

**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA
P.O. Burla Engg. College, Dist. Sambalpur - 768018**

No: VSSUT/Prod/NTM/ 9964

Date: 05.11.2014

INVITATION FOR BID

Sealed Quotations are invited from Reputed Manufacturer registered under VAT/Income tax for supply of **Laser Micromachining System** for the University. For Detailed Specifications and other Information, Please Visit our University Web Site: www.vssut.ac.in. The last date of receipt of Bid is **11AM, 13.12.2014.**

Sd/ Comptroller of Finance

Memo No. VSSUT/Prod/NTM/

9965 (5)

Date: 05.11.2014

Copy to:

- 1) The Adv. Manager ACI, Bhubaneswar with a request to publish above in one issue of The Times of India (All India Edition) & The Samaj (All Odisha Edition) using minimum space as per the VSSUT rate contract.
- 2) Dean, F&P for information and necessary action.
- 3) S.O. Accounts for information and necessary action the expenditure is chargeable to university fund.
- 4) PA to VC for kind information of Vice Chancellor.

Comptroller of Finance

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA
Department of Production Engineering

P.O.EngineeringCollege

Burla, Pin-768 018



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QUOTATION CALL LETTER

Memo.No:VSSUT/PE/

/2014

Date.

From,
Comptroller of Finance
Veer SurendraSai University of Technology
Po-Engineering College
Pin-768018
Burla (Odisha)

You are requested to send Quotation along with up-to-date Income and Sale Tax clearance for the supply of the following materials at the premises of VSSUT, Burla within office hour by **11 A.M. of Date:13.12.2014.**

Sl. No	Description of the material with specification	Quantity	Remarks
1.	<u>LASER MICRO MACHINING SYSTEM</u> <ul style="list-style-type: none">· Diode Pumped ND:YAG Laser· Max. output Power : 75W· Working Area : 300 mm X 300mm· Vacuum fixture plate size: 200mm x 200mm· Z axis travel: 50mm (Automatic)· CCTV Camera· Servo Control Drive· Software : I Mark Plus· UPS:2 KVA (Online)· Isolation Transformer· Vacuum Generator with Air Compressor for holding the Job with Dust Abstractor Unit Specification sheet : Annexure – I. Standard version (for laboratory purpose) along with necessary training and installation.	One	

ANNEXURE - I
TECHNICAL SPECIFICATION

LASER HEAD

Laser: Diode Pumped ND:YAG Laser
Wavelength: 1.064 μ m
Transverse Mode: TEM₀₀
Beam Quality: M₂ < 2.0

Q-SWITCHED PERFORMANCE AT 3kHz

Average Power: 75Watts
Pulse Width, nominal: 110ns
Peak Pulse Power: 75kW
Pulse Stability (peak-peak) : 5%

CONTROLLER & CNC SYSTEM

Axis Travel (X & Y) : 200mm
Working Area: 300 x 300mm
Resolution: 5 micron
Line Width: < 30 micron
Repeatability: =3 microns
Max. Scribing Speed: 140mm/second
Laser Repetition Frequency: 100Hz to 100kHz
Axis (mm) : 175x175/3x312
Controller: PC based
Cooling: Water Cool
Drive: Servo Control Drives

VISION SYSTEM

CCTV Camera: In built

MECHANICAL

Dimensions: (L) 2000mm x (W) 807 mm x (H) 1700mm
Connect Load : 230v/50HZ-115v/60HZ, 184 kW

SOFTWARE : Dedicated software for Solar Cell Cutting Application with other micro machining shape applications.

Desktop with latest configuration for installation of software

You are requested to submit the details of process, technical specification and proof of proprietary item.

By Order of the Vice-Chancellor

Sd-
Comptroller of Finance

Memo No. VSSUT/PE//

/2014

Date:

Comptroller of finance