

ANNEXURE- 1

(Technical specification for items – 1)

Item No. 1: Reusable full face gas masks

FULL FACE MASK	Reusable full face gas masks compatible for 3M-6800 model gas cartridges. Gas mask shall have provision for fitting of two gas cartridges .
Protection Factor	50 times PEL
Lens	Wide vision, high impact resistant lens made from high optical clarity polycarbonate. Lens shall be replaceable type. Clear lens cover shall be provided for protection of lens from scratching.
Lens Coating	Lens shall be given scratch resistant & anti fog coating.
Cartridge Type	Dual cartridge type full face mask.
Communication	The respirator shall be equipped with speech facilitator for communication when wearing respirator.
Suspension	Well balanced 4 point head suspension with easy adjusting head straps ensuring snug fit. The head strap set shall be replaceable type when damaged or worn out.
Field of Vision	The face piece must have swept back design for clear wide vision without vision obstruction from cartridges.
Wearing Characteristics	The mask along with cartridges shall be very light & comfortable to wear for long time.
Face seal	Soft double sealing face seal flange arrangement for perfect gas tight sealing around face of the wearer. Nose cup shall be provided on the mask to prevent fogging of the lens.
Material of Construction	Silicon rubber, stable, odourless, hypo-allergic, soft material for perfect leak tightness around face.
Cartridge Placement	Swept back design cartridges for wider vision range. The cartridge shall be click on fit type for easy fixing and removal. Single cartridge type full face mask will not be accepted.
Approval	BIS/NIOSH/EN approved Approval certificates shall be enclosed with offer.
Maintenance	The respirator shall be easy maintenance type. The complete mask shall be easily dismantled and assembled.