भा.क.नि.
CCI

# THE COTTON CORPORATION OF INDIA LTD.

**(A Government of India Undertaking)**
**'Kapas Bhavan', Plot No.3-A, Sector 10, CBD-Belapur, Navi Mumbai 400 614.**

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Ref. No: CCI/HO/CTL/PDMM/2018-19 Date: 31.08.2018

## TENDER FOR SUPPLY OF

## "PORTABLE DIGITAL MOISTURE METERS"

The Cotton Corporation of India Ltd. ("CCI" or "Corporation"), a Government of India undertaking under the Ministry of Textiles, Govt. of India is engaged in the business of procurement of raw cotton (KAPAS) from the farmers through Agriculture Produce Market Committees (APMC), processing the same into Full Pressed bales (FP bales) and supply of FP bales to domestic mills as well as in export. The Corporation is doing the marketing operations through a network of 19 branch offices located in different cotton growing State and sale offices in cotton consumption States in the country. The Head Quarter of the Corporation is at CBD Belapur, Navi Mumbai.

**SCOPE OF WORK:**

The Corporation intends to install presently 350 nos. of **"PORTABLE DIGITAL MOISTURE METERS"** at various branches of the Corporation to measure moisture in Seed cotton, Lint and FP Bales. The scope of work shall cover supply of Portable Digital Moisture meters at site along with its accessories forming part of the technical specification.

## A. TECHNICAL SPECIFICATIONS

**The Portable Digital Moisture Meter shall have the following Technical Specifications:-**

1) Instrument shall be capable of measuring residual moisture content in Cotton in terms of percentage with range minimum from 3 to 20%.
2) Each instrument shall be provided with unique ID.
3) Instrument shall be Android mobile app based with Mobile phones having minimum 5 inch HD Colour touch screen display, minimum 2GB RAM memory, minimum 32 GB memory, minimum 8 mega pixel Camera and battery capacity of minimum 3000 mAh with standard USB cable.
4) Sensors and mobile shall be communicated either with USB Cable or by wireless connection using Bluetooth.
5) Looking to the security compliance/security audit, the mobile application shall be secured & certified by the government empanelled agency i.e. CERT-IN or STQC.
6) The Mobile app shall either be pre-loaded or can be downloaded from Google playstore.
7) Each Instrument shall be given certification by NABL accredited laboratories at the time of delivery of moisture meter. After warranty period of one year, the supplier has to calibrate all instruments with NABL accredited laboratories for a minimum period of 2 years at no extra cost.
8) Instrument shall have Auto-calibration facility.
9) Instrument shall be provided with Master calibration device to check the reliability of the instrument at any time of operation.
10) Instrument shall have the facility to capture the tests spots by camera and reports shall be saved with results tagged in the image of test spots.
11) Instrument shall be provided with Charger and shall have minimum 8 hours of backup time once fully charged and Low battery Indication.
12) Instrument shall have the mechanism to facilitate transfer of moisture meter data directly into ERP Oracle E-business suite.
13) Instrument also shall have the facility to transfer datas to any of the Computer in PDF & CSV format using USB Cable.

14) Instrument shall be provided with each 1 no of pointed, detachable, two pin Electrodes made of stainless steel with length 300 mm x 8 mm ± 1 mm diameter having full electrode sensitivity and 1 no of pointed, detachable, two pin electrodes made of stainless steel with length 150 mm x 2 mm diameter having full electrode sensitivity.
15) Instrument shall have detachable SS electrodes with female thread of 6mm to be fixed with the studs attached with the handle.
16) Each electrode shall be provided with Probe guide ring made of acrylic /ABS material with thickness not less than 8 mm.
17) The instrument shall have round handle which is made up of Aluminum with hard anodized /stainless steel thickness not less than 2mm with proper grip for handling along with inbuilt electronic circuits. The maximum length of the handle shall be 150 mm and diameter between 30 to 35 mm.
18) Each instrument shall be provided with sturdy cabinet and spongy materials inside to accommodate instrument and its accessories.

