

Open Advertised Bidding

**Supply of 3D Resin Printer, 3D Wax
Printer and Computer for CAD
Software for Jewellery Making**

Procurement Reference No: OAB/3DRWPCCS/18112001



📍 Pope Hennessy Building
25 Pope Hennessy Street
Port Louis, MAURITIUS

☎ 202 0040 🖨 212 5765

✉ info@smemu.org

🌐 www.smemu.org

Letter of Invitation

18 November 2020

To: Bidders

Dear Sir/Madam,

Invitation for Bids for Supply of 3D Resin Printer, 3D Wax Printer and Computer for CAD Software for Jewellery Making

Procurement Ref. No: OAB/3DRWPCCS/18112001

The SME Mauritius Ltd invites you to submit your best bid for the items described in details hereunder. Any resulting contract shall be subject to the terms and conditions referred to in the document.

Queries, if any, should be addressed to the undersigned at SME Mauritius Ltd, 3rd Floor, Pope Hennessy Building, 25, Pope Hennessy street, Port Louis.

Please prepare and submit your bid in accordance with the instructions given.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'T. Moothoosawmy', written over the 'Yours faithfully,' text.

Thennaven P. Moothoosawmy
Executive (Procurement & Supply)
SME Mauritius Ltd

SECTION I: INVITATION FOR BIDS

1. Preparation of Bids

You are requested to quote for the items mentioned in Section III by completing, signing and returning:

- (a) the Bid Letter in Section II with its annex for Bid Securing Declaration, where applicable;
- (b) the Specifications and Performance Requirements in Section III;
- (c) the Priced Activity Schedule in Section IV;
- (d) the Specifications and Compliance Sheet in section V; and
- (d) any other attachment(s) deemed appropriate.

2. Validity of Bids

The Bid validity period shall be **180** days from the date of submission of bid's deadline.

3. Delivery Period

Delivery period shall be within **eight (8) weeks** as from letter of award of contract. Deviation in delivery period will not be accepted.

4. Sealing and Marking of Bids

Bids should be sealed in a single envelope, clearly marked with the Procurement Reference Number, addressed to **SME Mauritius Ltd** with the Bidder's name at the back of the envelope.

5. Submission of Bids

Bids should be deposited in the Tender Box located at **SME Mauritius Ltd, 3rd Floor, Pope Hennessy Building, 25, Pope Hennessy street, Port Louis, not later than 02 December 2020 before 14:00 hrs.** Late bids will be rejected.

Bids received by e-mail, by fax or by post will not be considered.

6. Bid Opening

Bids will be opened by **SME Mauritius Ltd, 3rd Floor, Pope Hennessy Building, 25, Pope Hennessy Street, Port Louis, on 02 December 2020 at 14:10 hrs.** Bidders or their representatives may attend the Bid Opening, if they choose to do so.

7. Evaluation of Bids

SME Mauritius Ltd shall have the right to request for clarifications during evaluation. Offers that are substantially responsive shall be compared on the basis of price, to determine the lowest evaluated bid.

8. Eligibility Criteria

To be eligible to participate in this Bidding exercise, you should:

- (a) have the legal capacity to enter into a contract to supply the goods and related services;
- (b) not be insolvent, in receivership, bankrupt, subject to legal proceedings for any of these circumstances or in the process of being wound up;
- (c) not have had your business activities suspended;
- (d) not have a conflict of interest in relation to this procurement requirement; and
- (e) have a valid trading licence.

