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Organisation Chain :		Council of Scientific and Industrial Research CCMB-Hyderabad - CSIR Purchase-CCMB - CSIR			
Tender ID :		2019_CSIR_37524_1			
Tender Ref No :		3081/281019/5713/EQPT			
Tender Title :		Supply of Chemiluminescence and Fluorescence Imaging System			
Corrigendum Type :		Technical Bid			
Corrigendum Document Details					
Corr.No.	Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size (in KB)
1	Corrigendum on Amendment of Technical Specifications and eligibility	Chemiluminescence and Fluorescence Imaging System Corrigendum on Amendment to Technical Specifications and requirements and eligibility prescribed in Chapter 4 and Chapter 6 of the Original tender document on the subject	24-Dec-2019 12:27 PM	3081AmendmetOfSpecificationsOfChemiluminescenceafterPBCon19.12.19.pdf	242.99



सीएसआईआर-कोशिकीय एवं आणविक जीवविज्ञान केन्द्र
CSIR-CENTRE FOR CELLULAR & MOLECULAR BIOLOGY

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)

(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)

उप्पल रोड, हैदराबाद/Uppal Road, Hyderabad – 500 007

(तेलंगाना/TELANGANA) भारत/India

Tender ID No. 2019_CSIR_37524_1

CCMB Ref. No. 3081/281019/5713/EQPT

Date: 24.12.2019

Sub.- Amendment to original Tendered Technical Specifications for procurement of **“Chemiluminescence and Fluorescence Imaging System”** – reg.

With reference to Pre-Bid Conference (PBC) held on 19.12.2019 to finalise the tendered specifications, all bidders are requested to take a NOTE of the CHANGES in the tendered specifications at REVISED CHAPTER- 4 and 6 placed below. Accordingly , tendered specifications of “Chemiluminescence and Fluorescence Imaging System” mentioned under CHAPTER- 4 and CHAPTER- 6 in the original Tender Document gets completely substituted by REVISED CHAPTER- 4 and REVISED CHAPTER 6 placed below (Page 2 to 4 and 5 to 8 respectively) and bidders in their own interest are advised to carefully go through changes before submitting their e-bid.

There is no change in other Terms and Conditions of the original Tender Document.

Bidders are advised to submit their e-bids as per original schedule given in the Tender Document on the subject which is also reproduced below for information-

BID submission Start Date & Time	24.12.2019 (17.00 Hrs onward)
BID submission End Date & Time	08.01.2020 (upto 14.00 Hrs)
Date & Time for opening of Bids	09.01.2020 (upto 14.30 Hrs)

Note: Prescribed BID SECURITY /EMD in original giving CCMB Tender Reference and CPPP Tender ID Reference must reach this office on or before BID Submission End Date & Time i.e. 08.01.2020 (upto 14.00 Hrs) at the address given in Tendered Document, as also reproduced below: –

“Stores & Purchase Officer, CCMB, Habsiguda, Uppal Road, Hyderabad-500007,INDIA”.

Sd/-

(Dharmendra Kumar)

Stores & Purchase Officer

Specifications for CHEMILUMINESCENCE & FLUORESCENCE IMAGING SYSTEM, QTY: 03 NOS.:

1) Chemiluminescence & Fluorescence Imaging system for multiplexed western blots and plants comprising of the below:

2) **Instrument type:** Cooled CCD Camera based imaging and analysis system.

The system offered should be a compact bench top standalone model with built-in controller / PC and minimum 10" size touch screen display or bigger size attached to the hood for all operations (or) External desktop computer controlled model.

3) **Cooled CCD Camera:** 16 bit monochrome peltier cooled CCD Camera with Minimum 6 megapixels of CCD resolution (or) more suitable for scientific imaging.

4) **Camera Cooling Temperature:** * minus 5°C Absolute (or) better regulated cooling

5) **Dynamic Range:** Minimum 4.0Orders and above

6) **Camera interface:** USB

7) **Field of View:**

a) At least 20cm x 15cm (or) More

b) Should be capable of fluorescence Imaging of whole plant of minimum 6 inches height.

8) **Motorized zoom lens:** F 0.95 (or) better motorized zoom lens with aperture, zoom and focus controls through software (to facilitate imaging of various sample sizes).