**The algorithms of the instruments shall be finalized as below:**

a) The instrument shall start with indicating the Unique ID with auto date and time update.
b) There shall be provision for (i) Auto Calibration selection before starting of the moisture testing, (ii) option to skip auto-calibration and (iii) auto-calibration as and when required.
c) Instrument shall have Provision to feed alpha numeric inputs such as (a) Name of the Farmer along-with Unique ID (such as Aadhar ID or any govt issued ID), (b) Purchase date, (c) Centre, (d) Variety of Cotton, (e) Selection of no of tests per sample.
d) Auto-generation of six digit test IDs.
e) Testing of moisture and capturing the images of test spots by camera.
f) Facility to abort the testing in between the operation and saving the results before reaching the no of tests per sample entered.
g) Saving of test reports & images tagged with test results.
h) Retrieval of un-editable test datas.
i) Test datas can be retrieved in consolidated reports, Farmer-wise, date wise, variety wise, centre-wise.
j) Facility to Transfer of un-editable moisture meter data directly into ERP Oracle E-business suite and to PC in PDF and CSV format using USB cable.

## B: OTHER TERMS & CONDITIONS

i) Interested Tenderers shall submit their Tender in the Tender box located at fourth Floor, Kapas Bhavan, Plot No.3A, Sector -10, CBD Belapur, Navi Mumbai – 400 614 addressed to General Manager (Purchase), THE COTTON CORPORATION OF INDIA LTD. on or before 20.09.2018 by 2.30 p.m., as under:

**Envelope A:** Sealed Envelope "A" marked as "Technical Bid-1" on the envelope shall contain Technical Bid-1 along with EMD D.D/Pay Order & other related documents except financial bid.

**Envelope B:** Sealed Envelope "B" marked as "Financial Bid-2" on the envelope shall contain Financial Bid-2 (Price Quotations).

**Envelope C:** Sealed Envelope C shall contain Envelope "A" and Envelope "B" duly super scribing "**Tender for Supply of Portable Digital Moisture Meters**"

*(Note: Each envelope shall contain the name and address of the Party).*

ii) Technical bid will be opened at 3.00 p.m. on 20.09.2018 in the presence of the Bidders who remain present at the time of opening of Tender.

iii) The Tenderers shall attach self attested photo copies of Certificate registering as an Original Equipment Manufacturer (O.E.M), PAN No & GST No along with Technical bid-1.

iv) **EARNEST MONEY DEPOSIT (EMD):** The Tenderers shall pay Earnest Money Deposit (EMD) of Rs.2 Lakh by the way of Demand Draft or Pay Order of any Scheduled Commercial Bank drawn in favour of "The Cotton Corporation of India Ltd" payable at Mumbai. No interest shall be paid on the EMDs.

v) The tender as per prescribed format shall be submitted with each page of the tender form stamped & signed by the Authorized Signatory.

vi) The Tenderer shall quote their rates strictly as per specifications and format given with complete details on Technical Specifications.

vii) **Calibration Certificate:** The Tenderer shall provide the Calibration certificate for each instrument from NABL accredited Laboratory along with the supply of Instrument.

viii) **Calibration:** The Tenderer shall agree to calibrate the instrument in NABL accredited Laboratories for minimum 2 years after expiry of one year warranty period at no extra cost.

ix) On the basis of actual requirements, the number of instruments to be supplied could vary by 10% on either side.

x) The tenderers will have to deliver the instrument as per the instruction of the Corporation. The last date of delivery shall be the 60th day from placing the purchase order. The likely destination and quantity to be delivered at our various Branch Offices are as under:

| Slno | Branch Office | State | Quantity |
|---|---|---|---|
| 1 | Akola | Maharashtra | 29 |
| 2 | Aurangabad | | 35 |
| 3 | Navi Mumbai | | 2 |
| 4 | Indore | Madhya Pradesh | 16 |
| 5 | Ahmedabad | Gujarat | 28 |
| 6 | Rajkot | | 32 |
| 7 | Sirsa | Haryana | 9 |
| 8 | Bathinda | Punjab | 19 |
| 9 | Bhilwara | Rajasthan | 7 |
| 10 | Sriganganagar | | 8 |
| 11 | Guntur | Andhra Pradesh | 43 |
| 12 | Rayagada | Orissa | 7 |
| 13 | Warangal | Telengana | 52 |
| 14 | Mehboobnagar | | 25 |
| 15 | Adilabad | | 24 |
| 16 | Hubli | Karnataka | 14 |
| | | **Total** | 350 |
| Destination/Quantity may change as per requirement | | | |

xi) The detailed address of the Corporation's Branch Offices can be seen / downloaded from our website www.cotcorp.gov.in. The quantity / destinations may vary depending upon the requirement at the time of supply.

xii) In case of delay in physical delivery of the instruments from the schedule given in the tender at Clause (7) of part A of Technical Bid-1, a penalty of Rs.250/- per instrument for every week or part thereof, shall be levied on the Tenderer.

