

FLEX WATER BOTTLE PLASTIC WITH COVER

Water Bottle Plastic with cover earlier used by the Army to keep the potable water during exercise in field area, is made of HDPE food grade quality. During it's use unpleasant odour was felt by the troops when potable water was stored in these bottle. Cracks were also developed during use.

To obviate these problem DMSRDE has developed a new **FLEX WATER BOTTLE PLASTIC WITH COVER** by using Polycarbonate of specific grade which is able tp overcome the above problems. It has higher impact resistance , light weight in 1 liter capacity. Flex Water Bottle Plastic with cover is an inducted store in Indian Army. The bottle is able to last longer in all environmental conditions (-40°C to 100°C). It can hold the water for prolonged duration in original condition without odour. Due to excellent mechanical and thermal properties life of the developed water bottle is much more than the existing water bottle. A sipper has also been designed and mounted on the mouth of the bottle for easy drinking. The cover of the developed water bottle has been designed and fabricated by using Nylon fabric PU coated disruptive pattern with Acrylic pile fabric insulation followed by netting fabric for more insulation in order to maintain the original condition of the item in the bottle for longer duration.

