

Sr. No.	Item	Specifications	Quantity
1	Hydraulic Press	Manually operated; max clamp force: 12 ton; heated platen included; ram stroke: 5 to 6"	01
2	Automated tensile & compression test system	Load cell capacity: 5000/2268 (lb/Kg); accuracy: +/- 5.0 (lb); meter resolution: 0.4(lb); with data acquisition computer software	01
3	Hardness testers	Very wide testing range from soft metal like lead up to hardest metals like hardened steel; motorized loading and unloading suitable for thin sheet metals. Motorized loading and unloading; minor load 10kg, major load 60, 100, 150 kg; large size scale display for easy reading with 0.1 Rockwell resolutions. Automatic load selection, loading and unloading, with touch sensitive LCD panel for user-friendly operation. Analysis functions: statistical calculations, graphical display, data editing.	01
a	Vickers hardness tester		01
b	Digital hardness tester for Rockwell test		01
c	Microhardness tester		01
4	Salt spray corrosion test chamber	Made of transparent thick acrylic sheet. Having Teflon/SS nozzles to provide uniform fog of salt solution in the chamber. Chamber size to carry up to 100 test panels. Provided with salt solution tank of non-corrosive material, auto cut-off oil-free compressor, digital temperature controller.	01
5	Dielectric Impedance analyzer	Frequency range: 100 kHz – 1000 MHz Room temperature to 1000°C Sample holder for palletized samples of diameter ~ 1.5 cm With digital temperature controller	01
6	Planetary Ball mill	Cutter type, solid construction, tip/end geometry: square end, operating at different rpm; finish type: finishing, design units: metric, suitable for mixing and grinding of various materials, electrically operated, stainless steel jar of capacity 1 kg, inner surface should be smooth to avoid any accumulation of material; provided with SS and agate balls of different sizes.	01