Documents Establishing Conformity of Goods and Related Services

Bidders shall submit along with their bids the documents marked hereunder:

(a)	Documents to establish conformity of goods with requirements highlighting deviation(s).	<input checked="" type="checkbox"/>
(b)	A list of sources and prices of spare parts, consumables and special tools, etc., to ensure continuous functioning of the Goods.	<input checked="" type="checkbox"/>
(c)	Documentary evidence to prove that any alternative goods offered other than the one specified is equivalent or superior.	<input checked="" type="checkbox"/>
(d)	Evidence of the bidder's technical capacity to be furnished by one or more of the following means: (i) a list of the main deliveries effected in the past three years. (ii) Any Quality Assurance Certificate from a recognised body attesting the conformity of the goods with respect to specifications conformity. (iii) Three clients' references for similar machines/equipment. (iv) Proof of having worked on similar projects. (v) Proof of Industry Experience.	<input checked="" type="checkbox"/>
(e)	Financial Statements for the last three years, if available.	<input checked="" type="checkbox"/>
(f)	(i) Established address of Business (Office/Showroom) from which bidder operates. (ii) Number of years in business (Certificate of Incorporation, Business Registration Card).	<input checked="" type="checkbox"/>

10. Technical Compliance

Bidders shall submit along with their bid documents, catalogues and any other literature to substantiate compliance with the required specifications and to qualify deviations, if any, with respect to Purchaser's requirements.

11. Prices and Currency of Bids.

Bids shall be priced in Mauritian Rupees.

12. Bid Securing Declaration

Bidders are required to submit a Bid Securing Declaration for this procurement process

13. Award of Contract

The Bidder having submitted the lowest evaluated responsive bid and qualified to supply the goods items and related services shall be selected for award of contract. Award of contract shall be by issue of a Purchase Order/Letter of Acceptance.

14. Performance Security

The successful bidder shall upon acceptance of its offer submit a Performance Security as per the format contained in the Schedule for an amount of **10 %** of the contract price.

15. Notification of Award and Debriefing

SME Mauritius Ltd shall after award of contract, exceeding Rs 1 million, promptly inform all unsuccessful bidders in writing of the name and address of the successful bidder and the contract amount.

Furthermore, SME Mauritius Ltd shall attend to all requests for debriefing for contract exceeding Rs 1 million, made in writing within 30 days the unsuccessful bidders are informed of the award.

16. Integrity Clause

SME Mauritius Ltd commits itself to take all measures necessary to prevent corruption and ensures that none of its staff, personally or through his/her close relatives or through a third party, will in connection with the bid for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.

17. Rights of SME Mauritius Ltd

SME Mauritius Ltd reserves the right:

- (a) to **split the contract**;
- (b) to accept or reject any bid; and
- © to cancel the bidding exercise prior to award of contract without incurring any liability whatsoever.

SECTION II: BID LETTER

(to be completed by Bidders)

[Complete this form with all the requested details and submit it as the first page of your bid with the Price list and documents requested above. A signature and authorisation on this form will confirm that the terms and conditions of the OAB prevail over any attachments. If your bid is not authorised, it will be rejected.]

Bid addressed to:	SME Mauritius Ltd
Procurement Reference Number:	OAB/3DRWPCCS/18112001
Subject Matter of Procurement:	Supply of 3D Resin Printer, 3D Wax Printer and Computer for CAD Software for Jewellery Making

- (a) We offer to supply the items listed in Sections III and IV as per the defined specifications, and, in accordance with the terms and conditions stated in your Invitation for Bids referenced above.
- (b) We confirm that we are eligible to participate in this Quotation exercise and meet the eligibility criteria specified in Section I: Invitation for Bids.
- (c) We undertake to abide by the Conduct of Bidders and Suppliers as provided under section 52 of Public Procurement Act during the procurement process and the execution of any resulting contract.
- (d) We have read and understood the content of the Bid Securing Declaration (BSD) attached hereto and subscribe fully to the terms and conditions contained therein. We further understand that this subscription shall be construed as a Bid Securing Declaration which could lead to disqualification on the grounds mentioned in the BSD.
- (e) The validity period of our Quotation is **180 days** from the date of the bid submission deadline.
- (f) We confirm that our quoted prices in the Priced Activity Schedule are fixed and firm and will not be subject to revision or variation, if we are awarded the contract **prior to the expiry** date of the Bid validity.
- (g) The delivery period offered, from the date of issue of Purchase Order/ Letter of Acceptance, is as shown in Section IV.
- (h) We have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption during our participation in the bidding process and we commit ourselves to observe the same principles if awarded the contract and during its execution.

