**INFRASTRUCTURE**

**List of Instruments in the Farm Machinery Testing Centre,**

**UAS (B), GKVK, Bangalore-560065.**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Name of the Instruments**  | **Qty** |
| 1. | Digital Vernier calliper 6 inch  | 1 |
| 2. | Micrometer 0-25mm  | 1 |
| 3. | Spirit level 6 inch  | 1 |
| 4. | Digital stop watch  | 1 |
| 5. | Zeal thermometer range 0-1100c | 1 |
| 6. | Mechanical stop watch  | 1 |
| 7. | Fortins barometer with mercury  | 1 |
| 8. | Aneroid barometer dial type barigo 100mm  | 1 |
| 9. | Hygrometer 0-100% RH, 85 mm dial barigo  | 1 |
| 10. | Tachometer digital hand held contact & alone contact model  | 1 |
| 11. | Digital balance capacity 0.1g to 1kg  | 1 |
| 12. | Cone penetrometer, BS-13mm | 1 |
| 13. | Platform balance 0 kg to 300kg  | 1 |
| 14. | Spring balance 20kg  | 1 |
| 15. | Laboratory hot air oven  | 1 |
| 16 | Infrared moisture meter | 1 |
| 17 | Bulk density apparatus  | 1 |
| 18 | Test sieves 8inch dia brass frame of 2inch  | 1 |
| 19 | Test sieve 8inch dia brass frame  | 1 |
| 20 | Test sieve 8inch dia brass frame 2inch height all mesh  | 1 |
| 21 | Mahindra475 DI 42-Hp tractor  | 1 |
| 22 | BIS test codes FMTC | 108 |
| 23 | Vibration meter, model N0.VM-6320 | 1 |
| 24 | Sound level meter, model No.SL-4023 SD | 1 |
| 25 | Digital Copier machine, Sharp Ar-5620 N | 1 |
| 26 | Camera, Nikon cool pix P-520 | 1 |
| 27 | Scientific calculator (Casio) | 6 |
| 28 | Dell desktop Intel core I-3, 4GB | 2 |
| 29 | Hot air oven, inner chamber size-Capacity 210 lilts, Model No.HA024  | 1 |
| 30 | 2 ton load cell with 5mts long cable model:SL.No.33200 & hooks & digital load indicator model SPL Sl.No.19471 | 1 |
| 31 | 0-1000 load cell with 5mts long cable model SPL.SL.No.19472 | 1 |
| 32 | Hardness cum Brinell Hardness tester, Model TKB-3000 | 1 |
| 33 | Digital soil moisture meter, Bionics maker, Model :BST/SM/895Y | 1 |
| 34 | Digital Table Top Weighing Balance Capacity 10kg & 30 Kg | 2 |
| 35 | Rockwell cum Brinell combined hardness tester Model MRB-250 Meta, test make | 1 |
| 36 | VST Shakthi 130 DI Power tiller Agricultural tiller diesel engine with rotary attachment and tool kit 1. Power tiller2. 5yne cultivator3. 2 share plough 4.1.5 ton capacity tippy trailer 5. Hi-tech bracket 6. Ridger  |  1111 11 |
| 37 | a)Digital hygrometerb)Digital tachometerc)Digital micrometer  | 434 |
| 38 | Tool kit  | 1set |
| 39 | Digital Vernier caliper 6” | 3 |
| 40 | Air compressor 1.0 HP Fitted with 3 phase  | 1 |
| 41 | Electrical motor’sa) 2HPb) 0.5HPc) 1HPd) 5HP | 1111 |
| 42 | Grain moisture tester (Model PM-450) | 1 |
| 43 | Measuring tape (30mts)  | 1 |