

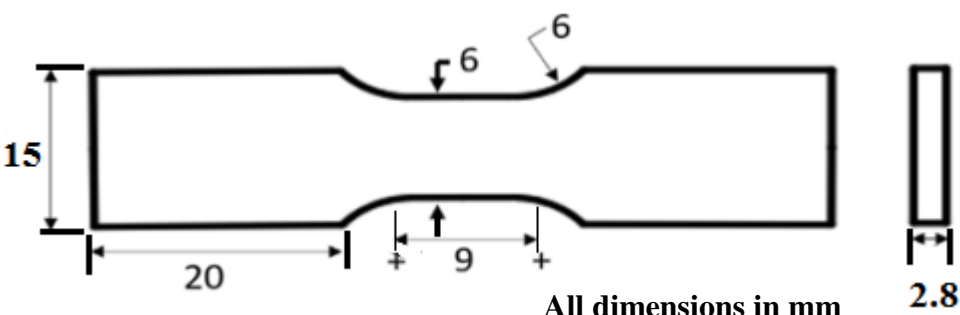
December 09, 2022

Enquiry No.: 01/AE&AM/NK/CPDA/2020-22

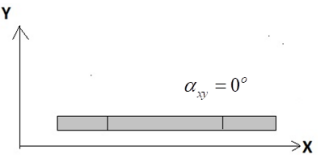
Notice Inviting Quotations

Quotations are invited for the supply of the following items/consumable as per mentioned specifications under CPDA account of **Dr. Niloy Khutia**, Associate Professor, Department of Aerospace Engineering and Applied Mechanics (**approval order no: 1620/D(FW)/22 dated 7th December, 2022**). The sealed quotations should be addressed to the Head of the Department indicating enquiry number with date on the top of the envelope.

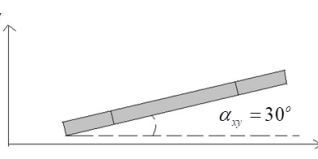
The quotation should include all kind of taxes/duties and delivery charges of the item to the Office of the Department of Aerospace Engineering and Applied Mechanics, IEST Shibpur.

Sl No.	Description/Specification of Items/Works
1.	<p>Preparation and supply of additively manufactured tensile test specimens of the material AlSi10Mg as per the following specifications and drawing (Fig. 1).</p> <p>Manufacturing Process: Material : Metal 3D printed (DMLS) AlSi10Mg material, scanning strategy : 67 degree rotation in between layers or as per preferred setting of the Machine with chessboard scanning strategy (Fig. 3) with Build Direction : 0, 30, 45, 60, 75, 90 degrees to horizontal (Fig. 2). Stress Relieving (HT), sand Blasting & Inspection.</p> <div style="text-align: center;">  <p style="text-align: center;">All dimensions in mm</p> </div> <p style="text-align: center;">Fig. 1</p>

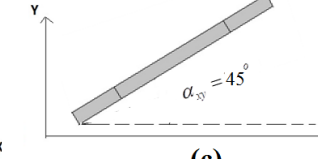
Sl No.	Description/Specification of Items/Works				
	Sl No.	Quotation needed for quantity	Specimen Details	Build Direction	Laser Scanning Strategy
	1.	Price for 14 specimens	Flat Specimens (as per Fig.1)	Fig 2(a)	Fig 3
	2.	Price for 14 specimens		Fig 2(b)	Fig 3
	3.	Price for 14 specimens		Fig 2(c)	Fig 3
	4.	Price for 14 specimens		Fig 2(d)	Fig 3
	5.	Price for 14 specimens		Fig 2(e)	Fig 3
	6.	Price for 14 specimens		Fig 2(f)	Fig 3



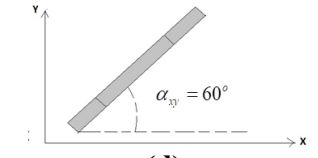
(a)



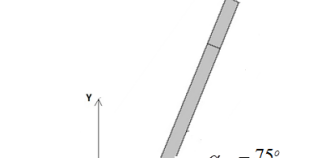
(b)



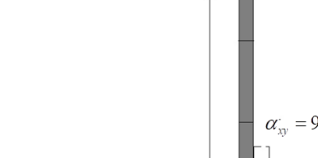
(c)



(d)



(e)



(f)

Fig. 2

N.B- YX is the Front Door of the building

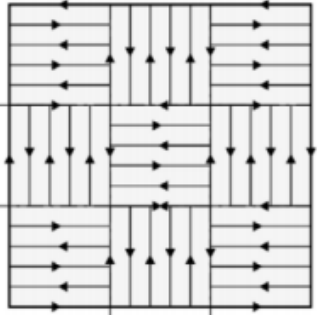


Fig. 3 Chessboard scanning strategy

Department of Aerospace Engineering and Applied Mechanics
Indian Institute of Engineering Science and Technology, Shibpur,
P.O Botanic Garden, Howrah-711103, West Bengal, India

Last date of submission of sealed quotation is **4:00 P.M on 21st December, 2022** and tenders will be opened at **05:00 P.M on 21st December, 2022** in the Office of the Department of Aerospace Engineering and Applied Mechanics, IEST Shibpur.

(Dr. Sujay Kumar Mukherjea)
Professor and Head
Department of Aerospace Engineering and Applied Mechanics
IEST, Shibpur