REF No. Fin (2) 22401/16/SN

Department of Soil Survey and Soil Conservation
Government of Kerala

Invites E-tenders from reputed manufacturers/dealers/suppliers for Purchase of Hardware and Software under the scheme “Application of Information Technology”

Tender document can be downloaded from the Government of Kerala website (www.etenders.kerala.gov.in) or from the Department of Soil Survey and Soil Conservation website (www.keralasoiils.gov.in) between 29th May to 19th June 2017. The cost of the tender form is Rs. 5,250/- (inclusive of VAT).

A Pre-bid meeting will be held on 12th June 2017 at 3.30 PM in the Directorate of Soil Survey and Soil Conservation, Vazhuthacaud, Thiruvananthapuram. The last date for the submission of E-tenders with all prescribed documents is 3 PM on 20th June 2017. Technical bids will be opened at 3 PM on 23rd June 2017 in the presence of representatives of bidders.
TENDER TERMS AND CONDITIONS

Notice inviting e-Tender for the Purchase of hardware and software under the scheme “Application of Information Technology”.

1. On behalf of the Governor of Kerala, the Department of Soil Survey and Soil Conservation invites e-tenders under the two bid system (technical and financial) from eligible bidders for the Purchase of hardware and software under the scheme “Application of Information Technology”. The rules and regulations prescribed for e-tender by the Govt. of Kerala shall be applicable to this e-tender also.

2. Cost of Tender Form and Earnest Money Deposit: Interested bidders can view the Tender document from the Government of Kerala website (www.etenders.kerala.gov.in) or from the Department of Soil Survey and Soil Conservation website (www.keralasoils.gov.in). The required items are grouped in to seven categories. The details of cost of the tender form and Earnest Money Deposit are given below. The cost towards the tender form and EMD shall be remitted through online mode only. Firms who are registered with the Stores Purchase Department or the Directorate General of Supplies & Disposals, New Delhi are exempted from furnishing Earnest Money for tenders in respect of stores for which they have registered as suppliers of stores. However, this exemption is not applicable to tenders for Rate/Running Contracts.

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<th>Category No</th>
<th>Items</th>
<th>Qty/No</th>
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<th>VAT 5% (Rs)</th>
<th>EMD (Rs)</th>
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<td>5000</td>
<td>250</td>
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<td>UPS</td>
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3. **Pre-bid meeting and Opening of Bids:** A Pre-bid meeting will be held on 12\(^{th}\) June 2017 (Monday) at 3.30 PM in the Directorate of Soil Survey and Soil Conservation, Centre Plaza, Vazhuthacaud, Thiruvananthapuram. The last date for the submission of E-tenders with all prescribed documents is 3 PM on 20\(^{th}\) June 2017. Technical bids will be opened at 3 PM on 23\(^{rd}\) June 2017 in the presence of representatives of bidders. If the date fixed for opening happens to be a holiday, the bids will be opened on the next working day, at the same time. The financial bids would be opened after the evaluation of technical bids by the Technical Evaluation Committee.

4. **Digital Signature:** The supply should be made in accordance with Annexures shown in the tender document. The tender is to be submitted as e-tenders through [https://etenders.kerala.gov.in](https://etenders.kerala.gov.in). Since this is an e-tender, only those bidders who have enrolled in the above portal with their own digital signature certificate (DSC) can participate in the tender. E-Tender document and other details can be obtained from the above e-portal. For obtaining digital signature certificate (DSC) and necessary portal enrolment bidders can visit the website [https://etenders.kerala.gov.in](https://etenders.kerala.gov.in)

5. **Validity and Currency of Bids:** All bids shall hold good for acceptance for a minimum of 60 days from the date of closing the tender. The rates should be quoted in Indian currency only.

6. **Price Quotations:** The price quoted should indicate the amount both exclusive and inclusive of taxes.

7. **Mode of Payment:** The bidder desiring to take part in the bid shall log into [https://etenders.kerala.gov.in](https://etenders.kerala.gov.in) and then select tender and initiate payment. Bidders will be directed to the payment gateway page of the State Bank of India. There are two options – (1) State Bank of India (SBI Net banking payment) and (2) Payment through NEFT from other banks to the payment gateway of SBI.

8. **Declaration:** The e-tenders submitted by the competent Manufactures/dealer/supplier should contain a scanned and signed copy of the product offered and declaration sheet for ‘Purchase of Hardware and Software’, under the scheme “Application of Information Technology”.
9. **Agreement:** Scanned copy of the agreement in the prescribed format in Kerala Stamp paper worth **Rs. 200/- should be submitted online** and original to the undersigned before the opening of the e-tender.

10. **Scrutiny of Tenders:** A technical evaluation committee would scrutinize the tenders received and will take necessary action for the award of tender. The decision of the Director of Soil Survey and Soil Conservation will be final for the award of the contract.

11. **Performance Security:** The successful tenderer will have to execute an agreement in stamp paper worth Rs. 200/- in prescribed form and manner and also to furnish the required Performance security amount @ 5% (five percent) of the total quoted amount within 7 days of the receipt of the supply order.

12. **Supply Period:** The successful tenderer shall supply the items within **thirty days** from the receipt of the supply order.

13. **Other Terms and Conditions**
   1. Details with respect to the e-tender and the details of specifications of the item to be purchased can be obtained from the e-tender website https://etenders.kerala.gov.in.
   2. The items which are required are grouped in to Seven Categories. The bidders can quote for one or more categories.
   3. A Technical Evaluation Committee will scrutinize the tenders received and will take necessary action for the award of tender. The decision of the Director of Soil Survey & Soil Conservation will be final for the award of the contract.
   4. The authorized dealers, firms are eligible in the field are to participate in the tender and necessary documents providing are to be produced along with tender.
   5. The rates quoted should be inclusive of all taxes, cesses etc.
   6. The rate should be inclusive of transportation, handling or any other cost of supply at the site or as per the direction from the undersigned.
   7. The successful bidder should supply the item to the offices mentioned in Annexure II attached to the tender notice.
   8. The supplier should confirm the repair & service facilities, availability of spare parts etc, of the equipments supplied by them.
   9. Acceptance of tender for the supply of equipment on the invitation will be subject to tenderers certifying that they have adequate servicing and spare parts facilities in respect of the equipment tendered for by them or that they shall arrange to provide such facilities simultaneously with the supply of the equipment.
10. Tenderers shall also undertake that supplies of necessary maintenance equipment and spare parts will be made available for useful life of the equipment on a continuous basis.