We understand that transgression of the above is a serious offence and appropriate actions will be taken against such bidders/suppliers.

Bid Authorised by:

Name of Bidder		Company's Address and seal	
Contact Person			
Name of Person Authorising the Bid:		Position:	Signature:
Date		Phone No./E-mail	

Appendix to Bid Letter

BID SECURING DECLARATION

By subscribing to the undertaking in the Bid letter:

I/We* accept that I/we* may be disqualified from bidding for any contract with any Public Body for the period of time that may be determined by the Procurement Policy Office under section 35 of the Public Procurement Act, if I am/we are* in breach of any obligation under the bidding conditions, because I/we*:

- (a) have modified or withdrawn my/our* bid after the deadline for submission of bids during the period of bid validity specified by the me/us in the Bid letter; or
- (b) have refused to accept a correction of an error appearing on the face of the bid; or
- (c) having been notified of the acceptance of our bid during the period of bid validity, (i) have failed or refused to execute the Contract, if required, or (ii) have failed or refused to furnish the Performance Security, in accordance with the Instructions to Quote.

I/We* understand this Bid Securing Declaration shall cease to be valid (a) in case I/we am/are the successful bidder, upon our receipt of copies of the contract signed by you and the Performance Security issued to you by me/us ; or (b) if I am/we are* not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our* bid.

In case of a Joint Venture, all the partners of the Joint Venture shall be jointly and severally liable.

Name of Bidder		Company's Address and seal	
Contact Person			
Name of Person Authorising the Bid:		Position:	Signature:
Date		Phone No./E-mail	

SECTION III: SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

1. Scope of Supply

SME Mauritius Ltd proposes to acquire **One 3D Resin Printer, One 3D Wax Printer and One Computer for CAD Software for Jewellery Making**. The successful bidder will have to cater in its costs the delivery of all the items to SME Mauritius Ltd, Coromandel, Mauritius. The machines/equipment's details are as follows:

Item 1 - 3D RESIN PRINTER - Jewellery

Specifications:

The 3D printer Complete Package must include:

- 1x 3D printer
- 1x Resin Tank
- 1x Build Platform
- 1x Wash
- 1x Cure
- 1x Finish Kit
- 1x Resin Cartridge 1L (Standard Resin)
- 1x Extended Pro Service Plan (2 years cover)
- PreForm software (download)

Technical specifications

Print Technology	Low Force Stereo lithography (LFS)
Resin Fill System	Automated
Material(s)	Resins 1 litre cartridges
Resin Cartridges	1
Resin Fill System	Automated
Dimensions	405mm (w) x 375mm (d) x 530mm (h) 15.9" (w) x 14.8" (d) x 20.9" (h)
Minimum Access Dimensions	405mm (w) x 530mm (d) x 780mm (h) 15.9" (w) x 20.9" (d) x 30.7" (h)
Weight	17.5kg

Max Build Size	145mm (w) x 145mm (d) x 185mm (h) 5.7" (w) x 5.7" (l) x 7.3" (h)
Layer Thickness (axis resolution)	25 - 300 microns
Laser Spot Size (FWHM)	85 microns 0.0033"
Laser Power	One 250m W laser
Supports	Auto-generated Light-touch removal
Operating Temperature	Auto-heats to 35°C
Temperature control	Air-heated print chamber
Design file input format	STL / OBJ
Power requirements	100 - 240V, 2.5A, 50/60 Hz, 220 W
Laser specifications	1 Light Processing Unit EN 60825-1:2007 certified Class 1 Laser Product n405 nm wavelength 250m W power85 micron (0.0033 in) laser spot
System requirements	Windows 7 (64-bit) onwards OpenGL 2.1 4GB RAM
Connectivity	Wi-Fi (2.4, 5 GHz) Ethernet (1000 Mbit) USB 2.0
Printer control	5.5" Interactive touch-screen 1280 x 720 resolution
Alerts	Touchscreen alerts SMS/email via Dashboard Two LED status indicators Speaker for audio alerts