(OR)

F 0.95 (or) better motorized fixed focus lens with aperture, focus control controls through software & stage Zoom (to facilitate imaging of various sample sizes).

9) **Motorized filter wheel:** Minimum 7 positions (or) more

10) **Dark Room Hood:** Light tight cabinet with UV safety switch & pull out drawer type mechanism for UV transilluminator / * Green LED transilluminator

11) **Built-in excitation light sources to cover a wide range of applications for Protein and DNA Staining Dyes:**

a) Trans UV (302nm/312nm midrange 20cm X 15cm filter size) / * Green LED transilluminator (510nm 20cm X 15cm filter size).

b) Trans White (or) White Light Conversion Screen (20cm X 15cm filter size),

c) Epi White LED,

d) Multiplexed Epi Red LED approx. 625nm-650nm,

e) Multiplexed Epi Green LED approx. 520nm-545nm,

f) Multiplexed Epi Blue LED approx. 460nm-490nm ,

g) Multiplexed Epi Far Red LED/* Laser approx. 650nm-675nm,

h) Multiplexed Epi Near IR LED/* Laser approx. 755nm-777nm

Specifications are subject to demonstration of the offered model in CCMB and acceptance with our user samples and after verification of satisfactory performance.

12) Emission filters (Each 1No.) suitable for above excitation wavelengths & for Automatic detection of dyes such as Cy5,Cy3, Cy2, Alexa fluor 488, alexa flour 680, alexa flour 800 etc.:

- a) approx. 590/110nm Ethidium bromide filter,
- b) approx. 675nm-725nm Red fluorescence filter,
- c) approx. 577nm-613nm Green fluorescence filter,
- d) approx. 518nm-546nm Blue fluorescence filter,
- e) approx. 700nm-730nm Far Red filter,
- f) approx. 813nm-860nm Near IR filter

13) Image acquisition and analysis software features:

- a) Fully automated software for Image Acquisition, Image Optimization, and 1D-Image Analysis should be offered.
- b) Software should facilitate automatic multiplexed imaging of minimum 2 channels (or) more
- c) Manual Image acquisition mode with display of saturated pixels during image acquisition, dynamic flat fielding is compulsory.
- d) Signal accumulation mode (SAM) / Equivalent for easy optimization of exposure time for chemiluminescence detection should be available.
- e) Assisted & automated total protein normalization as an alternative to normalization with single housekeeping proteins (HKPs) should be available.
- f) Image export options like 8 bit tiff, 16 bit tiff, jpg etc. should be available for enabling the user to export images to third party software's for advanced image analysis. Export of Images with User Specified Publishing - Resolution (dpi) & Publishing- dimension should be available.

14) Image analysis software should be offered with 3 user licenses per system.

15) Desktop Computer for image analysis: Latest desktop branded PC (Make: Dell/HP/Lenovo) suitable for the above system and application software with Intel i7 processor, 8GB RAM, 1TB HDD, 19" Flat panel Monitor, DVD-Writer, Keyboard, Mouse, USB, Interface Ports, Ethernet Network Port, Windows7/Windows 8/ Window 10 (64 bit OS) etc. with OS backup copies.

(Make, Model& specifications of the PC offered to be mentioned clearly).

16) Operating voltage: 230 Volts, 50Hz A.C

17) Warranty: 3 Years comprehensive on-site warranty for complete system including computer from date of successful installation and testing.

II Important Clauses:

- 1) Detailed literatures (all originals) with technical specifications and features for main systems and all the accessories to be sent along with the offer.
- 2) The desktop computer offered along with the system should be the latest model compatible with the application software. Required interface cards, cables etc. to be included. The configuration and make to be clearly specified and should include a three year comprehensive onsite warranty. The PC offered should be from well-known reputed manufacturers only. Backup copies of the operating system software to be supplied.
- 3) Detailed instructions and operations manual to be supplied.
- 4) Software supplied should be the latest version and any up-gradation in the software to be given free of cost for next five years.
- 5) All standard accessories that would be supplied with the unit to be clearly mentioned in the offer.
- 6) The principals / local agents are responsible for the installation and testing of the main System and accessories. Integration of the main system with the accessories, training of the users etc. should be carried out at CCMB immediately after receipt of the system.
- 7) Complete installation and testing the main system and the accessories to their specifications with standard samples and user samples to be done at the site of installation free of cost. All utility requirements for installation and running the system should be mentioned in the offer.
- 8) Please indicate the year in which the model offered was introduced into the market and confirm whether the spares for the system would be available for a minimum period of 8 years.
- 9) Availability of local service support and response time for a service call during and after warranty to be specified.
- 10) List of publications in popular research journals using the offered model to be attached.
- 11) Please attach a list of government institutions to which offered model was supplied along with the contact addresses, telephone numbers and e-mail ID's along with installation reports and user certificates. The number of systems supplied to government organizations should be minimum 5No's and more to qualify to participate in tender.
- 12) List of users of the similar models as the one offered, along with the addresses, telephone numbers and E-mail ID's to be enclosed with the offer in a separate annexure.
- 13) Demonstration of the model offered to be given on request from CCMB.
- 14) Technical presentations should be made on request from CCMB.

REVISED CHAPTER 6

Qualification Requirements

(Prequalification Criteria)

Criteria 1 - Experience and Past Performance:

- a) The bidder (manufacturer or principal of authorised representative – hereinafter referred simply as 'The Bidder') should have regularly for at least the last **01 year**, ending 31st March of the previous financial year (hereinafter called 'The relevant Date'), manufactured and supplied/erected/ commissioned **CHEMILUMINESCENCE & FLUORESCENCE IMAGING SYSTEM** with the same or higher specifications having/with "*Chemiluminescence & Fluorescence Imaging for multiplexed western blots and plants parameters*" (hereinafter called 'The Product'). The bidder should submit the *Manufacturer Authorisation Form* as appended in Chapter-8 and
- b) 'The bidder' should have manufactured and supplied (/erected/commissioned) at least five *numbers* (herein after referred as 'The Qualifying Quantity') of 'The Product' in the last *five years* ending on 'The relevant Date', and out of which
- c) At least *five numbers* of offered version/model of 'The product' should be in successful operation for at least *one year* on the date of bid opening.

Criteria 2 - Capability- Equipment & manufacturing Facilities:

'The bidder' must have an annual capacity to manufacture and supply (/erected/commissioned) at least *Five* (The Qualifying Quantity)

Note: In case of multiple products in a tender, this criterion shall be applicable product wise. For example, in case of Printing Paper of different specifications/sizes, it shall be applicable to quantity of paper manufactured and supplied specification/size wise.

Criteria 3 - Financial Standing – under all conditions

- a) The average annual financial turnover of 'The bidder' during the last three years, ending on 'The relevant Date', should be at ₹4500000.00 (or equivalent in foreign currency at exchange rate prevalent on 'The Relevant Date') as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/Cost Accountant in India or equivalent in relevant countries.

Ministry of MSME have clarified that all Central Ministries/Departments/Central Public Section Undertakings may relax condition of prior turnover and prior experience with respect to Micro and Small Enterprises in all public procurements subject to meeting of quality and technical specifications. Further, the condition of prior turnover and prior experience may be relaxed for Start-ups (as defined by Department of Industrial Policy and Promotion) subject to meeting of quality & technical specifications and making suitable provisions in the bidding document (rule 173 (i) of GFR 2017))

- b) Bidder Firm (manufacturer or principal of authorised representative) should not have suffered any financial loss for more than one year during the last three years, ending on 'The Relevant Date'.

- b) The net worth of the Bidder firm (manufacturer or principal of authorised representative) should not be negative on 'The Relevant Date' and also ii) should have not eroded by more than 30% (thirty percent) in the last three years, ending on 'The Relevant Date'.

Note: In case of Indian Bidders/companies (manufacturer or principal of authorized representative) who have been restructured by Banks in India, under the statutory guidelines, they would be deemed to have qualified the Financial standing criteria considering the institutional financial backing available to them.