xiii) CCI shall make 90% payment within seven working days on production of satisfactory report from the respective Branch Head's that the Portable Digital Moisture Meters are working satisfactorily along with copy of invoices in quadruplicate, and delivery challan duly acknowledged about receipt of instrument in good & satisfactory working condition at destination.

xiv) In case of non-performance of the contract by the Tenderer, the Corporation reserves its right to purchase the unperformed quantity of portable digital moisture meters from other sources at the cost & risk of the Tenderer and shall recover the loss from the Tenderer.

xv) After completion of entire supply in good condition, the balance 10% amount will be released after adjustment of any amount due/penalty etc., if any.

xvi) The EMD amount of Rs. 2,00,000/- will be released after completing second year calibration of Instrument.

xvii) The tender shall be signed by the person having necessary authorization.

xviii) Tenders received without EMD money is liable to be rejected (except MSME Unit with valid certificate).

xix) Financial Bid-2 for price quotation shall be opened in respect of only those tenderers who qualify in Technical Bid-1 for Specifications including deposit of Earnest Money and other requirements.

xx) Tenders containing false, incomplete and/or inadequate information are liable to be rejected.

xxi) Corporation reserves its right to accept or reject the tenders. However, in case, any tender is rejected, applicant may seek the reason for rejection. In case, applicant has any query about the tender condition and/or tender process may seek clarification from the Corporation.

xxii) **PRE-BID MEETING:** Pre-bid meeting is scheduled on 10.09.2018 by 3.00 pm in the cabin of General Manager (Purchase) at 4th floor of Kapas Bhavan. The Corporation shall endeavor to respond to the queries within the period of 3 days after the date of pre-bid meeting. All the queries and its responses thereto shall be made available by the Corporation on its website http://www.cotcorp.org.in.

xxiii) **ARBITRATION:** In case of any dispute or difference arising out of or in relation to the contract regarding Portable Digital Moisture meters shall be referred to an Arbitrator appointed by the Director (Finance) or Director (Marketing) of the "CCI" and the decision of the sole Arbitrator so appointed shall be final and binding upon parties hereto. The Arbitrator will be governed by the provisions of the Arbitration & Conciliation Act, 1996 or any statutory amendments or re-enactments thereof. The Arbitration shall be held in Mumbai in English language.

xxiv) **AWARD OF CONTRACT:** The Purchase order shall be given to the Lowest Tenderer (L1) only.

**Signature of the Tenderer :**

**Name of the Tenderer :**

**Address & Seal :**

## C: DECLARATIONS

(1). I/We hereby declare that I/We have downloaded the tender documents from The Cotton Corporation of India Ltd., website www.cotcorp.gov.in and printed the same. I/We have verified the contents of the printed documents from the website and there is neither any addition nor any deletion nor any alteration to the content of the tender documents.

(2). I/We declare that the information /tender form downloaded is original and in the event of this being different from the original tender documents, my tender documents may be rejected by the Corporation including forfeiture of earnest money.

(3). I have carefully read the tender document, all the terms and conditions of the tender and shall abide by the same.

**Signature of the Tenderer :**

**Name of the Tenderer :**

**Address & Seal :**

**TENDER FOR SUPPLY OF**

**PORTABLE DIGITAL MOISTURE METERS**

**TECHNICAL BID: 1**

Details to be filled in all the relevant columns of the tender.
(The ☑ mark in the box shall indicate YES and ☒ mark shall indicate NO)

(1) Name of the Tenderer : .....

Complete Postal Address with Pin code : .....

.....

.....

Telephone No. : .....

Fax number : .....

Name of the Contact Person : .....

Designation : .....

Mobile No. :

(2) Whether the Tenderer is registered as Original Equipment Manufacturer (O.E.M) (Copy of Certificate of Registration issued by the Industry dept. or any other Indian Authority shall be enclosed) :

| YES | NO |
|---|---|

(3) Whether the Tenderer is registered as a manufacturing unit as MSME? :

(If Yes, Pl attach concerned valid certificate)

| YES | NO |
|---|---|

(4) If MSME, SC/ST Category? :

