

## **SOIL EQUIPMENT (Lab. Uji Mekanika Tanah / Mektan)**

SO-110A HAND BOR  
SO-130A STANDARD PENETRATION TEST (ASTM D-1586; AASHTO T-206)  
SO-140 SAMPLE EXTRUDER  
SO-145 SAMPLE EXTRUDER, Electric  
SO-150 DYNAMIC CONE PENETROMETER (DCP)  
SO-160 TUBE DENSITY SAMPLER (ASTM D-2573)  
SO-170 CORPS OF ENGINEER SOIL SURFACE SAMPLER (ASTM D-2937)  
SO-200 DUTCH CONE PENETROMETER / Sondir 2.5 Ton (ASTM D-3441)  
SO-210 DUTCH CONE PENETROMETER / Sondir 5 Ton (ASTM D-3441)  
SO-200HD HYDRAULIC CONE PENETROMETER / Sondir Hydraulic 2.5 Ton (ASTM D-3441)  
SO-210HD HYDRAULIC CONE PENETROMETER / Sondir Hydraulic 5 Ton (ASTM D-3441)  
SO-700HD HYDRAULIC CONE PENETROMETER / Sondir Hydraulic 10 Ton (ASTM D-3441)  
SO-250 PLATE BEARING TEST SET (ASTM D-1194; AASHTO T-235)  
SO-260 FIELD CBR TEST SET (ASTM D-4429)  
SO-270 PROVING RING PENETROMETER  
SO-280 TVA PENETROMETER  
ATTERBERGH LIMIT (SO-310, SO-315, SO-320)  
SO-310 LIQUID LIMIT TEST SET (ASTM D-4318; AASHTO T-89)  
SO-311A LIQUID LIMIT DEVICE, Hand Operated, (ASTM D-4318; AASHTO T-89)  
SO-311B LIQUID LIMIT DEVICE, Electric, (ASTM D-4318; AASHTO T-89)  
SO-315 PLASTIC LIMIT TEST SET (ASTM D-4318; AASHTO T-90)  
SO-320 SHRINKAGE LIMIT TEST SET (ASTM D-427; AASHTO T-92)  
SO-330A HYDROMETER ANALYSIS TEST SET (ASTM D-422; AASHTO T-88)  
SO-338 MECHANICAL END OVER END SHAKER (BS-1377)  
SO-339A VACUUM STAND, With 6 Flask capacity  
SO-340 SPECIFIC GRAVITY, Heating Method  
SO-340A SPECIFIC GRAVITY, Vacuum Method (ASTM D-854; AASHTO T-100)  
SO-340B SPECIFIC GRAVITY, Vacuum Method (ASTM D-854; AASHTO T-100)  
SO-350 COMPACTION TEST SET (ASTM D-698/ D-1557; T-99/ T-180)  
SO-360A LABORATORY CBR TEST SET, Electric (ASTM D-1883; AASHTO T-193)  
SO-360B LABORATORY CBR TEST SET (ASTM D-1883; AASHTO T-193)  
SO-370 COMBINATION PERMEAMETER (ASTM D-2434 / AASHTO T-215)  
SO-390A COMPACTION PERMEAMETER TEST SET (1/ 30 cu.ft)  
SO-395A COMPACTION PERMEAMETER TEST SET (1/ 13.33 cu.ft)  
SO-400 SAND CONE TEST SET (ASTM D-1556 / AASHTO T-191)  
SO-430 SPEEDY MOISTURE TESTER (AASHTO T-217)  
SO-450 MOISTURE CONTENT TEST SET  
SO-500 UNCONFINED COMPRESSION MACHINE (ASTM D-2166; AASHTO T-208)  
SO-500A UNCONFINED COMPRESSION MACHINE (ASTM D-2166; AASHTO T-208)  
SO-515 CONSOLIDATION TEST SET (ASTM D-2435; AASHTO T-216)  
SO-525 DIRECT SHEAR TEST SET (ASTM D-3080; AASHTO T-236)  
SO-600 TRIAXIAL TEST SET - UU, CU, CD (Digital Pore Pressure Measuring)  
ASTM D-2850

