

TERMS OF REFERENCE



**APPOINTMENT OF A SERVICE PROVIDER(S) TO PROVIDE EQUIPMENT
AND SERVICES TO Coastal KZN College, Swinton Road Campus, Mobeni,
eThekweni IN SOUTH AFRICA**

MACHINING WORKSHOP: TOOLS AND EQUIPMENT



APPOINTMENT OF A SERVICE PROVIDER(S) TO PROVIDE EQUIPMENT AND SERVICES TO Coastal KZN College, Swinton Road Campus, Mobeni, eThekweni IN SOUTH AFRICA:
CUT AWAY VEHICLE COMPONENT MODELS

1. PURPOSE

- 1.1 To appoint a service provider(s) to:
 - 1.1.1 Provide a range of equipment to **Coastal KZN College, Swinton Road Campus, Mobeni, eThekweni** TVET College,
 - 1.1.2 Install and commission (inclusive of training of relevant lecturers) the equipment supplied; and
 - 1.1.3 Train 6 selected lecturers on modern blended learning techniques.

2. BACKGROUND

- 2.1 The public TVET Colleges are governed by the Continuing Education and Training Act, Act 16 of 2006 and fall within the jurisdiction of the Department of Higher Education and Training (DHET). According to the Act, the task of a public TVET College is to -
 - (a) Register students for all learning and training programmes leading to qualifications at levels 2 to 4 of the National Qualifications Framework or such further education and training levels determined by SAQA and 50 contemplated in the South African Qualifications Authority Act, 1995 (Act No. 58 of 1995), which levels are above general education but below higher education; and;
 - (b) take responsibility for the registration of students, the provision and delivery of the curriculum and the assessment of students.
- 2.2 The UNDP, in association with DHET identified three public TVET Colleges to be supported to improve their offerings to students in engineering studies with a focus on the automotive manufacturing sector.
- 2.3 The beneficiary college is –
 - 2.3.1 Coastal KZN College, Swinton Road Campus, Mobeni, eThekweni

3. PROBLEM STATEMENT

Research and feedback from employers indicate that graduates are not sufficiently prepared for the world of work. The reasons are plentiful but at the core are their inability to work with modern, 4IR equipment and a lack of soft skills. Combined these are the two main reasons for graduates not being able to find employment.

- 3.1 Colleges do not have modern digital equipment that are aligned to factory needs in a new 4IR environment.

- 3.2 Colleges do not sufficiently train students in soft skills such as innovative/creative thinking, teamwork, work ethics, leadership and problem solving). At the same time college lecturers are not trained in the delivery of soft skills.
- 3.3 COVID-19 has elevated the need for blended on-line and remote learning. The pandemic has also illustrated that lecturers are not well prepared to work in a digital learning environment.

4 SCOPE OF SERVICES

The successful bidder(s) is expected to provide the following:

- 4.1 Equipment that meets the specifications as set out below.
- 4.2 Deliver, install and commission the equipment supplied
- 4.3 Where necessary, provide training to relevant college lecturers in the use, care and maintenance of the equipment supplied.

General information on the scope of services

- 4.4 All delivery costs, installation, commissioning and training should be included in the price offering.
- 4.5 Training is required, and it can be on-site or if appropriate, virtual.
- 4.6 All hand tools should have at least a one-year warranty and all equipment and machines, a three-year warranty.
- 4.7 After-sales services should be included with a 24hrs turn-around time for machine defects

5. DELIVERABLES

- a) Bidders should bid for complete the complete list below. No partial bids will be considered.
- b) The successful bidder(s) must provide a project schedule that corresponds to the supply, delivery, installation, configuration, training and warranty related to the following:

MACHINING WORKSHOP: This batch is for tools and equipment to establish a machining workshop.

The list below describes in more detail what is required from bidders.

It is the intention to procure tools and equipment needed in a machining workshop. These will be delivered, installed, commissioned and the necessary training will be provided at the Swinton Road Campus of Coastal KZN TVET College in Mobeni, eThekweni.

6. TIME FRAME

The specified requirements are expected to be delivered immediately post award and contract signature and service providers must align their timeframes service requirements as stipulated in section 4 above in line with UNDP procurement processes.

7. BID PRICES

Bidders must express prices for their services in South African currency (Rand). All prices must be inclusive of Value Added Tax and costs to be incurred that are necessary for the execution and completion of the contract in accordance with the bid document. Prices will remain firm for the duration of the contract.

