

## Enquiry Note

Date: 06.01.2021

Enquiry Ref. No.: CWS/2020-2021/Enquiry/201

Due date: 27.01.2021

### List of items required

Sl. No.	Description	Quantity
1.	Portable CNC Plasma & Oxyfuel dual profile cutting machine Technical Specifications as per Annexure.	ONE

- Please submit your hard copy quotations as two bids, technical and commercial bids separately.
- Please send the technical and commercial bids in two separate sealed envelopes.
- Note that IIT Madras is eligible for 5% concessional GST for its purchases for research purpose. Relevant certificate will be issued upon production of Tax Invoice prepared with 5% GST.
- Please attach the product catalog of the Portable CNC Plasma & Oxyfuel dual profile cutting machine which is submitted for this enquiry.
- Submit the list of industries / Institutions where the quoted product has been supplied along with their contact details.
- If necessary, technical evaluation will be carried at your factory/your customer premises.
- Technical bids will be shortlisted after stringent technical evaluation for the technical specifications and performance of the machine as well as after sales technical support.
- Please mention electrical and civil installation requirements for installing the quoted machine.
- Please mention standard terms and conditions like taxes, delivery / unloading charges, delivery period, insurance, warranty and validity.
- Please send details of standard accessories covered with the quoted cost. Please quote your cost separately for standard / optional accessories that are not covered in annexure.
- Items need to be supplied only after clear purchase order from us.
- Every attempt will be made to settle payment within 30 days after supply, installation and commissioning of ordered items.
- Quotations to be submitted in the name of  
“The Professor – in – charge  
Central Workshop,  
Indian Institute of Technology Madras  
Chennai – 600 036.”

Annexure

Date: 06.01.2021

Enquiry Ref. No.: CWS/2020-2021/Enquiry/201

Due date: 27.01.2021

Technical specification of Portable CNC Plasma & Oxyfuel dual profile cutting machine:

Cutting area	1500-1600mm x 3200-3400mm
Maximum Traverse Speed	Up to 6000-7000mm/min
Working voltage for cutting machine	Single phase, 220 – 230 V AC
Working voltage for plasma unit	Three phase, 400 – 440 V AC
Output current range for plasma unit	30 to 120 A
Maximum Cutting thickness	Plasma: Up to 15 mm Oxyfuel: Up to 50 mm (for mild steel)
Features	<ul style="list-style-type: none"><li>• User friendly and automated functions for CNC cutting applications.</li><li>• CNC controller should be fully integrated with the cutting machine.</li></ul>
Tools and accessories	<ul style="list-style-type: none"><li>• CNC cutting bed</li><li>• Oxygen and fuel regulator with adapter</li><li>• Oxygen and fuel hoses from cylinders to cutting machine</li></ul>