PreForm Print Setup Features	<p>One-click print</p> <p>Adaptive layer thickness for faster printing with fine details</p> <p>Remote Print</p> <p>Auto-orient for optimal print position</p> <p>Auto-mesh repair</p> <p>Auto-generation of supports</p> <p>Rotate, scale, duplicate and mirror</p> <p>Layer slicer for path inspection</p>
Dashboard Printer Management Features	<p>Manage prints and printers via the cloud</p> <p>Track resin and tank usage over time</p> <p>SMS and email alerts</p> <p>Create enterprise group accounts with admins to more easily share printers & control access</p>

Item 2 - 3D Wax Printer - Jewellery

Specifications

Dimensions	21.4 x 18 x 16 inches (558 x 495 x 419 mm)
Build Envelope	6 x 6 x 4 inches (152.4 x 152.4 x 101.6 mm)
Weight	801 lbs (40kg)
Power	240 V Required
Operating Temperature	60° to 75°F (16° to 24°C)

Humidity	40-60%
Layer Thickness	User Selectable – 0.00025 inch (0.00635 mm) to 0.003 inch (0.0762 mm) at 0.00025 (0.00635 mm) increments
Resolution	5000 dots/inch (197 X 197 dots/mm) in X, Y
Accuracy	±0.005 inch (127 µm) for 1st inch (25.4 mm), ±0.001 inch/inch (25.4 µm) each additional inch X, Y and Z
Surface Finish	Layer thickness-dependent, up to 32 micro-inches (RMS)
Start Process	Fully automated, one-touch operation
Status Monitoring	Fully automated fault detection, restarts build from point of interruption
Calibration Capacity	Quicker calibration and ability to select calibration frequency means less wasted material
Midas Castable Material	Proprietary model material formulated for clean burnout, producing 100% direct casting results
Melt Dissolvable Support	Proprietary support material engineered to dissolve completely, hands-free, resulting in superior surface finish
Material Monitoring	Display indicates build and support material levels accurately in 10% increments

Software & system requirements:

- One-Click Software- Automatically formats CAD files for 3D printing
- CAD File Input- stl and slc files

- System- Windows, PC-to-printer connectivity via high-speed USB 2.0 or Ethernet

ITEM 3 - Computer for CAD Software

- **Specifications**
- Processor: i7
- Memory: 32Gb
- Storage: SSD 1Tb
- Operating System: Windows 10 Pro
- Backup HDD: Yes
- Monitor: 21"
- Video Card: 256 Mb VRAM

Plus Antivirus License for one year

All machines/equipment shall comply with the **latest European standards** and the same **shall be indicated in the offer**. **Warranty period** for each machine/equipment is to be mentioned by the bidder. The bidder may price for additional tools they deem necessary for the project provided they give the price breakdown of each of them separately as Annex.

2. Electrical Power Supply

The bidder should indicate each machine/equipment's corresponding power (Voltage and Wattage) requirement in the bidding document. Power supply is available on site. All electrical cables forming part of the machines/equipment shall be supplied by the successful bidder. The feeder cables from the main distribution board to the machines/equipment shall be the client's scope.

3. Technical Data

The dimensions, layout and power rating of each equipment shall be submitted at bid submission stage.

The routine tests/maintenance to be carried out on each machine/equipment must be detailed in the bid so that the client can know the cost of running such machine/equipment. All machines/equipment shall be delivered with technical manuals (operation and maintenance) / catalogues and electrical schematics as appropriate, if any. The brands/models of the machines/equipment shall be clearly mentioned in the technical data sheets.