**AGGREGATE EQUIPMENT (Lab. Uji Bahan / Mektan)**

- AG-100 SAMPLE SPLITER 1/ 2 " (12 holes, 1/ 2 inch chute width)
- AG-101 SAMPLE SPLITER 3/ 4 " (12 holes, 3/ 4 inch chute width)
- AG-102 SAMPLE SPLITER 1 " (12 holes, 1 inch chute width)
- AG-103 SAMPLE SPLITER 1-1/ 2 " (12 holes, 1-1/ 2 inch chute width)
- AG-104 SAMPLE SPLITER 2 " (12 holes, 2 inch chute width)
- AG-105 SAMPLE SPLITER 2 1/ 2 " (12 holes, 2 1/ 2 inch chute width)
- AG-106 SAMPLE SPLITER 3 " (12 holes, 3 inch chute width)
- AG-111 GILSON SAMPLE SPLITTER (Variable chute width, 1/ 2 " increment)
- AG-122 PRECISSION SAMPLE SPLITTER (chute width 1/ 4 " x 32 holes)
- AG-123 PRECISSION SAMPLE SPLITTER (chute width 1/ 4 " x 16 holes)
- AG-170 LENGTH GAUGE (BS-812)
- AG-180 THICKNESS GAUGE (BS-812)
- STANDAR SIEVE (Brass Round Sieve 8 inch Diameter)
- Sieve Analisis - Gradation Test
- AG-200A SIEVE 4 " ; mesh 101.6 mm opening, 8 inch dia
- AG-201A SIEVE 3 1/ 2 " ; mesh 88.9 mm opening, 8 inch dia
- AG-202A SIEVE 3 " ; mesh 76.2 mm opening, 8 inch dia
- AG-203A SIEVE 2 1/ 2 " ; mesh 62.5 mm opening, 8 inch dia
- AG-204A SIEVE 2 " ; mesh 50.8 mm opening, 8 inch dia
- AG-205A SIEVE 1 3/ 4 " ; mesh 44.4 mm opening, 8 inch dia
- AG-206A SIEVE 1 1/ 2 " ; mesh 38.1 mm opening, 8 inch dia
- AG-207A SIEVE 1 1/ 4 " ; mesh 31.7 mm opening, 8 inch dia
- AG-208A SIEVE 1 " ; mesh 25.4 mm opening, 8 inch dia
- AG-209A SIEVE 7/ 8 " ; mesh 22.2 mm opening, 8 inch dia
- AG-210A SIEVE 3/ 4 " ; mesh 19.0 mm opening, 8 inch dia
- AG-211A SIEVE 5/ 8 " ; mesh 15.8 mm opening, 8 inch dia
- AG-212A SIEVE 1/ 2 " ; mesh 12.7 mm opening, 8 inch dia
- AG-213A SIEVE 7/ 16 " ; mesh 11.1 mm opening, 8 inch dia
- AG-214A SIEVE 3/ 8 " ; mesh 9.5 mm opening, 8 inch dia
- AG-215A SIEVE 5/ 16 " ; mesh 7.9 mm opening, 8 inch dia
- AG-216A SIEVE 1/ 4 " ; mesh 6.3 mm opening, 8 inch dia
- AG-218A SIEVE # 4; mesh 4.75 mm opening, 8 inch dia
- AG-222A SIEVE # 8; mesh 2.36 mm opening, 8 inch dia
- AG-223A SIEVE # 10; mesh 2.00 mm opening, 8 inch dia
- AG-224A SIEVE # 12; mesh 1.70 mm opening, 8 inch dia
- AG-226A SIEVE # 16; mesh 1.18 mm opening, 8 inch dia
- AG-228A SIEVE # 20; mesh 0.850 mm opening, 8 inch dia
- AG-230A SIEVE # 30; mesh 0.600 mm opening, 8 inch dia
- AG-232A SIEVE # 40; mesh 0.425 mm opening, 8 inch dia
- AG-234A SIEVE # 50; mesh 0.300 mm opening, 8 inch dia
- AG-235A SIEVE # 60; mesh 0.250 mm opening, 8 inch dia
- AG-236A SIEVE # 70; mesh 0.212 mm opening, 8 inch dia
- AG-237A SIEVE # 80; mesh 0.180 mm opening, 8 inch dia

