and monitoring of the *goods* in use. Ensure that all items of service specified can be related to an item in the Price Schedule

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

A programme for delivery to be provided as per Contract data (3 days after contract award).

Delivery to be expedited and concluded prior to 28 February 2024

Weekly progress updates to be communicated timeously.

5.2 Work to be done by the Delivery Date

The *Supplier* provides all the work which the Goods Information states he is to do by the Delivery Date.

5.3 Marking the goods

All goods to be marked as per the manufacturer recommendations.

5.4 Constraints at the delivery place and place of use

The Supplier is to communicate delivery 5 days prior to delivery to site in order for the Purchaser to issue details of the delivery site/place at Kusile Power Station.

5.5 Cooperating with Others

The *Supplier* to cooperate with Others who are identified by the *Purchaser only*.

5.6 Services & other things to be provided by the Purchaser or Supplier

The *Supplier* to provide equipment to offload the equipment at the *Purchaser* site.

5.7 Management meetings

Regular meetings of a general nature may be convened and chaired by the *Supply Manager* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Project Kick-off Meeting	2 days Contract Award	Kusile Power Station	Employer, Contractor and Others
SHEQ Requirements Clarification Meeting	Project Kick-off Meeting	Kusile Power Station	Employer, Contractor and Others
Delivery Progress Meeting	Weekly on Thursdays	Kusile Power Station/online	Employer, Contractor and Others
Risk register and compensation events	As and when required	Kusile Power Station	Employer, Contractor and Others
Other	As and when required	Kusile Power Station	Employer, Contractor and Others

Meetings of a specialist nature may be convened as specified elsewhere in this Goods Information or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the manufacture of the *goods*. Records of these meetings shall be submitted to the *Supply Manager* by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

5.8 Documentation control

The *Supplier* is to submit the two hard copies of all procedures and manual and drawings as well as one soft copy of all documents per equipment.

5.9 Health and safety risk management

The *Supplier* shall comply with the health and safety requirements contained in Annexure A to this Goods Information.

5.10 Environmental constraints and management

The *Supplier* shall comply with the environmental criteria and constraints contained in Annexure A to this Goods Information

5.11 Quality

The *Supplier* shall comply with the quality criteria and constraints contained in Annexure A to this Goods Information.

5.12 Invoicing and payment

Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice showing the amount due for payment equal to that stated in the *Supply Manager's* certificate.

The *Supplier* shall address the tax invoice to *Purchaser* and include on each invoice the following information:

- Name and address of the *Supplier* and the *Supply Manager*;
- The contract number and title;
- *Supplier's* VAT registration number;
- The *Purchaser's* VAT registration number.
- Description of *goods* and *services* provided for each item invoiced based on the Price Schedule;
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
- (add other as required)
- The invoice is to be submitted to **invoiceseskomlocal@eskom.co.za** once confirmed with the payment certificate.

5.13 Insurance provided by the *Purchaser*

As stated in the Contract Data

5.14 Contract change management

All changes to the Contract, such as Contractor management changes or Compensation events shall be communicated through standard NEC SC 3 forms.

5.15 Provision of bonds and guarantees

Not applicable

5.16 Records of Defined Cost, payments & assessments of compensation events to be kept by the *Supplier*

The *Supplier* is required to keep any records of Defined Cost.

6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

Not applicable

6.1.2 Limitations on subcontracting

Not applicable

6.1.3 Spares and consumables

Not Applicable

6.1.4 Other requirements related to procurement

Other requirements such as ASGISA or socio political enhancements the *Supplier* is to provide as part of Providing the Goods and Services (if any) could be included here.

6.1.5 Cataloguing requirements by the *Supplier*

The *Supplier* is to provide technical specification for cataloguing of components identified in the operating and maintenance manuals. The *Purchaser* will issue the forms required to be completed to the *Supplier* on the date of the Kick-off meeting

7 List of drawings

7.1 Drawings issued by the *Purchaser*

This is the list of drawings issued by the *Purchaser* at or before the Contract Date and which apply to this contract.

Drawing number	Revision	Title
Not applicable		

SUPPLY AND DELIVERY OF CONTROLS & INSTRUMENTATION WORKSHOP TOOLS (ASSETS)

C3.2 SUPPLIER'S GOODS INFORMATION

This section of the Goods Information will always be contract specific depending on the nature of the *goods* and *services*.

It is most likely to be required for supply contracts where the tendering supplier will have proposed specifications and schedules for the *goods* and *services*, which once accepted by the *Purchaser* prior to award of contract now become obligations of the *Supplier* per core clause 20.1.

This section could also be compiled as a separate file.