(If Yes, Pl attach concerned valid certificate)

| YES | NO |
|---|---|

| | | | |
|---|---|---|---|
| (5) | Whether the Tenderer is under startup category?<br><br>(If Yes, Pl attach concerned valid certificate) | : | **YES** / **NO** |
| (6) | Details of Earnest Money Deposit (EMD)<br><br>(MSME unit with valid certificate exempted from EMD) | : | D.D. /P.O no……dated……for Rs.2,00,000/- (Rupees Two lakh only) drawn on…… Bank in favour of the Cotton Corporation of India Ltd., payable at Mumbai is enclosed. |
| (7) | PAN NO of the Tenderer (Copy to be attached) | : | …… |
| | GST NO of the Tenderer (Copy to be attached) | : | …… |
| (8) | Whether the Tenderer is manufacturing Portable Digital Moisture meters to measure moisture in seed cotton, Lint and FP Bales? | : | **YES** / **NO** |
| (9) | Whether the Tenderer can supply 350 nos of Portable Digital Moisture meters on FOR destination basis within 60 days of placing the purchase order? | : | **YES** / **NO** |
| (10) | The Instrument shall have the following Technical specifications: | | |
| | 1. Instrument shall be capable of measuring residual moisture content in Cotton in terms of percentage with | : | **YES** / **NO** |

range minimum from 3 to 20%.

| | | | |
|---|---|---|---|
| 2. Each instrument shall be provided with unique ID. | : | YES | NO |
| 3. Instrument shall be Android mobile app based with Mobile phones having minimum 5 inch HD Colour touch screen display, minimum 2GB RAM memory, minimum 32 GB memory, minimum 8 mega pixel Camera and battery capacity of minimum 3000 mAh with standard USB cable. | : | YES | NO |
| 4. Sensors and mobile shall be communicated either with USB Cable or by wireless connection using Bluetooth. | : | YES | NO |
| 5. Looking to the security compliance/security audit, the mobile application shall be secured & certified by the government empanelled agency i.e. CERT-IN or STQC. | : | YES | NO |
| 6. The Mobile app shall either be pre-loaded or can be downloaded from Google playstore. | : | YES | NO |
| 7. Each Instrument shall be given certification by NABL accredited laboratories at the time of delivery of moisture meter. After warranty period of one year, the supplier has to calibrate all instruments with NABL | : | YES | NO |

accredited laboratories for a minimum period of 2 years at no extra cost.

| | | | |
|---|---|---|---|
| 8. | Instrument shall have Auto-calibration facility. | : | YES / NO |
| 9. | Instrument shall be provided with Master calibration device to check the reliability of the instrument at any time of operation. | : | YES / NO |
| 10. | Instrument shall have the facility to capture the tests spots by camera and reports shall be saved with results tagged in the image of test spots. | : | YES / NO |
| 11. | Instrument shall be provided with Charger and shall have minimum 8 hours of backup time once fully charged and Low battery Indication. | : | YES / NO |
| 12. | Instrument shall have the mechanism to facilitate transfer of moisture meter data directly into ERP Oracle E-business suite. | : | YES / NO |
| 13. | Instrument also shall have the facility to transfer datas to any of the Computer in PDF & CSV format using USB Cable. | : | YES / NO |
| 14. | Instrument shall be provided with each 1 no of pointed, detachable, two pin Electrodes made of stainless steel with length 300 mm x 8 mm ± 1 mm diameter having full electrode sensitivity and 1 no of pointed, | : | YES / NO |

detachable, two pin electrodes made of stainless steel with length 150 mm x 2 mm diameter having full electrode sensitivity.

15. Instrument shall have detachable SS electrodes with female thread of 6mm to be fixed with the studs attached with the handle. : | YES | NO |

16. Each electrode shall be provided with Probe guide ring made of acrylic /ABS material with thickness not less than 8 mm. : | YES | NO |

17. The instrument shall have round handle which is made up of Aluminum with hard anodized /stainless steel thickness not less than 2mm with proper grip for handling along with inbuilt electronic circuits. The maximum length of the handle shall be 150 mm and diameter between 30 to 35 mm. : | YES | NO |

18. Each instrument shall be provided with sturdy cabinet and spongy materials inside to accommodate instrument and its accessories. : | YES | NO |

