

Sr.	Technical Specification of Self Contained Breathing Apparatus (SCBA) Vijay Sabre Make Centurion SCBA set.						
1	The Breathing Apparatus set is a Self-contained, compressed air Breathing Apparatus of open circuit with automatic positive pressure with Cylinder approved by CCOE.						
2	Duration	Material Type	Capacity (in Ltr)	Pressure (in BAR)	Air Capacity (in Ltr)	Duration	
	1	Alloy Steel	6	200	1200	30 Mins	
	2	Alloy Steel	6	300	1800	45 Mins	
	3	Carbon Composite	6.8	300	2040	45 Mins	
3	The apparatus will be sufficiently robust to withstand rough usage that a firefighting Situation might demand. All the materials used in the construction is having adequate Mechanical strength and fire-resistant and water resistant.						
4	The design and construction of the apparatus is of such as to facilitate easy dismantling and reassembling of the parts. BA Set is conforming to IS: 10245 (Part-2)						
5	The materials used in the construction of the SCBA is having adequate mechanical strength, heat resistant and resistant to deterioration						
6	The full face mask (ISI approved) is scratch proof materials not producing dermatitis						
7	The harness assembly consist shoulder straps and waist belt						
8	The pressure reducer is of a suitable type and should deliver a constant & steady Pressure throughout the duration irrespective of the cylinder pressure						
9	The SCBA is having an integrated analogue type indication of air pressure.						
10	The demand valve is automatically turn on the positive pressure on first breathing. At the same time there is provision for manually activating the positive pressure or to inject extra air into the mask. There is provision for adequate positive pressure within the mask during the entire breathing cycle to prevent leakage of ambient toxins into the facemask.						
11	The SCBA have an effective warning system to indicate and alert the wearer ten minutes in advance about the diminishing air available for him. The warning sound stop only when the air in the cylinder is completely used up						
12	The cylinder approved by CCOE.						
13	The complete set is BIS approved and IS marked. The Cylinder and the Valve have approval from Chief Controller of Explosives, Nagpur						
14	Moulded Carrying Case will be provided if required (will be charged extra per unit)						

