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Supply Division

Annex-1. Technical Specification for Solar Radios

*Please note that technical specifications indicated below are not the final technical specification. There may be minor changes in the upcoming tender therefore any changes will be notified to all bidders.

Material No.	Description	Techncial Specification	Remarks
S4590000	Radio,multiband,solar,wind-up	Portable multi-band radio, constructed of robust plastic, able to withstand a drop of one meter on a hard surface with thick outer casing, a strong, non-detachable winding arm and detachable solar panel. The radio has an ergonomic carrying handle. It should be sufficiently audible at an adequate distance in the classroom for an inter-active radio education programmes or other specially desgined radio programming. The radio is able to receive AM/FM/SW wavelengths, with good reception, covering the following frequency ranges: FM: 88-108 MHz MW: 520-1700 kHz SW: 3-18 MHz There should be a clear and easily-read digital frequency showing frequency scale and four bandwidths (AM, FM, SW); a bandwidth selector switch and a suitable mono speaker which gives clear and audible sound. There should be a volume/on-off switch. It also has a detachable solar panel which fits into the body of the radio with suitable, easily operable holding devices, and the panel should have be long enough, so the solar panel can be placed in the sun while the listeners are indoors or protected by shade. The robust, hard plastic winding handle should be housed within the body of the radio for protection when not in use. Expected listening time at a particular decibel should be sufficient enough when the radio is wound for certain period. The handle is able to recharge the radio by winding in both directions. Supplied with clear instructions in English with illustrations. Packaging and Labelling: Packed individually in a cardboard box, with sufficient protection around the item.	
S4590001	Radio,solar,wind-up,MP3,USBflashport,Sdcard	Solar Wind up Multiband Multimedia Radio with MP3, built-in solar panel constructed of robust plastic able to withstand a drop of one meter on a hard surface with thick outer casing. It should be sufficiently audible at an adequate distance in the classroom for an inter-active radio education programmes or other specially desgined radio programming. 2W solar panel accessory. Different types of flash light options for various use. 4-8GB SD card. The radio has an ergonomic carrying handle. The radio also comes with a USB reader port compatible with flash drive. The antenna should be a flexible, moveable/removable piece of wire, in order for it to be replaced by an ordinary length of wire if mislaid and should fit loosely into the body of the radio for protection and easy access. The radio is able to receive AM/FM/SW wavelengths, with good reception, covering the following frequency ranges: FM: 88-108 MHz MW: 520-1700 kHz SW: 3-18 MHz There should be a clear and easily-read digital frequency showing frequency scale and four bandwidths (AM, FM, SW); a bandwidth selector switch and a suitable mono speaker which gives clear and audible sound. There should be a volume/on-off switch. There should be a detachable solar panel which fits into the body of the radio with suitable, easily operable holding devices, and the panel should have be long enough, so the solar panel can be placed in the sun while the listeners are indoors or protected by shade. The robust, hard plastic winding handle should be housed within the body of the radio for protection when not in use. Expected listening time at a particular decibel should be sufficient enough when the radio is wound for certain period. The handle is able to recharge the radio by winding in both directions. Supplied with clear instructions in English with illustrations. Packaging and Labelling: Packed individually in a cardboard box, with sufficient protection around the item.	

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Material No.	Description	Techncial Specification	Remarks
S0000955	Hand-Held Radio,Multiband,Solar,Wind-Up	Hand-held multi-band radio should be designed to be handheld and easily carried around. Constructed of robust plastic able to withstand a drop of one meter on a hard surface; with thick outer casing, a strong, non-detachable winding arm and built in solar panel, a built-in siren, and LED flashlight. Short Circuit Current 85MA The radio is equipped with a telescopic and SW antenna. The radio is able to receive AM/FM/SW wavelengths, with good reception, covering the following frequency ranges: FM: 88-108 MHz MW: 520-1700 kHz SW: 5-12 MHz There is a clear and easily-read dial frequency window, showing frequency scale and bandwidths (AM, FM, SW). Bandwidth selector switch and a suitable mono speaker which gives clear and audible sound. There should be a volume/on-off switch. The robust, hard plastic winding handle is housed within the body of the radio for protection when not in use. Expected listening time at a particular decibel should be sufficient enough when the radio is wound for certain period.The handle is able to recharge the radio by winding in both directions. Supplied with clear instructions in English with illustrations.	