AG-238A SIEVE # 100; mesh 0.150 mm opening, 8 inch dia  
AG-239A SIEVE # 120; mesh 0.125 mm opening, 8 inch dia  
AG-240A SIEVE # 140; mesh 0.106 mm opening, 8 inch dia  
AG-241A SIEVE # 170; mesh 0.090 mm opening, 8 inch dia  
AG-242A SIEVE # 200; mesh 0.075 mm opening, 8 inch dia  
AG-250 PAN & COVER; receiver with lid, 8 inch dia,  
STANDAR SIEVE (Stainlles Steel Round Sieve 8 inch Diameter)  
Sieve Analysis - Gradation Test - AG 300A up to AG 350)  
AG-510 SIEVE SHAKER  
AG-515 SIEVE SHAKER, Electric  
WOODEN STANDAR SIEVE (Stainlles Steel Round Sieve 8 inch Diameter)  
AG-400 WOODEN SIEVE 4 " - mesh 101.6 mm opening  
AG-401 WOODEN SIEVE 3 1/2 " - mesh 88.9 mm opening  
AG-402 WOODEN SIEVE 3 " - mesh 76.2 mm opening  
AG-403 WOODEN SIEVE 2 1/2 " - mesh 62.5 mm opening  
AG-404 WOODEN SIEVE 2 " - mesh 50.8 mm opening  
AG-405 WOODEN SIEVE 1 3/4 " - mesh 44.4 mm opening  
AG-406 WOODEN SIEVE 1 1/2 " , mesh 38.1 mm opening  
AG-407 WOODEN SIEVE 1 1/4 " , mesh 31.7 mm opening  
AG-408 WOODEN SIEVE 1 " , mesh 25.4 mm opening  
AG-409 WOODEN SIEVE 7/8 " , mesh 22.2 mm opening  
AG-410 WOODEN SIEVE 3/4 " , mesh 19.0 mm opening  
AG-411 WOODEN SIEVE 5/8 " , mesh 15.8 mm opening  
AG-412 WOODEN SIEVE 1/2 " ; mesh 12.7 mm opening  
AG-413 WOODEN SIEVE 7/16 " ; mesh 11.1 mm opening  
AG-414 WOODEN SIEVE 3/8 " ; mesh 9.5 mm opening  
AG-415 WOODEN SIEVE 5/16 " ; mesh 7.9 mm opening  
AG-416 WOODEN SIEVE 1/4 " ; mesh 6.3 mm opening  
AG-418 WOODEN SIEVE # 4; Mesh 4.75 mm opening  
AG-492 WET WASHING SIEVE, # 200, 8 " dia, 4 " depth  
AG-493 WET WASHING SIEVE, # 200, 8 " dia, 8 " depth  
AG-600 SAND EQUIVALENT TEST SET (ASTM D-2419)  
AG-610 SAND EQUIVALENT SHAKER (ASTM D-2419; AASHTO T-176)  
AG-621 BOTTLE ROLLER (BS-812; ASTM C-117)  
AG-700 LOS ANGELES ABRASSION MACHINE (ASTM C-131; AASHTO T-96)  
AG-750 AGGREGATE IMPACT TEST (BS-812)  
AG-760 AGGREGATE CRUSHING VALUE APPARATUS (BS-812)  
AG-760A AGGREGATE CRUSHING VALUE APPARATUS  
AG-800 BULK DENSITY TEST SET (ASTM C-29; AASHTO T-19)  
AG-810A ABSORPTION OF FINE AGGREGATE TEST SET (ASTM C-128; AASHTO T-84)  
AG-825 SPECIFIC GRAVITY & ABSORPTION OF COARSE AGGREGATE TEST SET,  
Mechanical Balance (ASTM C-127; AASHTO T-85)  
AG-825 SPECIFIC GRAVITY & ABSORPTION OF COARSE AGGREGATE TEST SET, Digital  
Balance (ASTM C-127; AASHTO T-85)  
AG-910 ORGANIC IMPURITIES TEST SET (ASTM C-40; AASHTO T-21)  
AG-920 SOUNDNESS TEST SET (ASTM C-88; AASHTO T-104)

