

**IRTC****Integrated Rural Technology Centre**

Grant-in-aid institution of KSCSTE, Government of Kerala



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Quotation Notice No.5/2022-23 dtd.18/03/2023

Sealed quotation are invited from the manufacturers/authorized distributors for the supply of under mentioned items for implementing under the Plan Scheme for the year 2022-23.

1. Tender Specifications Reflector less Total Station, Distance meter and Level

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| <u>ANGLE MEASUREMENT</u> | Angular accuracy of 5 sec and least count of 0.1 sec |
| <u>TELESCOPE</u> | Magnification 30x |
| With single prism range | 3500m with single prism and 10000 m in Long range |
| Accuracy | 1 mm + 1.5ppm in precise mode with single prism |
| Least Count | 0.1 mm |
| Without Prism Range | 500 mtr Kodak White 90% |
| Reflector Less Accuracy | 2mm + 2ppm upto 500 meters |
| Internal Memory | Internal Memory of 2 GB |
| External Memory | Onboard Slot for 1 GB USB pen drive and upto 8 GB sd cards |
| <u>PROGRAMMES INBUILT</u> | Graphical Intuitive Application Programs with Windows EC7 |
| System should run onboard Win EC7 and processor with speed of minimum 1GHz | Setting out, Free Station, Remote Height, Ties Distance , Area, Missing line measurement , Reference line, Resection |
| compensator | quadruple axis with compensator range less than $\pm 4'$ or better with setting accuracy of 2seconds |
| <u>Dust /water Humidity</u> | IP66, 95% non-condensing, should be military standard |
| <u>Temperature Operating</u> | -20 °C to + 50°C |
| <u>DIGITAL LEVEL</u> | Graphical display on screen |
| <u>PLUMMET</u> | Inbuilt Laser Plummet from the Instrument. |
| <u>DRIVES : Horizontal & Vertical Drives</u> | Should have Endless movements with friction drives. The system should be free from Mechanical drive |
| <u>Key board and Display</u> | 28 keys, keyboard, Display should have QVGA (300x200 PIXELS), should be minimum 3.5" display |
| <u>DATA OUTPUTS</u> | Should be capable of outputting the data In all standard formats including DXF and other customized formats directly from the total station. |
| <u>UPLOAD OPTIONS</u> | Ascii files |
| Battery | Lithium Ion Batteries |
| battery Operation Time | Should be minimum of 15 hours |
| battery Charging Time | Less than 4 hour |
| <u>instrument WEIGHT</u> | Should not be more than 5 Kg. |

2. Desktop Computer and Accessories for Digitalization of library Documentation Centre

- Intel Core I7-11700F 11th Generation Processor
- 16GB RAM
- 512GB SSD
- 1TB Hard Disk
- Graphics Card with 6gb Memory
- 22" monitor
- Cooler master cabinet
- Wireless keyboard
- Wireless Mouse
- UPS
- External Hard Disk 5TB

3. Other Items for Digitalization of library Documentation Centre

- Digital book scanner (18 MP High definition, A3 Size)
- Computer table & Chair
- Dry Cabinet for camera
- Spiral binding machine
- Paper cutting machine
- Cordless Microphone
- Office table and Chairs
- Camera Flash

Last date of Receipt of Quotation 25/03/2023 3PM

18/03/2023



Director
Director
Integrated Rural Technology Centre
Mundur, Palakkad - 678 592
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