**The algorithms of the instruments shall be as below:**

a) The instrument shall start with indicating the Unique ID with auto date and time update. : | YES | NO |

| | | | |
|---|---|---|---|
| b) | There shall be provision for (i) Auto Calibration selection before starting of the moisture testing, (ii) option to skip auto-calibration and (iii) auto-calibration as and when required. | : | **YES** / **NO** |
| c) | Instrument shall have Provision to feed alpha numeric inputs such as (a) Name of the Farmer along-with Unique ID (such as Aadhar ID or any govt issued ID), (b) Purchase date, (c) Centre, (d) Variety of Cotton, (e) Selection of no of tests per sample. | : | **YES** / **NO** |
| d) | Auto-generation of six digit test IDs. | : | **YES** / **NO** |
| e) | Testing of moisture and capturing the images of test spots by camera. | : | **YES** / **NO** |
| f) | Facility to abort the testing in between the operation and saving the results before reaching the no of tests per sample entered. | : | **YES** / **NO** |
| g) | Saving of test reports & images tagged with test results. | : | **YES** / **NO** |
| h) | Retrieval of un-editable test datas. | : | **YES** / **NO** |
| i) | Test datas can be retrieved in consolidated reports, Farmer-wise, date wise, variety wise, centre-wise. | : | **YES** / **NO** |

| | | | |
|---|---|---|---|
| j) | Facility to Transfer of un-editable moisture meter data directly into ERP Oracle E-business suite and to PC in PDF and CSV format using USB cable. | : | **YES** / **NO** |
| (11) | Whether the instrument has a warranty period of one year? | : | **YES** / **NO** |
| (12) | Whether the Tenderer is in a position to deliver the instruments to all CCI's Branch Offices located in various States? | : | **YES** / **NO** |
| (13) | Whether the Tenderer agreed to provide the Calibration certificate for each instrument from NABL accredited Laboratory along with the supply of Instrument. | : | **YES** / **NO** |
| (14) | Whether the Tenderer agreed to calibrate the instrument in NABL accredited Laboratories for minimum 2 years after expiry of one year warranty period? | : | **YES** / **NO** |

**Signature of the Tenderer :**

**Name of the Tenderer :**

**Address & Seal :**

## TENDER FOR THE SUPPLY OF PORTABLE DIGITAL MOISTURE METERS

### FINANCIAL BID: 2

### (PRICE QUOTATION)

| | | | |
|---|---|---|---|
| A) | Please quote your minimum price per instrument of Portable Digital Moisture meter on FOR destination basis.<br><br>(The above price may be quoted having read with specification, and other terms contained in Technical Bid-1, and it shall be inclusive of all accessories, Calibration charges at the time of delivery, freight, transit insurance and other incidentals etc on FOR destination basis, exclusive of GST.) | Rs. | |
| B) | NABL calibration charges for 2 years after expiry of warranty period of 1 year (exclusive of GST) | Rs. | |
| | **TOTAL PRICE (A+B)** | | |

**Note:**

a) **L-1** will be decided on the basis of Total Price (A+B) quoted as above.

a) Price quoted to remain valid for 30 days from the date of opening of this Financial Bid-2.

b) Calibration charges will be released after carrying out the calibration of the instrument)

**Signature of the Tenderer :**

**Name of the Tenderer :**

**Address & Seal :**

CHECK LIST FOR SUBMISSION OF

**TENDER FOR SUPPLY OF PORTABLE DIGITAL MOISTURE METER.**

**TENDERERS MUST CHECK THE FOLLOWING POINTS BEFORE SUBMITTING THE TENDER**

| | | |
|---|---|---|
| 1. | For Point No.2 of Technical Bid-1, whether the Certificate of Registration issued by the Industry Department or any other Indian Authority is enclosed along-with the Technical Bid-1. | **YES** / **NO** |
| 2. | For Point No.3 of Technical Bid-1, whether the MSME valid certificate is enclosed along-with Technical Bid. | **YES** / **NO** |
| 3. | EMD amount of Rs.2,00,000/- favoring "The Cotton Corporation Of India Ltd.," payable at Mumbai is enclosed along-with the Technical Bid-1. | **YES** / **NO** |
| 4. | Whether each page of the Tender form is stamped & signed by the Authorized Signatory. | **YES** / **NO** |
| 5. | Whether the detailed description/specification of the instrument alongwith the brochure is enclosed with the Technical Bid-1. | **YES** / **NO** |
| 7. | Whether the Envelope A contains Technical Bid-1, other terms, declaration, certificate of registration, description/ specification with brochure along-with EMD money. | **YES** / **NO** |
| 8. | Whether the Envelope B contains Financial Bid-2. | **YES** / **NO** |
| 9. | Whether the Envelope C contains Envelope-A and Envelope-B duly super-scribing "Tender for Supply of Portable Digital Moisture Meter ", along-with name and address of the Tenderer. | **YES** / **NO** |