11. Tender evaluation will involve recording and analyzing the merits of each tender. The process will start with preparation of “Technical Comparative Statement” based on product offered statement and other documents furnished by bidders incorporating the commercial terms offered. Comprehensive analysis of the techno-commercial offer will form the basis for subsequent decision.

12. The catalogue/leaflets/Pamphlets etc. of the product offered should be submitted along with the tender.

13. The Director of Soil Survey & Soil Conservation reserves the right to award the full quantity of supply to any one supplier or distribute the supply to different suppliers or to change the quantity of supply without assigning reasons thereof.

14. The undersigned has the right to add or relax any of the terms and conditions as per requirement and expert opinion.

15. EMD, Cost of Tender form +VAT etc. Should be made as a single payment through online.

16. The payment shall be released only after satisfying the qualities and specifications of the item supplied.

17. Incomplete tenders will be summarily rejected and decision of the Director of Soil Survey and Soil Conservation on such matters will be final.

18. If required, demonstration shall be conducted at the cost of the tenderer before the technical/expert committee constituted for the purpose to finalize the selection and the decision of the technical committee will be final and binding (category No.2)

19. Bidders can avail the opportunity of the Pre-bid meeting arranged by the department to clarify their doubts.

20. Any legal disputes that may arise in relation to the e-tender to the formalities will be restricted to the jurisdiction of Thiruvananthapuram District Court.

**Communications to be addressed to:**

Directorate of Soil Survey & Soil Conservation,
Centre Plaza, Vazhuthacaud,
Thiruvananthapuram. Pin code - 695014
Phone : 0471-2339899/0471-2339800

Director
Department of Soil Survey and Soil Conservation
ANNEXURE- I
DEPARTMENT OF SOIL SURVEY & SOIL CONSERVATION

ITEMS AND SPECIFICATIONS REQUIRED FROM BIDDERS

1. Fax machine
   • Printing Method - Laser printing on plain paper
   • Print Resolution - 600 x 600 dpi
   • Built-in Telephone Handset - Yes
   • Automatic Paper Handling/Document feeding – min upto 10 pages
   • Paper holding capacity – Minimum 50 pages
   • Warranty – Minimum 1 year

2. Handheld GPS
   • Integrated high sensitivity GPS/SBAS receiver & antenna capable to record Longitude, Latitude and Altitude
   • Positional accuracy
     ▪ Less than 3 meter post processed
     ▪ Less than 5 meter in real time with SBAS
     ▪ Less than 10 m standalone GPS accuracy
   • Integrated GPS receiver should have minimum 48 channels and should be capable of tracking
     ▪ GPS- L1 code
     ▪ SBAS
   • Processor – 800 MHz
   • Memory:
     ▪ 256 MB RAM (minimum)
     ▪ 2 GB flash memory (minimum)
     ▪ Support micro SD card - 32 GB (minimum)
   • Display:
     ▪ Sunlight readable
     ▪ 3.5 inch diagonal length (minimum)
     ▪ Colour and touch screen with alphanumeric
     ▪ 640 x 480 pixel (minimum)
   • Battery:
     ▪ Minimum 10 hours with GPS on
     ▪ Rechargeable Li-ion Battery
   • Integrated Bluetooth
   • More than 100 plus user datums
   • Minimum 1000 waypoints
   • USB client port for data transfer
   • Audio – built in speaker
• Operating system: Windows, English language
• Dust/Water resistant
• Carrying case
• Weight – less than 350 gm
• Datalogging interval – 1 second
• Provide second by second global display of the no of satellites tracked, satellite geometry and differential GPS position status including current estimated accuracy and predicted post processed accuracy.
• Provide audio and visual warnings and alarms for loss of GPS position
• Provide in field mission planning module for daily planning of GPS data collection schedule
• Provide a counter indicating the number of positions logged to the current feature.
• Log data from external sensors output in ASCII format including Laser range finders for distance and bearing measurements.
• Collecting point, line and polygon with attribute
• Support for digitizing of points, lines or areas for simple feature capture when GPS is not available.
• Provide easy to follow arrow or guidance indicators for intuitive navigation to target
• Support for waypoint upload and display
• Post processing software
• Continuous training for departmental officers atleast for 3 years
• Warranty of preferably 2 years and extended warranty of 1 year for the device.
• Accessories to be supplied-
  o USB cable for data transfer
  o Stylus with lanyard for touch screen operation
  o Li-ion battery

3.1 Desktop Computer with accessories
• Processor : Intel/AMD x86 dual core processor with 4 threads having either of
  ➢ SYSMARK 2014 Overall Score of 1050 or above, tested with 8 GB RAM
  ➢ PC Mark 8 Work Accelerated Score of 4100 or higher, tested with 8 GB RAM.
• Chipset : Compatible
• Motherboard : OEM Motherboard
• Bus Architecture : 2 PCI (PCI/PCI Express) or more
• Memory: 4 GB DDR3-1600 RAM (or above) with 16 GB Expandability with minimum 2 DIMM slots
• Hard Disk Drive: 1.0TB 7200 rpm or higher.
• Monitor : 47 cm (18.5 inch) or larger TFT/LED Digital Colour Monitor TCO -05 certified. same make as PC
• Keyboard: PS/2 or USB Min 104 keys, Keyboard same make as PC.
• Mouse: PS/2 or USB 2 button optical scroll mouse with mouse pad, same make as PC.
• Bays : 2 Nos. or above.
• Ports: 6 USB Ports (with at least 2 in front), at least two USB 3.0 ports, 1 Serial audio ports for microphone and headphone in front.
• ODD: Min 8x or better DVD Writer
• Audio: Integrated audio controller, Audio ports both in front and back
• Networking facility: 1000 Mbps on board integrated Network Port with remote booting facility remote system installation, remote wake up.
• Power Management: Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected
• Accessories: With required connecting cables and driver media and required accessories
• Certifications:
  For Monitor: TCO-5 certification compliance
  For OEM: ISO 9001- 2008, RoHS, EPEAT Silver/ Energy Star 5.2 Certifications or any other similar rating or certification that aims at green brand PC
• Warranty: 3 year comprehensive on-site warranty including Monitor
• Operating System: Windows 8 with preloaded licensed software