4. Training

Training (**minimum 3 months**) shall be provided to at least 2 SME Mauritius Ltd.'s personnel for inspection, operation and maintenance of the machines/equipment. The training shall also include the basic troubleshooting and methods of problem prevention. **This training part is billed separately** and the client has the right to exclude it from the offer.

5. List of Spares

The bidder shall include a list of spare parts that are deemed to be necessary for the smooth running of all the machines/equipment.

6. Delivery Period

Delivery period is **within eight (8) weeks as from letter of award**. Any non-conformity with respect to delivery period shall be clearly mentioned in the bid.

SECTION IV: PRICED ACTIVITY SCHEDULE

Procurement Reference Number: OAB/3DRWPCCS/18112001

Currency of Bid: MRU

S/N	Machines/Equipment	Qty	Unit Price Inc VAT	Total Price Inc VAT
1	3D Resin Printer - Jewellery	1		
2	3D Wax Printer - Jewellery	1		
3	Computer for CAD Software (with Antivirus license for one year)	1		
4	Installation and Commissioning	Sum		
5	Training	Sum		
6	Yearly Maintenance Cost	Sum		
TOTAL PRICE (MRU - VAT INCLUSIVE - CIF - COROMANDEL MAURITIUS)				

Delivery Period:

Priced Activity Schedule Authorised By:

Name:		Signature:	
Position:		Date:	
Authorised for and on behalf of:	Company		

SECTION V: SPECIFICATIONS AND COMPLIANCE SHEET

Procurement Reference Number: OAB/3DRWPCCS/18112001

Specifications and Compliance Sheet for Supply of 3D Resin Printer, 3D Wax Printer and Computer for CAD Software for Jewellery Making

(Bidders should complete columns C and D)

Item No.	Machines/Equipment (Specifications as per section III)	Compliance of Specifications Offered (Yes/No)	Details of Non-Compliance / Deviation (if applicable)
01	3D Resin Printer - Jewellery		
02	3D Wax Printer - Jewellery		
03	Computer for CAD Software (with Antivirus license for one year)		

Name:		Signature:	
Position:		Date:	
Authorised for and on behalf of:	Company		

SCHEDULE 2: PERFORMANCE SECURITY (BANK GUARANTEE)

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

Date: *[insert date (as day, month, and year) of Bid Submission]*

Procurement Reference No. and Title: **OAB/3DRWPCCS/18112001 “Supply of 3D Resin Printer, 3D Wax Printer and Computer for CAD Software for Jewellery Making”**

Bank’s Branch or Office: *[insert complete name of Guarantor]*

Beneficiary: **SME Mauritius Ltd**

PERFORMANCE GUARANTEE No.:*[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert day and month]*, *[insert year]* with you, for the supply of *[description of goods and related services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a Performance Guarantee is required.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)¹ in figures and words]* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert number]* day of *[insert month]* *[insert year]*,² and any demand for payment under it must be received by us at this office on or before that date.

[signatures of authorized representatives of the bank and the Supplier]

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- 1 The Bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.
 - 2 Dates established in accordance with Clause 18.4 of the General Conditions of Contract ("GCC"), taking into account any warranty obligations of the Supplier under Clause 16.2 of the GCC intended to be secured by a partial Performance Guarantee. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the Bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: "We agree to a one-time extension of this Guarantee for a period not to exceed *[six months]* *[one year]*, in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."

BID CHECKLIST

Procurement Reference No.: OAB/3DRWPCCS/18112001

Description	Attached (please tick if submitted and cross if not)
Bid Letter	
Bid Securing Declaration	
Priced Activity Schedule	
Specifications and Compliance Sheet	
Evidences for Conformity of Goods	
Catalogue/s	

Disclaimer: *The list defined above is meant to assist the Bidder in submitting the relevant documents and shall not be a ground for the bidder to justify its non-submission of major documents for its bid to be responsive. The onus remains on the Bidder to ascertain that it has submitted all the documents that have been requested and are needed for its submission to be complete and responsive.*