



# National Centre for Physics

## Detailed specification Document

Annex-269

S#	Machine Shop Items (Durables)			
	Title of Procurement Item	Specification	A/U	QTY
1.	Deburring Tool	Deburring tool for SS, MS and Al, Size 5" x 5/8" Vertex or Equivalent	No	1
2.	Boring Head Set	Boring Head Set, NT-50, Drilling Depth 120 mm, Turning range 10-240 mm, VBHC-NT-50-BC-3, Vertex or Equivalent	No	1
3.	Pivot Clamp	Pivot Clamp VCB-405 T-slot size 18, L size M16x6", Vertex or Equivalent	No	2
4.	Angle level	Angle Level digital, Vertex or Equivalent	No	1
5.	Dremel	Dremel 4300-9/64 Versatile Rotary Tool Kit with Flex Shaft - 9 Attachments & 64 Accessories - Ideal for Engraving, Etching, Sanding, and Polishing, Dremel or equivalent	No	1
6.	Welding glasses	Auto Darkening Welding Glasses, Sensor 2, Light state 4, Dark shade 11, Brand: Miller or Equivalent	No	1
7.	Bearing induction heater	Bearing Induction Heater, Bore size minimum 10mm to maximum 200mm	No	1
8.	Digital Vernier	Digital Vernier, Mitutoyo or equivalent, L=500mm	No	1
9.	Tool Box	Tool Box, 110 Pcs tool chest set, portable (Stanley or equivalent), STMT 81243 or equivalent	No	1
10.	Welding Table	Welding Table, Surface flatness 0.2 - 0.4mm on 1000mm. Table length 2400 mm, Table width 1200 mm	No	1
11.	Grinder	Grinder 5", Standard, corded, Dewalt or equivalent	No	1
12.	Grinder	Grinder 4", Standard, corded, Makita or equivalent	No	1
13.	Drill Machine	Hand drill machine, HEAVY-DUTY DRILL, Drilling Dia.: In Steel: 32 mm, In Aluminium: 70 mm; In wood 70 mm, Power Input: 1500 W, No-load Speed: 210/330/470/740 rpm, Dewalt or equivalent	No	1
14.	Helmet for welding	Hi Tech Automatic Helmet, Eye tech helmet 5-13 or equivalent, can be used for Mig, Tig and Gas Welding applications	No	1
15.	Welding mask	TIG Welding Mask (Respirator), Welding & grinding full-face respirator with O-A-X Cartridge (PARCIL safety or equivalent)	No	1
16.	Bore Gauge	Short leg dial Bore Gauge 2.0"-6", Mitutoyo or equivalent,	No	1 set
17.	Bandsaw machine blade	Bandsaw machine blade, height 27 mm, thickness 0.9 mm, length 3300 mm.	No	1
18.	Impact Wrench	Corded Impact wrench ½", Makita or equivalent	No	1
19.	Revolving Centre	Revolving Centre: Heavy Duty - R Model (CNC - Interchangeable, Profiled Point, Carbide Tipped,	No	1
20.	Line-up vice	Flexible Line up Vice, VFS-5050, Vertex or Equivalent	No	2
21.	Inside micrometer	Inside micrometer digital mm, Mitutoyo or equivalent	No	1 set
22.	Plasma Cutter	Plasma Cutter, for plasma cutting and gouging materials including mild steel, brass, stainless steel, copper, and aluminum. 20-60A, Air or Nitrogen,	No	1