### **CEMENT EQUIPMENT (Lab. Uji Bahan / Beton)**

- CE-100 AIR PERMEABILITY OF PORLAND CEMENT BY FINENESS DEVICE, (ASTM C-204; AASHTO T-153)
- CE-110 SPECIFIC GRAVITY OF HYDRAULIC CEMENT TEST (ASTM C-188; AASHTO T-133)
- CE-120 TIME OF SETTING OF HYDRAULIC CEMENT BY VICAT NEEDLE (ASTM C-187/ C-191; T-129/ T-131)
- CE-160 COMPRESSIVE STRENGTH OF HYDRAULIC CEMENT MORTAR (ASTM C-109; AASHTO T-106)
- CE-160A COMPRESSIVE STRENGTH OF HYDRAULIC CEMENT MORTAR, Electric (ASTM C-109; AASHTO T-106)
- CE-170 COMPRESSION MACHINE 100 kN, Compressive Strength Cement Mortar, (ASTM C-109)
- CE-175 COMPRESSION MACHINE 250 kN, Compressive Strength Cement Mortar, (ASTM C-109)

### **CONCRETE EQUIPMENT (Lab. Uji Beton/ Bahan / Bangunan)**

- CO-300 CONCRETE CYLINDER MOLD, 10 cm dia x 20 cm height
- CO-301 CONCRETE CYLINDER MOLD, 15 cm dia x 30 cm height
- CO-311 CONCRETE CUBE MOLD, 10 x 10 x 10 cm
- CO-312 CONCRETE CUBE MOLD, 15 x 15 x 15 cm
- CO-317 A CONCRETE BEAM MOLD, 15 x 15 x 60 cm
- CO-319 A CONCRETE BEAM MOLD, 20 x 20 x 80 cm
- CO-321.3 COMPRESSION MACHINE 1500 kN, Hydraulic Hand Pump (ASTM C-39)
- CO-321.4 COMPRESSION MACHINE 2000 kN, Hydraulic Hand Pump (ASTM C-39)
- CO-321.5 COMPRESSION MACHINE 3000 kN, Hydraulic Hand Pump (ASTM C-39)
- CO-325.3 COMPRESSION MACHINE 1500 kN, Electric Hydraulic Pump (ASTM C-39)
- CO-325.4 COMPRESSION MACHINE 2000 kN, Electric Hydraulic Pump (ASTM C-39)
- CO-325.5 COMPRESSION MACHINE 3000 kN, Electric Hydraulic Pump (ASTM C-39)
- CO-330 HYDRAULIC CONCRETE BEAM TESTING MACHINE (ASTM C-78)
- CO-351 MECHANICAL CONCRETE BEAM TESTING MACHINE (ASTM C-78)
- CO-355 COMPACTING FACTOR APPARATUS (BS-1881)
- CO-370 SLUMP TEST SET (ASTM C-143, AASHTO T-119)
- CO-380 VEBE TIME (BS-1881)
- CO-400 AIR CONTENT OF FRESH MIXED CONCRETE (ASTM C-231, AASHTO T-152)
- CO-410 VIBRATING TABLE
- CO-470 VERTICAL CYLINDER CAPPING SET (ASTM C-617)
- CO-500 MODULUS OF ELASTICITY IN CONCRETE TEST SET
- CO-525 SPLIT TENSILE TEST (BS-1881)
- CO-550 CONCRETE TEST HAMMER (ASTM C-805)
- CO-555 CALIBRATION ANVIL, (ASTM C-805)
- CO-610 LABORATORY CONCRETE MIXER

