

Specifications of Equipment for Tender Bid cum Quotation

Name of Equipment/ Assembly	Hydrodynamic Sieve Test Apparatus
Related Standards to be accorded	IS:14294, EN ISO 12965, ASTM D4751
Features/Capabilities /Specifications	<ul style="list-style-type: none"> The apparatus shall possess the mechanism for imparting, circular action (Shaking in both the direction) and tapping action (from the top), shall be permanently lubricated in a tank and is motorized. It shall be fitted with Digital time regulator switch adjustable from 1 minutes to 50 minutes. Arrangement shall be made for reduction of noise due to vibrations. Equipment shall be accompanied by <ol style="list-style-type: none"> Pan, 200 mm diameter & 50 mm high sieves (13 Nos.) [4.75 mm, 1.7 mm, 2 mm, 1.18 mm, 1 mm, 0.85 mm 0.6 mm, 0.425 mm, 0.3 mm, 0.15 mm, 0.212mm, 0.106 mm and 0.075 mm] (with NABL calibration) – in accord to IS 460 & ASTM E11. 200 mm diameter & 25 mm high sieve for geotextile (01 Nos.) with rubber gasket and sieve cover (with NABL calibration) – in accord to IS 460 & ASTM E11. Rounded Beads made of glass sizes 1.700 mm, 1.180 mm, 0.850 mm, 0.600 mm, 0.425 mm, 0.300 mm, 0.150 mm, 0.212mm, 0.106 mm and 0.075 mm. – in accord to IS:14294 and ASTM D4751. Battery operatable digital weighing balance with a capacity of 1000 gm and least count of 0.01 gm with NABL calibration certificate.
Make	Clear mention Make in the bid
Electrical Supply Requirement	<ul style="list-style-type: none"> Electricity supply requirements (voltage and phase) shall be clearly mentioned Mention in case of Requirement of UPS (Uninterrupted Power Supply) with capacity
Size and Weight	<ul style="list-style-type: none"> Mention area required for positioning of equipment. Mention total weight of the equipment. Mention specific requirement of foundation/pedestal for resting the equipment, if any. Mentioned need of vibration isolated, if needed
Water and Air Supply Requirements	<ul style="list-style-type: none"> Mention the requirement to supply of compressed air, if any. Mention the requirement and arrangement of water supply, if any.
Compatibility of parts	<ul style="list-style-type: none"> In case of accessories from make differing to the make of equipment, compatibility shall be checked and certified by the bidder.
Calibration Certificates, Technical Manual and SOP	<ul style="list-style-type: none"> The calibration certificates shall be provided with equipment and accessories. Validity of calibration certificate for all devises shall not be less than one year. Technical manual and Standard Operating Procedure document shall be provided.