3.2 Antivirus

• The antivirus Solution should able to Detects and blocks malicious software in real time, including viruses, worms, Trojan horses, spyware, Adware, and RootKit.
• The Antivirus solution must automatically scan external devices (Floppy disks, Compact disks, USB devices and Network shares in real-time when accessed) as soon as they are attached to PC, Server, Laptop etc.
• The Antivirus solution must scan compressed file formats like ZIP, RAR etc.
• Anti-Virus Software must have the capability to clean, Quarantine or delete Viruses and should be able to detect new classes of viruses by normal virus definition update mechanisms
• Solution should provide web antivirus features which should analyse site address and block access to dangerous sites & Scan the object downloaded over HTTP
• Solution should provide mail antivirus features which should protect from the threats that email message may contain & Messages should be intercepted at the protocol level (POP3 & SMTP level) and by embedding into the most popular mail clients.
• Vendor should be ICSA (International computer security association) certified.

3.3 Hard Disk
• Capacity – 1 TB
• Interface - USB 3.0 (USB 2.0 compatible)
• Transfer Rate – min 5Gbps
• Speed - 7200 RPM
• Cache –16 MB or above
• Warranty – 3 years
4. Multi Function Device

- Type: Printer/Copier/Scanner
- Print Method: Monochrome Laser
- Paper handling: A4, Letter/Legal
- LCD Display
- Supported OS: Linux, Windows
- Memory size: 32 MB
- Duty Life Cycle: 10000 pages per month
- Features: Support for ADF and Auto Duplex
- Warranty: 3 year comprehensive onsite warranty

Printer

- Print Speed: Upto 24 ppm
- Print Resolution: 600x600dpi
- Emulation: GDI
- Laser Monochrome

Copier

- Resolution (copier): 600x600dpi
- Reduction/ Enlargement: 25%- 400%

Scanner

- Scan: Colour (Input 48 bits, Output 24 bits)
- Scan resolution: Minimum 600x600dpi
- Scan type: Flatbed
- Scan to PC, Scan to E-Mail, Scan to FTP, Scan to SMB facilities

5. Digital Camera

- Optical Zoom – Minimum 5x
- Should have built in flash
- Shutter speed range of 1 - 1/2000sec.15 - 1sec. (in Long Shutter mode) or better
- Auto Focus: Contrast Detect Auto Focus
- ISO Rating: ISO 80 – ISO 1600
- White Balancing – available
- Video display resolution – min 640 x 480
- USB 2.0/3.0
- Image format – Jpeg
- Inbuilt memory – Min 25 MB
- AC adapter supported
- Rechargeable Li-ion battery
- Warranty and free transit insurance – minimum 1 year
6. **DLP Projector**
   - Technology: DLP
   - Resolution: WXGA (1200x800)
   - Brightness: 3500 lm or Higher
   - Contrast Ratio: 3000:1 or Higher
   - Video compatibility: PAL, SECAM, NTSC, HDTV, DTV.
   - Audio System: with built-in speaker
   - Remote Control: Full Function remote control unit for projector
   - Terminal Ports: HDMI/DVI and/or Analog RGB In, Audio IN, Video IN (RCA).
   - Cables & Connectors: The projector shall include power cable, HDMI and VGA cable (5m or above for connecting to PC)
   - Lamp Life: Minimum of 3000 Hrs.
   - Features: Support for Short Throw and WiFi connectivity
   - Warranty: 3 years warranty

**Projector Screen with tripod**

   - Should be Manually Retractable
   - Size - minimum 6x6 ft
   - High gain imported type material

7. **UPS (1KVA)**
   - Phase: Single Phase
   - Type: Online
   - Backup time: In Minutes – 30 minutes minimum
   - Battery type: SMF with C10 rating
   - ERTL or equivalent Certified
## ANNEXURE II

