

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 <ul style="list-style-type: none"> (i) 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. (ii) 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. (iii) 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. (iv) 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.