**ASPHALT EQUIPMENT (Lab. Uji Aspal/ Jalan Raya/ transportasi)**

- BI-100 SPECIFIC GRAVITY OF SEMI - SOLID BITUMINOUS MATERIALS (ASTM D-70, AASHTO T-228)
- BI-110 DISTILATION OF CUTBACK ASPHALTS (ASTM D-402, AASHTO T-78)
- BI-120 WATER CONTENT IN PETROLEUM PRODUCTS (ASTM D-95, AASHTO T-55)
- BI-150A SAYBOLT VISCOSIMETER (ASTM D-402 , AAHSTO T-78)
- GE-644.1 ASTM THERMOMETER 17 C, 19 to 27 deg.C
- GE-644.2 ASTM THERMOMETER 18 C, 34 to 42 deg.C
- GE-644.3 ASTM THERMOMETER 19 C, 49 to 57 deg.C
- GE-644.4 ASTM THERMOMETER 20 C, 57 to 65 deg.C
- GE-644.5 ASTM THERMOMETER 21 C, 79 to 87 deg.C
- GE-644.6 ASTM THERMOMETER 22 C, 95 to 103 deg.C
- BI-200 FLASH AND FIRE POINT BY CLEVELAND OPEN CUP (ASTM D-92, AASHTO T-48)
- BI-200 A FLASH AND FIRE POINT BY CLEVELAND OPEN CUP (ASTM D-92, AASHTO T-48)
- BI-210 SOFTENING POINT TEST SET (ASTM D-36, AASHTO T-53)
- BI-220 LOSS ON HEATING / THIN-FILM TEST (ASTM D-6/ D-1754, AAHSTO T-47/ T-179)
- BI-230 LABORATORY PENETRATION TEST SET (ASTM D-5 / AASHTO T-49)
- BI-230 A LABORATORY PENETRATION TEST SET (ASTM D-5 / AASHTO T-49)
- BI-250 DUCTILITY OF BITUMINOUS MATERIALS TEST SET (ASTM D-113, AASHTO T-51)
- BI-300 CENTRIFUGE EXTRACTOR TEST SET (ASTM D-2172, AASHTO T-164)
- BI-300 A CENTRIFUGE EXTRACTOR TEST SET (ASTM D-2172, AASHTO T-164)
- BI-310 REFLUX EXTRACTOR TEST SET (ASTM D-2172, AASHTO T-164)
- BI-320 MARSHALL TEST SET (ASTM D-1559, AASHTO T-245)
- BI-400 CORE DRILLING TEST SET
- BI-450 BENKLEMAN BEAM
- BI-470 MOT STRAIGHT EDGE

**MISCELLANEOUS**

- UTM-1000WE UNIVERSAL TESTING MACHINE (1000 kN)
- MI-100 TENSILE TESTING MACHINE, test of PVC materials.
- MI-120 DIBBLE (TUGAL)
- MI-130 RAIN GAUGE

**GENERAL EQUIPMENT (Alat Uji Penunjang)**

- GE-101.1 PROVING RING, 100 kg capacity
- GE-101.2 Proving Ring, 250 lbs capacity
- GE-101.3 Proving Ring, 500 lbs capacity
- GE-101.4 Proving Ring, 1.000 lbs capacity
- GE-101.5 Proving Ring, 2.000 lbs capacity
- GE-101.6 Proving Ring, 6.000 lbs capacity