**DEPARTMENT OF SOIL SURVEY & SOIL CONSERVATION**

**ADDRESS OF OFFICES FOR SUPPLY OF TENDERED ITEMS**

<table>
<thead>
<tr>
<th>Item</th>
<th>Name of office</th>
<th>No.</th>
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<td>Antivirus</td>
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<td>0486-2252650</td>
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<td>THIRUVANANTHAPURAM – 695 601</td>
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<tr>
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<td>3RD FLOOR, TF 9 MINI CIVIL STATION, THALIPARAMBA, KANNUR – 670 141</td>
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<td>INDUSTRIAL ESTATE ROAD, MANJERI, MALAPPURAM – 676 121 0483-2767872</td>
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<tr>
<td>THE  SOIL CONSERVATION OFFICER</td>
<td>F-BLOCK, CIVIL STATION VIDYANAGAR (P O), KASARAGOD – 671 123 0499-4256658</td>
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MUNICIPAL STADIUM BUILDING, 
NEAR REVENUE TOWER, 
CHAGANASSERY (PO), 
KOTTAYAM – 686 101 | 1 |
| THE DISTRICT SOIL CONSERVATION OFFICER  
RAVI CHAMBERS, THAMARAKULAM 
NEAR BENZIGER HOSPITAL  
KOLLAM – 691 001  
0474-2768816 | 1 |
| DIRECTORATE OF SOIL SURVEY & SOIL CONSERVATION,  
CENTRE PLAZA BUILDING, 3RD & 4TH FLOOR, 
VAZHUTHCAUD, THYCAUD P.O,  
THIRUVANANTHAPURAM - 659 014.  
0471-2339899 | 1 |
| **Total** | **4** |
| Scanner | DIRECTORATE OF SOIL SURVEY & SOIL CONSERVATION,  
CENTRE PLAZA BUILDING, 3RD & 4TH FLOOR, 
VAZHUTHCAUD, THYCAUD P.O,  
THIRUVANANTHAPURAM - 659 014.  
0471-2339899 | 1 |
| **Total** | **1** |
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3RD FLOOR, COLLECTORATE (P O),  
ALAPPUZHA – 688 001,  
0477-2254927 | 1 |
| THE SOIL CONSERVATION OFFICER  
MINI CIVIL STATION, 1ST FLOOR (W.F.S.T)  
CHANGANNUR (P O),  
ALAPPUZHA – 689 121 | 1 |
| THE ASSISTANT DIRECTOR OF SOIL CONSERVATION IDUKKI  
PROJECT,  
KALYATHINAL BUILDING  
PARAKKADAVU, KATTAPPANA (PO),  
IDUKKI -685 508 | 1 |
| THE DISTRICT SOIL CONSERVATION OFFICER  
A BLOCK, 4TH FLOOR , F-5,  
CIVIL STATION, KUDAPPANAKKUNNU  
THIRUVANANTHAPURAM – 695 043  
0471 -2732648 | 1 |
| THE SOIL CONSERVATION OFFICER  
MINI CIVIL STATION,  
KILIMANOOOR  
KILIMANOOOR (P O)  
THIRUVANANTHAPURAM – 695 601 | 1 |
| THE SOIL CONSERVATION OFFICER  
MINI CIVIL STATION,  
NEYYATTINKARA (P O),  
THIRUVANANTHAPURAM – 695 121 | 1 |
| THE SOIL CONSERVATION OFFICER  
MUNICIPAL STADIUM BUILDING,  
NEAR REVENUE TOWER,  
CHAGANASSERY (PO),  
KOTTAYAM – 686 101 | 1 |
| THE DISTRICT SOIL CONSERVATION OFFICER  
RAVI CHAMBERS, THAMARAKULAM | 1 |
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ANNEXURE III (To be submitted by the bidder)

Specifications for Supply of Hardware and Software

Name of the Bidder:

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<th>Tender Specification</th>
<th>Quoted as per specification as in Annexure I (Mark as X)</th>
<th>If no, specific remarks (if any)</th>
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<tr>
<td><strong>1. Fax machine</strong></td>
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<tr>
<td>• Printing Method - Laser printing on plain paper</td>
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<td>• Print Resolution - 600 x 600 dpi</td>
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<tr>
<td>• Built-in Telephone Handset -Yes</td>
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<tr>
<td>• Automatic Paper Handling/Document feeding – min upto 10 pages</td>
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<td>• Paper holding capacity – Minimum 50 pages</td>
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<tr>
<td>• Warranty – Minimum 1 year</td>
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<tr>
<td><strong>2. GPS</strong></td>
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<tr>
<td>• Integrated high sensitivity GPS/SBAS receiver &amp; antenna capable to record Longitude, Latitude and Altitude</td>
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<tr>
<td>• Positional accuracy</td>
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<tr>
<td>• Less than 3 meter post processed</td>
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<tr>
<td>• Less than 5 meter in real time with SBAS</td>
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<tr>
<td>• Less than 10 m standalone GPS accuracy</td>
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<tr>
<td>• Integrated GPS receiver should have minimum 48 channels and should be capable of tracking</td>
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<tr>
<td>• GPS- L1 code</td>
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<tr>
<td>• SBAS</td>
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<tr>
<td>• Processor – 800 MHz</td>
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<td>• Memory:</td>
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<tr>
<td>• 256 MB RAM (minimum)</td>
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<tr>
<td>• 2 GB flash memory (minimum)</td>
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<td>• Support micro SD card - 32 GB (minimum)</td>
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<td>• Display:</td>
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<tr>
<td>• Sunlight readable</td>
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<tr>
<td>• 3.5 inch diagonal length (minimum)</td>
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<tr>
<td>• Colour and touch screen with alphanumeric</td>
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</table>
- 640 x 480 pixel (minimum)
- Battery:
- Minimum 10 hours with GPS on
- Rechargeable Li-ion Battery
- Integrated Bluetooth
- More than 100 plus user datums
- Minimum 1000 waypoints
- USB client port for data transfer
- Audio – built in speaker
- Operating system: Windows, English language
- Dust/Water resistant
- Carrying case
- Weight – less than 350 gm
- Datalogging interval – 1 second
- Provide second by second global display of the no of satellites tracked, satellite geometry and differential GPS position status including current estimated accuracy and predicted post processed accuracy.
- Provide audio and visual warnings and alarms for loss of GPS position
- Provide in field mission planning module for daily planning of GPS data collection schedule
- Provide a counter indicating the number of positions logged to the current feature.
- Log data from external sensors output in ASCII format including Laser range finders for distance and bearing measurements.
- Collecting point, line and polygon with attribute
- Support for digitizing of points, lines or areas for simple feature capture when GPS is not available.
- Provide easy to follow arrow or guidance indicators for intuitive navigation to target
- Support for waypoint upload and display
- Post processing software
- Continuous training for departmental officers atleast for 3 years
- Warranty of preferably 2 years and extended warranty of 1 year for the device.
- Accessories to be supplied-
- USB cable for data transfer
- Stylus with lanyard for touch screen operation
- Li-ion battery

