



# National Centre for Physics

## Detailed specification Document

**A-271**

S#	Title of the Project		QTY
	Item	Specification	
1.	Heat-Resistant gloves (pair)	Temperature Resistant up to 500 degrees, Medium size, Kevlar & Aramid Fibers.	15
2.	Safety Goggles	Material should be polycarbonate, having a proper aeration system without letting in harmful fumes or dust particles, high-quality PC-lens options, and a good-fitting pair will be more comfortable.	20
3.	Lab Coat	Materials should be FR-treated cotton or Nomex, which is flame-resistant. Size: 10x (M), 5x (L).	15
4.	N95 Mask	Medium size	50
5.	First Aid Kit	Must include bandages, Sterile gauze pads, Cotton wool, Antiseptic solution, Adhesive tape, Scissors, Tweezers, Disposable gloves, Pain relief medicine, Antiseptic cream, burn ointment, Thermometer, Hand sanitizer, Safety pins, first aid manual etc	5
6.	Fire Extinguisher	Dry powder-based fire extinguisher, capacity 6kg, Cylinder materials should be Deep-drawn alloy steel or ST12 with epoxy powder coating for corrosion resistance.	6
7.	Eye Wash Station & gallon	Polyethylene Lab 6 Gallon Wall-Mounted Emergency Eye Wash Portable Eye Wash Station	6
8.	Nitrile-resistant gloves (pair)	Material should be synthetic rubber chemical and abrasion resistant, standard/ medium size	15
9.	Safety Shower	Must provide a minimum of 20 GPM (76 liters/min) for 15 minutes of continuous operation, the valve must activate in one second or less and remain open without the use of the operator's hands ,Corrosion-resistant materials, typically stainless steel or galvanized steel with powder coating, are standard for laboratory environments	2
10.	Eye wash shower complete set	High-grade solid stainless steel construction, Independent operation: shower via pull rod, eyewash via paddle, Continuous flow until manually shut off, 1¼" water inlet size, Operating pressure range: recommended 2 bar/ minimum 1.5 bar/ maximum 8 bar	5
11.	Gas Leak Detector	Capable of detecting small leaks in the PPM for laboratory purpose, Integrated Buzzer for Alarm limits violation with Acknowledgment facility, Software calibration facility, 'Calibration Due' and 'Sensor Replace' indication.	3
12.	Full Face Mask (Chemical mask )	3M™ Reusable Full Face Mask 6000 Series (6700, 6800, 6900): Extremely common, lightweight (approx. 400g), silicone faceseal, with a large polycarbonate lens.	10
13.	Exhaust fan	12 Inches wall mounted exhaust fan, square shaped, Brand: Feidiao	5
14.	Oxygen Mask	Avox 289 Series, Continuous flow, Lightweight, yellow medical-grade silicone for high visibility during emergencies	15
15.	Thermal windproof, waterproof jacket	<ul style="list-style-type: none"> <li>• Size: 3 (XXL) 2(XL), 4(L), 4(M), 2(S)</li> <li>• High quality Protective Clothing Kit for extreme cold weather</li> <li>• Temperature upto -20 °C</li> <li>• Our recommended brands include North Face, Helly Hansen, and Columbia.</li> </ul>	15
16.	Thermal windproof, waterproof trouser		15
17.	Thermal woolen socks		20
18.	Waterproof winter gloves with thermal		15

	insulation		
19.	Thermal lightweight fleece-lined base layer (sweatshirt+ pants)		15
20.	Waterproof Insulated Rain and Winter Snow Boots		15
21.	Balaclava Fleece Mask with Face Cover, Water Repellent, Windproof for Extreme Cold Weather		15
22.	Fleece Lined Beanie Soft Warm Knit Hat Ski Stocking Cuffed Cap		15
23.	Waterproof Cargo Breathable SWAT Army Solid Color Combat Work Joggers		15