8. BID EVALUATION SYSTEM

The evaluation system will be as per UNDP supply chain management processes, and will be based on the least costly technically qualified bid.

9. AWARDING OF BID

The awarding of bid will be as per UNDP supply chain management processes.

TOOLS AND EQUIPMENT FOR A MACHINING WORKSHOP					
Site: Coastal KZN College, Swinton Road Campus, Mobeni, eThekweni					

Item	Description	Description of Make and Model offered	Qty	Nett unit price excl Vat	Nett Total Price excl Vat
MACHINING WORKSHOP - EQUIPMENT					
1	LATHE 1000MM X 410 / 380VOLT - YUNNAN		2		
2	MILLING MACHINE – PINNACLE VARIABLE SPEED TURRET TYPE R8 /380VOLT		2		
3	DRILL PRESS BELT DRIVEN 20MM CAPACITY 220V		3		
4	DRILL PRESS GEAR DRIVEN – 25MM CAPACITY 380V		2		
5	HORIZONTAL BANDSAW MACHINE – 200MM CAPACITY – 380V – RONG-FU		1		
6	ARBOR PRESS – AP3 3 TON		1		
8	PEDESTAL GRINDER 200MM WHEEL – 380VOLT		2		
9	SHEET METAL BENDING MACHINE – 40TON 4KW 388 VOLT 2000MM TABLE LENGTH. Manual Machine		1		
10	CUTT-OFF MACHINE 400MM X 4KW 380VOLT		1		
11	VERTICAL BANDSAW MACHINE – 380VOLT		1		
12	WELDING MACHINE TIG – 200AMP HF 220VOLT		1		
20	WELDING MACHINE MIG – 200AMP 220VOLT		1		
21	WELDING MACHINE INVERTER – 200AMP 220VOLT		1		
22	COMPRESSOR – PISTON TYPE 4KW 8BAR 200LT 380V		1		
23	SPOT WELDER 3MM PLATE 3+3 220VOLT		1		
24	WATER COOLER FOR THE SPOT WELDER 7LT		1		
MACHINING WORKSHOP - TOOLS					
1	Ball pein hammers -2lb		20		
2	Plastic mallets SKU: THAMPL-040		20		
3	Set of screw drivers (flat - insulated)		10		
4	Set of screw drivers (Philips - insulated)		05		
5	Files set		20		

6	Combination pliers 200 mm		20		
7	Vice-grips 254 mm		20		
8	Long-nose pliers 150mm		20		
9	Circlip pliers (internal)		10		
10	Circlip pliers (external)		10		
11	Torque wrench		04		
12	Pipe wrench		04		
13	Engineering square (75mm)		20		
14	Combination spanner set (8mm to 21 mm)		20		
15	Scribers		20		
16	Centre punches		20		
17	Flat punch sets		20		
18	Shifting spanners-sizes 20 mm (5) & 35mm (5)		10		
19	Socket spanner set 8 mm to 30 mm		05		
20	G-clamps 250mm		10		
21	Pry bars set		03		
22	Hacksaws		20		
23	Wire brushes		20		
24	Mini tool box		20		
25	Hollow punch set – 6-25MM		05		
26	Vernier caliper 150 mm		20		
27	Allen key sets EIGHT BRAND IN STEEL CASE		20		
28	Inside caliper 75mm		20		
29	Inside caliper 200mm		20		
30	Outside caliper 75mm		20		
31	Outside caliper 200mm		20		
32	Jenny caliper 150mm		20		
33	Divider 75mm		20		

34	Divider 200mm		20		
35	Protractors 300mm		20		
36	Combination square 36mm		20		
37	Height gauge 300mm Mitutoyo		10		
38	Height gauge 450 Mitutoyo		10		
39	V-block 75mm		05		
40	V-block 150mm		05		
41	Angle plate		05		
42	Drill angle gauge		05		
43	Steel ruler 300mm		30		
44	Tape measure 5m		05		
45	Micrometers 0-150MM MITUTOYO		20		
46	Telescope gauges MAW		20		
47	Feeler gauges - OMNI		20		
48	Straight edges-1metre		20		
49	Thread pitch gauge set – OMNI		20		
50	12 V Car Battery		02		
51	Inverter 2kW (for demo purposes)		02		
52	Hydrometer		02		
53	3 phase transformer (old one good enough for demonstration)		01		
54	Old Circuit Boards (to practice desoldering/soldering)-		10		
55	Engraver (model 292)		02		
56	Letter punches(6mm-1/4’')		01		
Total excluding VAT					
VAT (15%)					
Total including VAT					