

## 38. MEGAPHONE

### Specifications

<b>Qualitative Requirements</b>	<b>Picture of Equipment</b>
<p>a) Power output; 16 watt rated, 20 watt maximum</p> <p>b) Voice range : 0.40 km(1 km in quiet area)</p> <p>c) power source : 12 volts DC, 8 x UM-2 CELLS</p> <p>d) Microphone: Unidirectional, with volume control &amp; press to talk switch</p> <p>e) Dimension: Horn diameter 220 mm, length 370 mm</p> <p>f) Weight: 2 kg (approximate)</p> <p>g) Operation: Dry cell &amp; car battery operation</p> <p>h) Body: Sturdy &amp; light weight with inbuilt siren</p> <p><b><u>BIS Specification</u></b></p> <p>a The megaphone shall be able to withstand the following climatic severities:</p> <p>Dry heat : + 70C</p> <p>Cold heat : - 10C</p> <p>Damp heat: 2 cycles</p> <p>b) Weight : No more than 2 kg.</p> <p>c) Harmonic distortion: should be less than 10% at 1000 Hz</p> <p>d) Frequency Response: Overall frequency response shall be within plus minus 3 dib from 300 to 3000 Hz.</p>	