GE-101.7 Proving Ring, 10.000 lbs capacity  
GE-130 Dial Indicator, 0.2 in x 0.0001 in  
GE-131 Dial Indicator, 1.0 in x 0.01 in  
GE-135 Dial Indicator, 10 mm x 0.01 mm  
GE-136 Dial Indicator, 20 mm x 0.01 mm  
GE-137 Dial Indicator, 30 mm x 0.01 mm  
GE-138 Dial Indicator, 50 mm x 0.01 mm  
GE-140 Magnetic Dial Holder  
GE-150 CENT O-GRAM BALANCE, 311 gr cap x 0.01 sensitivity  
GE-152 TRIPLE BEAM BALANCE, 2610 gr cap x 0.1 sensitivity  
GE-153 DIAL O- GRAM BALANCE, 2610 gr cap x 0.1 sensitivity  
GE-157 HEAVY DUTY SOLUTION BALANCE, 20 kg cap x 1 sensitivity  
GE-159 PLATFORM SCALE, 50 kg cap x 10 gr sensitivity,  
GE-160 DIGITAL BALANCE, 310 gr cap x 0.001 gr sensitivity  
GE-161 DIGITAL BALANCE, 6100 gr cap x 0.1 gr sensitivity  
GE-171 OVEN, 14 litre, drying type  
GE-172 OVEN, 32 litre, drying type  
GE-173 OVEN, 39 litre, drying type  
GE-174 OVEN, 53 litre, drying type  
GE-175 OVEN, 108 litre, drying type  
GE-176 OVEN, 256 litre, drying type  
GE-177 OVEN, 416 litre, drying type  
GE-178 OVEN, 749 litre, drying type  
GE-191 HOT PLATE, Single burner plate  
GE-192 HOT PLATE, Double burner plate  
GE-396 GLASS PLATE, 10 mm thick, 30 x 30 cm  
WATER BATH, COOLING SYSTEM  
BUTANE FIELD HEATER, BUNSEN BURNER, STATIF, TRIPOD STAND, GLASS CLAMP,  
ASBESTOS WIRE GAUZE  
SQUARE PAN, 25 x 25 x 5 cm; 40 x 40 x 5 cm; 50 x 50 x 7.5 cm; 65 x 65 x 7.5 cm  
RECTANGULAR PAN, 30 x 20 x 10 cm; 45 x 30 x 15 cm; 60 x 40 x 25 cm  
THIN BOX, ROUND PAN; SAMPLE CAN  
MIXING BOWL, 10cm - 20cm - 24cm diameter  
GRADUATED CYLINDER, Glass, 25 ml, 50 ml, 100 ml, 250 ml, 500 ml, 1000 ml capacity  
GRADUATED CYLINDER, Plastic, 25 ml, 50 ml, 100 ml, 250 ml, 500 ml, 1000 ml capacity  
VOLUMETRIC FLASK, 100 ml, 250 ml, 500 ml, 1000 ml capacity  
BEAKER GLASS, 100 ml, 250 ml, 600 ml, 800 ml, 1000 ml capacity  
ERLENMEYER FLASK, 125 ml, 250 ml, 500 ml, 1000 ml, 2000 ml capacity  
VACUUM FLASK, 125 ml, 250 ml, 500 ml, 1000 ml, 2000 ml capacity  
DENSITY BOTTLE, Glass 50 ml - 100 ml capacity  
SEPARATORY FUNNEL, Glass, 250 ml - 500 ml capacity  
FILTER FUNNEL, Porcelain, 125 ml - 500 ml capacity  
DESSICATOR, Non vacuum, silica gel, 21 cm -24 cm - 30 cm diameter  
DESSICATOR, Vacuum type, silica gel, 21 cm -24 cm - 30 cm diameter  
FUNNEL, plastic or glass, wide or narrow mouth.  
BURRETE, , 10 ml, 25 ml, 50 ml, 100 ml capacity

EVAPORATING DISH, 9 cm dia - 100 ml capacity; 12 cm dia - 250 ml capacity; 15 cm dia - 350 ml capacity; 17 cm dia, 500 ml capacity

MORTAR & PASTLE, 12 cm - 15 cm- 18 cm diameter

WASH BOTTLE, 250 ml - 500 ml - 1000 ml capacity

PIPETTE, 5 ml - 10 ml capacity

CRUCIBLE, 13 ml - 18 ml - 25 ml - 40 ml capacity

THERMOMETER, range 0 - 50 deg.C; 0 - 100 deg.C; 0 - 150 deg.C; 0 - 200 deg.C; 0 - 300 deg.C. 0 - 360 deg.C.

POCKET DIAL THERMOMETER, range 0 - 100; 0 - 200; 0 - 300 deg.C.

DIAL THERMOMETER, range 0 - 100; 0 - 200; 0 - 300 deg.C.