3.1. Desktop Computer with accessories

- Processor: Intel/AMD x86 dual core processor with 4 threads having either of
  - SYMARK 2014 Overall Score of 1050 or above, tested with 8 GB RAM
  - PC Mark 8 Work Accelerated Score of 4100 or higher, tested with 8 GB RAM.
- Chipset: Compatible
- Motherboard: OEM Motherboard
- Bus Architecture: 2 PCI (PCI/PCI Express) or more
- Memory: 4 GB DDR3-1600 RAM (or above) with 16 GB Expandability with minimum 2 DIMM slots
- Hard Disk Drive: 1.0TB 7200 rpm or higher.
- Monitor: 47 cm (18.5 inch) or larger TFT/LED Digital Colour Monitor TCO -05 certified. same make as PC
- Keyboard: PS/2 or USB Min 104 keys, Keyboard same make as PC.
- Mouse: PS/2 or USB 2 button optical scroll mouse with mouse pad, same make as PC.
- Bays: 2 Nos. or above.
- Ports: 6 USB Ports (with at least 2 in front), at least two USB 3.0 ports, 1 Serial audio ports for microphone and headphone in front.
- ODD: Min 8x or better DVD Writer
- Audio: Integrated audio controller, Audio ports both in front and back
- Networking facility: 1000 Mbps on board integrated Network Port with remote booting facility remote system installation, remote wake up
- Power Management: Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected
- Accessories: With required connecting cables and driver media and required accessories
### Certifications:
- For Monitor: TCO-5 certification compliance
- For OEM: ISO 9001- 2008, RoHS, EPEAT Silver/ Energy Star 5.2 Certifications or any other similar rating or certification that aims at green brand PC

### Warranty:
- 3 year comprehensive on-site warranty including Monitor

### Operating System:
- Windows 8 with preloaded licensed software

#### 3.2 Antivirus
- The antivirus Solution should able to Detects and blocks malicious software in real time, including viruses, worms, Trojan horses, spyware, Adware, and RootKit.
- The Antivirus solution must automatically scan external devices (Floppy disks, Compact disks, USB devices and Network shares in real-time when accessed) as soon as they are attached to PC, Server, Laptop etc.
- The Antivirus solution must scan compressed file formats like ZIP, RAR etc.
- Anti-Virus Software must have the capability to clean, Quarantine or delete Viruses and should be able to detect new classes of viruses by normal virus definition update mechanisms
- Solution should provide web antivirus features which should analyse site address and block access to dangerous sites & Scan the object downloaded over HTTP
- Solution should provide mail antivirus features which should protect from the threats that email message may contain & Messages should be intercepted at the protocol level (POP3 & SMTP level) and by embedding into the most popular mail clients.
- Vendor should be ICSA (International computer security association) certified.

#### 3.3 Hard Disk
- Capacity – 1 TB
- Interface - USB 3.0 (USB 2.0 compatible)
- Transfer Rate – min 5Gbps
- Speed - 7200 RPM
- Cache –16 MB or above
- Warranty – 3 years
### 4. Multi Function Device

- **Type**: Printer/Copier/Scanner  
- **Print Method**: Monochrome Laser  
- **Paper handling**: A4, Letter/Legal  
- **LCD Display**  
- **Supported OS**: Linux, Windows  
- **Memory size**: 32 MB  
- **Duty Life Cycle**: 10000 pages per month  
- **Features**: Support for ADF and Auto Duplex  
- **Warranty**: 3 year comprehensive onsite warranty  

#### Printer

- **Print Speed**: Upto 24 ppm  
- **Print Resolution**: 600x600dpi  
- **Emulation**: GDI  
- **Laser Monochrome**  

#### Copier

- **Resolution(copier)**: 600x600dpi  
- **Reduction/ Enlargement**: 25%- 400%  

#### Scanner

- **Scan**: Colour (Input 48 bits, Output 24 bits)  
- **Scan resolution**: Minimum 600x600dpi  
- **Scan type**: Flatbed  
- **Scan to PC, Scan to E-Mail, Scan to FTP, Scan to SMB facilities**

### 5. Digital Camera

- **Optical Zoom**: Minimum 5x  
- **Should have built in flash**  
- **Shutter speed range of 1 - 1/2000sec.15 - 1sec. (in Long Shutter mode) or better**  
- **Auto Focus**: Contrast Detect Auto Focus  
- **ISO Rating**: ISO 80 – ISO 1600  
- **White Balancing**: available  
- **Video display resolution**: min 640 x 480  
- **USB 2.0/3.0**  
- **Image format**: Jpeg  
- **Inbuilt memory**: Min 25 MB  
- **AC adapter supported**  
- **Rechargeable Li-ion battery**  
- **Warranty and free transit insurance**: minimum 1 year  

### 6. DLP Projector

- **Technology**: DLP
- **Resolution**: WXGA (1200x800)
- **Brightness**: 3500 Im or Higher
- **Contrast Ratio**: 3000: 1 or Higher
- **Video compatibility**: PAL, SECAM, NTSC, HDTV, DTV.
- **Audio System**: with built in speaker
- **Remote Control**: Full Function remote control unit for projector
- **Terminal Ports**: HDMI/DVI and/or Analog RGB In, Audio IN, Video IN (RCA).
- **Cables & Connectors**: The projector shall include power cable, HDMI and VGA cable (5m or above for connecting to PC)
- **Lamp Life**: Minimum of 3000 Hrs.
- **Features**: Support for Short Throw and Wi-Fi connectivity
- **Warranty**: 3 years warranty

### Projector Screen with Tripod
- Should be Manually Retractable
- **Size**: minimum 6x6 ft
- **High gain imported type material**

### 7. UPS (1KVA)
- **Phase**: Single Phase
- **Type**: Online
- **Backup time**: In Minutes – 30 minutes minimum
- **Battery type**: SMF with C10 rating
- **ERTL or equivalent Certified**

Name and Designation of the Authorized Signatory
FORM OF TENDER

To

The Director,
Directorate of Soil Survey and Soil Conservation, Centre Plaza,
Vazhuthacaud, Thiruvananthapuram,
Kerala - 695 014.

Sir,

I/We hereby tender to supply, under the annexed general conditions of contract, the whole of the articles referred to and described in the attached specification and schedule, or any portion thereof, as may be decided by Government, at the rates quoted against each item. The articles will be delivered within the time and at the places specified in the schedule.

* I am/We are remitting/have remitted the required amount of Rs...................... as earnest money.

Yours faithfully,

(Signature) ------------------------------------------

(Address) ------------------------------------------

-------------------------------------------------

Date ---------------

* To be scored off in case where no Earnest Money Deposit is furnished.
Sealed tenders are invited for the supply of the materials as specified in the schedule below/attached: -

1. The tenders should be addressed to the officer mentioned below in a sealed cover with the tender number and name shown below duly superscribed on the cover.

