

DEPARTMENT OF CIVIL ENGINEERING

Lab-Geo-Technical Engineering (Soil Mech.) **Built Up Area 87.03sqm**

| Sr.No. | Name of Equipments  | Qty.   | Cost     |
|--------|---|--------|----------|
| 1      | Shrinkage limit set   | 02     | 1087.29  |
| 2      | Sieve Shaker (Hand Operated)  | 01     | 1571.68  |
| 3      | Sieve Shaker (Motorized 20 cm dia)  | 01     | 5610.00  |
| 4      | Adapter for 30 cm dia   | 01     | 1452.00  |
| 5      | Permeability Apparatus  | 01     | 4715.04  |
| 6      | Overhead tank for constant head Permeability  | 01     | 2640.00  |
| 7      | Constant head Permeability  | 01     | 4125.00  |
| 8      | Grain size analysis apparatus   | 02     | 4099.11  |
| 9      | Direct Shear apparatus with Proving Cap.2KN   | 01     | 16730.00 |
| 10     | Unconfined Compression testing machin with Proving ring 2 KN cap. Amil 264          | 01     | 8685.60  |
| 11     | C.B.R. Test Hand Operated with 10 KN Proving Ring                                   | 01     | 9926.40  |
| 12     | Core cuter apparatus  | 02     | 1116.70  |
| 13     | Compaction test apparatus with Rammer   | 01     | 2647.04  |
| 14     | Stop Watch  | 03     | 1343.80  |
| 15     | Straight edge   | 02     | 20.68    |
| 16     | Mixing pan 80cm x 80 cm   | 01     | 227.48   |
| 17     | Liquid Limit ( Hand operated)   | 01     | 858.22   |
| 19     | Chemical Balance Cap.200 gm   | 02     | 2226.62  |
| 20     | Electrical One Pan balance  | 01     | 5434.00  |
| 21     | Plastic Limit Kit   | 01     | 193.30   |
| 22     | Specific Gravity bottle 50 ml capacity  | 05     | 103.40   |
| 23     | Pycnometer bottle   | 18     | 3240.52  |
| 24     | I.S.Sieve Brass made Size 1.18, 2.36, 3.35, 4.75, 600, 425, 300, 150, 75, 90 micron | 01 set | 1519.54  |
| 25     | Soil Trimer ( Leath) Hand operated  | 01     | 1720.00  |
| 26     | Constant Volum mould<br>Size 38 mm dia. 76 mm height                                | 01     | 715.00   |
|        | 38 mm dia. 76 mm ht. Spilt type   | 01     | 156.75   |
|        | 127.3 mm ht. Coller & base plate  | 01     | 449.35   |
|        | Spilt spoon sampler I.S. 2131 with brass liner                                      | 01     | 1500.00  |
| 27     | Vane-shear App. Hand operated   | 01     | 2047.00  |
| 28     | Density Hydrometer Range 0.79 + 01.01   | 02     | 306.75   |
|        | Long Stem   | 05     | 2100.00  |
|        | Short Stem  | 04     | 1680.00  |
| 29     | Extractor for soil sample outfit 38 mm  | 01     | 1724.40  |
|        | Soil Sample Extractor hyd. Cap. 5 Tone suitable for Extracting 100 mm & 150 mm      | 01     | 2790.15  |

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|--------|--|--------|------------------|
| 30     | Torision Balance moisture meter  | 01     | 7110             |
| 31     | Laboratary Oven 350x350x350 mm   | 01     | 2873.75          |
| 32     | Sand pouring cylinder (Replacement) App.   | 01     | 6344.00          |
| 33     | Proctor needle spring type   | 01     | 1987.00          |
| 34     | Cone penetrometer  | 01     | 928.08           |
| 35     | Triaxial Shear test app. Electrical operated suitable for 37mm specimen with Triaxial Cell LM-17-110 | 01     | 13895.00         |
|        | Proving Ring 200 kgf. LM-17-142  | 01     | 4307.50          |
|        | Load Frame 5000 kgf .Motorized   | 01     | 28935.00         |
| 36     | Pore water pressure assembly with pressure gauge   | 01     | 15871.00         |
| 37     | Lateral pressure assembly  | 01     | 6667.50          |
| 38     | Physical balance 2 Kg cap  | 01     | 334.40           |
| 39     | Weight 10kg, 2 kg, 1 kg, 5 kg & Weight box   | 01 set | 362.61           |
| 40     | Swell test app. with proving ring 2.5 KN   | 01     | 12853.50         |
| 41     | High speed stirrer with cup & buffle motorized   | 01     | 2508.00          |
| 42     | Post-hole auger with extension rod tee & handle Size100mm  | 01     | 689.70           |
| 43     | -----,, ----- helical  | 01     | 1003.20          |
| 44     | Extension rod 1 mt. Long heavy duty  | 01     | 250.80           |
| 45     | A rod heaving feamale thread at both end 1.5mt.long  | 07     | 3730.65          |
| 46     | Adopter for above  | 07     | 658.35           |
| 47     | Guide pipe assembly average for 75cm fall of the Hammer  | 01     | 1003.20          |
| 48     | Weight for above 65 Kg.  | 01     | 2508.00          |
| 49     | Moisture conten can with lid made of aluminium Size 25mm ht.& 50mm dia                               | 25     | 156.75           |
| 50     | Extensometers  | 01     | 750.00           |
|        | <b>TOTAL</b>   |        | <b>233723.00</b> |