GE-641 ASTM THERMOMETER 12 C, 20 to 102 deg.C (Specific Gravity)

GE-642 ASTM THERMOMETER 63 C, 8 to 32 deg.C.

GE-643 ASTM THERMOMETER 13 C, 155 to 170 deg.C (Loss on Heating)

GE-646.1 ASTM THERMOMETER 15 C, 15 C, 2 to 80 deg.C (Softening Point)

GE-646.2 ASTM THERMOMETER 16 C, 30 to 200 deg.C (Softening Point)

GE-648 ASTM THERMOMETER 11 C, 6 to 400 deg.C (Open Flash)

GE-649.1 ASTM THERMOMETER 7 C, 2 to 300 deg.C (Distillation)

GE-649.2 ASTM THERMOMETER 8 C, 2 to 400 deg.C (Distillation)

GE-670 MANOMETER, 25 kg/ cm<sup>2</sup> capacity, 6 " dia

GE-671 MANOMETER, 60 kg/ cm<sup>2</sup> capacity, 6 " dia

GE-672 MANOMETER, 150 kg/ cm<sup>2</sup> capacity, 6 " dia

GE-673 MANOMETER, 250 kg/ cm<sup>2</sup> capacity, 6 " dia

GE-674 MANOMETER, 300 kg/ cm<sup>2</sup> capacity, 6 " dia

GE-675 MANOMETER, 500 kg/ cm<sup>2</sup> capacity, 6 " dia

GE-676 MANOMETER, 700 kg/ cm<sup>2</sup> capacity, 6 " dia

GE-677 MANOMETER, 1000 kg/ cm<sup>2</sup> capacity, 6 " dia

GE-679 VACUUM MANOMETER, 4 " dia 0-76 cm HG.

GE-680 VACUUM PUMP, Rotary type, 1/ 2 HP,

HYDRAULIC CYLINDER, 30 - 50 - 100 - 150 - 200 - Ton capacity

GE-690 HYDRAULIC HAND PUMP, 10.000 psi, single acting

GE-691 HYDRAULIC HAND PUMP, 10.000 psi, double acting

GE-694 HYDRAULIC ELECTRIC PUMP, 10.000 psi, single acting

GE-695 HYDRAULIC ELECTRIC PUMP, 10.000 psi, double acting

GE-697 HYDRAULIC HOSE, 100 - 200 cm length, 10.000 psi

GE-700 STOP WATCH, 60 sec sweep x 30 min

GE-701 STOP WATCH, 30 sec sweep x 30 min

GE-710 VERNIER CALIPER, 6 inch (150 mm) range measuring

GE-711 VERNIER CALIPER, 8 inch (200 mm) range measuring

GE-712 VERNIER CALIPER, 10 inch (250 mm) range measuring

GE-713 VERNIER CALIPER, 12 inch (300 mm) range measuring

Levels, Open End Wrench, Ring Spanner, Allen Key, Pipe Wrench, Strap Wrench, Adjustable Wrench,

Rubber Gloves, Leather Gloves, Asbestos Gloves, Quatering Canvas.

Round Scoop, Flat Scoop, Scoop Pan, Aggregate Scoop. Round Scoop, Flat Scoop, Scoop Pan, Aggregate Scoop.

GE-820 Spatula, Scraper, Wire Saw, Spoon, Trowel, Gardener's Type Trowel, Chissel, Ruler,

Rubber Mallet, Steel Wire Brush, Brass Wire Brush, Soft Brush, Tamping Rod, Straight Edge.  
GE-950TW MORTAR MIXER, Bench model; 5 litre capacity

Soil, Agregate, Asphalt, Concrete, Civil Laboratory, Mechanical Laboratory, Eletrical Laboratory,  
Hydrology Laboratory, Geology Laboratory, Alat Laboratorium Teknik Sipil, Alat Uji, Ukur,  
Tester Laboratorium, Material Testing Equipment, Soil, Aggregate, Ashpalt, Cement, Concrete,  
General Equipment, Sondir Hydraulic, Core Drilling Test Set, Compression Machine, Dutch  
Cone Penetrometer.