2. The tenders should be in the prescribed form which can be obtained from the officer mentioned below on payment of the price which is also noted below. Duplicate copies of tender forms will also be issued at the rate specified below. The cost of tender forms once paid will not be refunded. Tenders which are not in the prescribed form are liable to be rejected. The rates quoted should be only in Indian currency. Tenders in any other currency are liable to rejection.

3. Intending tenderers should send their tenders so as to reach the officer mentioned below, on due date and time (noted below). No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned below. Tenders not stipulating period of firmness and tenders with price variation clause and/or ‘subject to prior sale’ condition are liable to be rejected.

4. (a) Every tenderer who has not registered his name with the State Government (Stores Purchase Department), should send along with his tender, an earnest money of one percent of the total cost of articles tendered for (rounded to the nearest rupee) subject to a minimum of Rs.30/- if the amount calculated at one percent of the value of the articles tendered for falls below Rs.30/-. The amount may be paid either by remittance into any Government Treasury in chalans in duplicate, duly countersigned by the Officer mentioned below, or by Demand Drafts (crossed) on the local branch of State Bank of Travancore/State Bank of India drawn in favour of the officer mentioned below. In the case of remittance into the treasury, chalan receipt should be forwarded along with the tender. Cheques will not be accepted. The earnest money of the unsuccessful tenderers will be returned as soon as possible after the tenders are settled; but that of the successful tenderer will be adjusted towards the security that will have to be deposited for the satisfactory fulfillment of the contract. No interest will be paid for the earnest money deposited.

(b) Tenderers whose names are registered with Government (Stores Purchase Department) are generally exempted from furnishing earnest money for such articles for which they have registered their names. If they tender for stores other than those for which they have registered their names they will have to furnish earnest money as in the case of unregistered firms. Registered firms will have to quote invariably in every tender they submitted the registration number assigned to them by the Stores Purchase Department.

(c) Small Scale Industries and Cottage Industries within the State, which are certified as such by the Director of Industries and Commerce or by the Regional Joint Director of Industries and Commerce will be exempted from furnishing earnest money against tenders and security deposit against contracts for supply of stores manufactured by them. In respect of security deposits the soundness and reliability of the concerns to undertake the contracts should also be certified by the Director of Industries and Commerce.

(d) In the matter of purchase of stores by the State Government Departments, Small Scale Industrial Units sponsored by the National Small Industries Corporation Limited, New Delhi and in respect of which Competency Certificates are issued by the Corporation will be exempted from payment of Earnest Money Deposit and Security Deposit.

(e) The exemption stipulated in clauses (b), (c) and (d) above will not however, apply to tenders for the supply of raw materials, or dietary articles or supply of stores on rate or running contract basis.

5. The tenders will be opened on the appointed day and time in the office of the undersigned, in the presence of such of those tenderers or their nominees who may be present at that time.

6. If any tenderer withdraws from his tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money, if any, deposited by him will be forfeited to Government or such action taken against him as Government thinks fit.

7. Tenderers shall invariably specify in their tenders the delivery conditions including the time required for the supply of articles tendered for.

8. (a) The Tenderers shall clearly specify whether the articles offered bear Indian Standards Institution Certification Mark or not. In such cases, they shall produce copies of certification mark along with their tender in support of it.

(b) Tenderers shall clearly specify whether the goods are offered from indigenous sources, from imported stocks in India or from foreign sources to be imported under a licence. Government reserve the right to reject offers for import of goods if the Import Trade Control Policy in force at the time of award of the contract prohibits or restricts such imports.

9. The final acceptance of the tenders rests entirely with the Government who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tenders as may be allotted to them.

10. In the case of materials of technical nature the successful tenderer should be prepared to guarantee satisfactory performance for a definite period under a definite penalty.

11. Communication of acceptance of the tender normally constitutes a concluded contract. Nevertheless, the successful tenderer shall also execute an agreement for the due fulfillment of the contract within the period to be specified in the letter of acceptance. The contractor shall have to pay all stamp duty, lawyer’s charges and other expenses incidental to the execution of the agreement. Failure to execute the agreement within the period specified will entail the penalties set out in para 12 below.

12. (a) The successful tenderer shall, before signing the agreement and within the period specified in the letter of acceptance of his tender, deposit a sum equivalent to 5 percent of the value of the contract as security for the satisfactory fulfillment of the contract less the amount of money deposited by him along with his tender. The amount of security may be deposited in the manner prescribed in clause 4 supra or in Government Treasury Savings Bank and the Pass Book pledged to Purchasing Officer or in Fixed Deposit Receipts of State Bank of Travancore/State Bank of India endorsed in favour of the above Officer. Letters of guarantee in the prescribed form for the amount of security from an approved Bank will also be considered enough at the discretion of Government. If the successful tenderer fails to de-
posit the security and execute the agreement as stated above,  
the earnest money deposited by him will be forfeited to Gov-
ernment and the contract arranged elsewhere at the defaulter’s 
risk and any loss incurred by Government on account of the 
purchase will be recovered form the defaulter who will, how-
ever, not be entitled to any gain accruing thereby. If the de-
faulting firm is a registered firm their registration is liable to 
be cancelled.

(b) In cases where a successful tenderer, after having made 
partial supplies fails to fulfil the contract in full, all or 
any of the materials not supplied may at the discretion of 
the Purchasing Officer be purchased by means of another 
tender/quotation or by negotiation or from the next higher 
tenderer who had offered to supply already and the loss, if 
any, caused to the Government shall thereby together with 
such sums as may be fixed by the Government towards dam-
ages be recovered from the defaulting tenderer.

(c) Even in cases where no alternate purchases are ar-
ranged for the materials not supplied the proportionate por-
tion of the security deposit based on the cost of the materi-
als not supplied at the rate shown in the tender of the de-
faulter shall be forfeited and balance alone shall be refunded.

13. The security deposit shall, subject to the conditions 
specified herein, be returned to the contractor within three 
months after the expiration of the contract, but in the event of 
any dispute arising between the Department concerned and 
the contractor, the Department shall be entitled to de-
duct out of the deposits or the balance thereof, until such 
dispute is determined, the amount of such damages, costs, 
charges and expenses as may be claimed. The same may 
also be deducted from any other sum which may be due at 
any time from Government to the contractor.

In all cases where there are guarantee for the goods sup-
plied the security deposit will be released only after the ex-
piry of the guarantee period.

14. (a) All payments to the contractors will be made by 
the Purchasing Officer in due course:-

(i) either by Departmental cheques payable at the 
Kerala Government Treasuries; or

(ii) by cheques or drafts on the Reserve Bank of India, 
State Bank of India and State Bank of Travancore 
(at any of their Principal Branches in India),

(iii) in the case of supplies from abroad by drafts as 
may be arranged between the contracting parties.

(b) All incidental expenses incurred by the Government 
for making payments outside the District in which the claim 
arises shall be borne by the contractor.

15. The tenderers shall quote also the percentage of rebate 
(discount) offered by them in case the payment is made 
promptly within fifteen days/within one month of taking de-
elivery of stores.

16. Ordinarily payments will be made only after the sup-
plies are actually verified and taken to stock but in excep-
tional cases, payments against satisfactory shipping docu-
ments including certificates of Insurance will be made up to 
90 percent of the value of the materials at the discretion of 
Government. Bank charges incurred in connection with pay-
mant against documents through Bank will be to the account 
of the contractor. The firms will produce stamped pre-
receipted invoices in all cases where payments (advance/fi-
nal) for release of railway receipts/shipping documents are 
made through bank.

17. The contractor shall not assign or make over the con-
tract or the benefit or burdens thereof to any other person or 
body corporate. The contractor shall not underlet or sublet 
to any person or persons or body corporate the execution of 
the contract or any part thereof without the consent in writ-
ing of the Purchasing Officer who shall have absolute power 
to refuse such consent or to rescind such consent (if given) 
at any time if he is not satisfied with the manner in which 
the contract is being executed and no allowance or compen-
sation shall be made to the contractor or the sub-contractor 
upon such rescission. Provided always that if such consent 
be given at any time, the contractor shall not be relieved from 
any obligation, duty or responsibility under this contract.

18. (a) In case the contractor becomes insolvent, or goes 
into liquidation, or makes or proposes to make any assign-
ment for the benefit of his creditors or proposes any compo-
sition with his creditors for the settlement of his debts, or 
carries on his business or the contract under inspection on 
behalf of his creditors, or in case any receiving order or or-
ders for the administration of his estate are made against 
him, or in case the contractor shall commit any act of insol-
olvency or in case in which under any clause or clauses of his 
contract the contractor shall have rendered himself liable to 
damages amounting to the whole of his security deposits, 
the contract shall thereupon, after notice given by the Pur-
chasing Officer to the contractor be determined and the De-
partment/Government may complete the contract in such time 
and manner and by such persons as the Department/Gov-
ernment shall think fit. But such determination of the con-
tract shall be without any prejudice to any right or remedy 
of the Government against the contractor of his sureties in 
respect of any breach of contract theretofore committed by 
the contractor. All expenses and damages caused to Gov-
ernment by any breach of contract by the contractor shall be 
paid by the contractor to Government, and may recovered 
from him under the provisions of the Revenue Recovery Act 
in force in the State.

(b) The persons/contractors submitting tenders should 
produce a Solvency Certificate, clearly indicating to what 
extent they are solvent from the Tahsildar of the Taluk where 
they reside, along with their tenders.

Note:- The Solvency Certificate referred to above will ap-
ply only in the case of supply of the following articles viz., 
dietary articles, fuels, raw materials like roots, creepers, 
flowers, etc., and provisions to hos-
pitals and hostels, sundry articles, etc.

19. (a) In case the contractor fails to supply and deliver 
any of the said articles and things, within the time provided 
for delivery of the same or in case the contractor commits 
any breach of any of the covenants stipulations and agree-
ments herein contained, and on his part to be observed and 
performed then and in any such case, it shall be lawful for 
Government (if they shall think fit to do so) to arrange for 
the purchase of the said articles and things from elsewhere 
or on behalf of the Government by an order in writing under 
the hand of the Purchasing Officer put an end to this con-
tract and in case the Government shall have incurred, sus-
tained or been put to any costs, damages or expenses by rea-
son of such purchase or by reason of this contract having 
been so put an end to or in case any difference in price, com-
ensation, loss, costs, damages, expenses or other moneys 
shall then or at any time during the continuance of this con-
tract be payable by the contractor to the Government under 
and by virtue of this contract it shall be lawful for the Gov-
ernment from and out of any moneys for the time being pay-
able or owing to the contractor from the Government under 
or by virtue of this contract or otherwise to pay and reim-

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**General Conditions**

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burse to the Government all such costs, damages and expenses they may have sustained, incurred or been put to by reason of the purchase made elsewhere or by reason of this contract having been so put an end to as aforesaid and also all such difference in price, compensation, loss, costs, damages, expenses and other moneys as shall for the time being be payable by the contractor aforesaid.

(b) In case any difference or dispute arises in connection with the contract, all legal proceedings relating to the matter shall be instituted in the Court within whose jurisdiction the Purchasing Officer voluntarily resides.

20. Any sum of money due and payable to the contractor (including security deposit returnable to him) under this contract may be appropriated by the Purchasing Officer or Government or any other person authorised by Government and set off against any claim of the Purchasing Officer or Government for the payment of a sum of money arising out of or under any other contract made by the contractor with the Purchasing Officer or Government or any other person authorised by Government. Any sum of money due and payable to the successful tenderer or contractor from Government shall be adjusted against any sum of money due to Government from him under any other contracts.

21. Every notice hereby required or authorised to be given may be either given to the contractor personally or left at his residence or last known place of abode or business or may be handed over to his agent personally, or may be addressed to the contractor by post at his usual or last known place of abode or business and if so addressed and posted shall be deemed to have been served on the contractor on the date on which, in the ordinary course of post, a letter so addressed and posted would reach his place of abode or business.

22. The tenderers shall undertake to supply materials according to the standard sample and/or specifications.

23. (a) No representation for enhancement of rates once accepted will be considered.

(b) In the case of imported goods, when the price accepted is the ex-site price quoted by the tenderer, the benefit of any reduction in the c.i.f. price should accrue to the purchasing department of Government.

24. Any attempt on the part of the tenderers or their agents to influence the Department/Stores Purchase Department in their favour by personal canvassing with the Officers concerned will disqualify the tenderers.

25. Tenderers should be prepared to accept orders subject to the penalty clause for forfeiture of security in the event of default in supplies or failure to supply within the stipulated period.

26. Samples should be forwarded if called for and unapproved samples got back by the tenderers at their own cost. Samples sent by V.P. Post or ‘freight to pay’ will not be accepted. The approved samples may or may not be returned at the discretion of the undersigned. Samples sent by post, railway or plane should be so despatched as to reach the Purchasing Officer not later than the date on which the tenders are due. In the case of samples sent by railway the receipt should be sent separately and not along with the tender since the tender will be opened only on the appointed day and demurrage will have to be paid if the railway parcels are not cleared in time. Government will not be responsible if any sample is found missing at any time due to the non-observance of the provisions of this clause. Tenderers whose samples are received late will not be considered. Samples should be forwarded under separate cover duly listed and the corresponding number of the item in the tender schedule should also be noted in the list of samples. Tenders for the supply of materials are liable to be rejected unless samples, if called for, of the materials tendered for are forwarded.

27. Telegraphic quotations will not be considered unless they give details of prices and are immediately followed by confirmation with full relevant details posted before the due date of the tender.

28. (a) The prices quoted should be inclusive of all taxes, duties, cesses, etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract.

(b) In case payment of Customs/Excise Duty is to be made by the Purchasing Officer, the Purchasing Office will pay the duty on the “unloaded invoice price” only in the first instance, any difference being paid when the tenderer produces the final assessment orders later.

29. The tenderer will invariably furnish the following certificate with their bills for payment:—

“Certified that the goods on which sales tax has been charged have not been exempted under the Central Sales Tax Act or the State Sales Tax Act or the Rules made thereunder and the charges on account of Sales Tax on these goods are correct under the provisions of the relevant Act or the rules made thereunder. Certified further that we (or our Branch or Agent)

(Address)

are registered as dealers in the State of ......................... under Registration No. ............................... for purpose of Sales Tax”.

30. Special conditions, if any, of the tenderers attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.

31. This applies only to the case of supply contracts where works such as erection and construction have also to be done. This may be scored out when not applicable. In the event of any question or dispute arising under these conditions or any special conditions of this contract or in connection with this contract, the same shall be referred to the award of an arbitrator to be nominated by the Purchasing Officer and an arbitrator to be nominated by the contractor, or in case of the said arbitrators not agreeing, then to the award of an umpire to be appointed by the arbitrators in writing before proceeding on the reference and the decision of the arbitration or in the event of their not agreeing of the umpire appointed by them, shall be final and conclusive and the provisions of the Indian Arbitration Act, 1940 and of the rules thereunder and any statutory modifications thereof shall be deemed to apply to and be incorporated in this contract. Upon every and any such reference, the assessment of the costs incidental to their reference and award respectively shall be in the discretion of the arbitrators or in the event of their not agreeing of the umpire appointed by them. The venue of arbitrations shall be the place from which the acceptance of tender is issued or such other place as the purchaser at his entire discretion may determine.

32. The tenderer should sent along with his tender an agreement executed and signed in Kerala Stamp Paper worth Rs.15/-.

A specimen form of agreement is given as annexure to this tender. Tenders without the agreement in stamped paper will be rejected out-right.
ANNEXURE

(In Rs. 200 Govt. of Kerala non-Judicial stamp paper)

Agreement

Articles of agreement executed on this the ......................... day of ....................... (month) .................................(year) BETWEEN the Governor of Kerala (hereinafter referred to as “The Government”) of the one part and Sri. ........................................................................................................... (H.E. name and address of the tenderer) (hereinafter referred to as “The Bounden”) of the other part.

WHEREAS in response to the Notification No. ................... dated ....................... the Bounden has submitted to the Government a Tender for the .............................................. specified therein subject to the terms and conditions contained in the said Tender.

WHEREAS the Bounden has also deposited with the Government a sum of Rs. ............................ as Earnest Money for execution of an agreement undertaking the due fulfillment of the contract in case his tender is accepted by the Government.

Now THESE PRESENTS WITNESS and it is hereby mutually agreed as follows:-

1. In case the Tender submitted by the Bounden is accepted by the Government and the contractor for ...................................... is awarded to the Bounden, the Bounden shall within ....................... days of acceptance of his tender execute an agreement with the Government incorporating all the terms and conditions under which the Government accepts his Tender.

2. In case the Bounden fails to execute the agreement as aforesaid incorporating the terms and conditions governing the contract, the Government shall have power and authority to recover from the Bounden any loss or damage caused to the Government by such breach as may be determined by the Government by appropriating the Earnest Money deposited by the Bounden and if the Earnest Money is found to be inadequate the deficit amount may be recovered from the Bounden and his properties movable and immovable in the manner hereinafter contained.

3. All sums found due to the Government under or by virtue of this agreement shall be recoverable from the Bounden and his properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue and in such other manner as the Government may deem fit.

In witness whereof Sri. ........................................................................................................... (H.E. name and designation) for and on behalf of the Governor of Kerala and Sri. .............................................. the Bounden have hereunto set their hands the day and year shown against their respective signatures.

Signed by Sri. ............................................................................................................... (date) .................

In the presence of witnesses:

1. ..........................................................
2. .........................................................

Signed by Sri. ............................................................................................................... (date) .................

In the presence of witnesses:

1. ..........................................................
2. .........................................................