Applicability in Special Cases:

- a) *Applicability to 'Make in India': Bidders (manufacturer or principal of authorized representative) who have a valid/approved ongoing 'Make in India' agreement/ program and who while meeting all other criteria above, except for any or more of sub-criteria in Experience and Past Performance above, would also be considered to be qualified provided:*
- i) *their foreign 'Make-in-India' associates meet all the criteria above without exemption, and*
 - ii) *the Bidder submits appropriate documentary proof for a valid/approved ongoing 'Make in India' agreement/program.*
 - iii) *the bidder (manufacturer or principal of authorized representative) furnishes along with the bid a legally enforceable undertaking jointly executed by himself and such foreign Manufacturer for satisfactory manufacture, Supply (and erection, commissioning if applicable) and performance of 'The Product' offered including all warranty obligations as per the general and special conditions of contract.*
- b) *Authorized Representatives: Bids of bidders quoting as authorised representative of a principal manufacturer would also be considered to be qualified, provided:*
- i) *their principal manufacturer meets all the criteria above without exemption, and*
 - ii) *the principal manufacturer furnishes a legally enforceable tender-specific authorisation in the prescribed form assuring full guarantee and warranty obligations as per the general and special conditions of contract; and*
 - iii) *the bidder himself should have been associated, as authorised representative of the same or other Principal Manufacturer for same set of services as in present bid (supply, installation, satisfactorily commissioning, after sales service as the case may be) for same or similar 'Product' for past three years ending on 'The Relevant Date'.*
- c) *For Existing Successful Past Suppliers: In case the bidder (manufacturer or principal of authorised representative) who is a successful past supplier of 'The Product' in at least one of the recent past **one** procurements, who do not meet any or more of requirements above, would also be considered to be qualified in view of their proven credentials, for the maximum quantity supplied by him in such recent past.*

Joint Ventures and Holding Companies: Credentials of the partners of Joint ventures cannot (repeat cannot) be clubbed for the purpose of compliance of PQC in supply of Goods/Equipment, and each partner must comply with all the PQC criteria independently. However, for the purpose of qualifying the Financial Standing Criteria, the Financial Standing credentials of a Holding Company can be clubbed with only one of the fully owned subsidiary bidding company, with appropriate legal documents proving such ownership.

Note for Bidders:

- a) **'Doctrine of Substantial Compliance'**: The Pre-Qualification Bidding (PQB) and Pre-Qualification Criteria (PQC) are for shortlisting of sources who are competent to perform this contract to ensure best value for money from expenditure of Public Money. This process is neither intended to bestow any entitlement upon nor to create any rights or privileges for the Bidders, by way of overly hair-splitting or viciously legalistic interpretations of these criteria, disregarding the very rationale of the PQB and PQC. Keeping this caveat in view, interpretation by the Purchaser would be based on common usage of terminologies and phrases in public procurement in accordance with the 'Doctrine of Substantial Compliance' and would be final.
- b) The Bidder must declare, whether asked or not in a bid document, any previous transgressions of such a code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity. Failure to do so would amount to violation of this code of integrity.
- c) In case of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. **One manufacturer can also authorise only one agent/dealer.** There can be only **one bid** from the following:
 - i) The Principal manufacturer directly or through one Indian agent on his behalf; and
 - ii) Indian/foreign agent on behalf of only one principal.
- d) Along with all the necessary documents/certificates required as per the tender conditions, the bidder should furnish a brief write-up, backed with adequate data, explaining his available capacity (both technical and financial), for manufacture and supply of the required goods/equipment, within the specified time of completion, after meeting all their current commitments.
- e) Supporting documents submitted by the bidder must be certified as follows:
 - i) All copy of supply/work order; respective completion certificate and contact details of clients; documents issued by the relevant Industries Department/National Small Industries Corporation (NSIC)/ manufacturing licence; annual report, etc., in support of experience, past performance and capacity/capability should be authenticated by the by the person authorised to sign the tender on behalf of the bidder. Original Documents must be submitted for inspection, if so demanded.

- ii) All financial standing data should be certified by certified accountants, for example, Chartered Accountants/Cost Accountants or equivalent in relevant countries; and Indian bidder or Indian counterparts of foreign bidders should furnish their Permanent Account Number.
- f) A bidder or any of its affiliates who participated as a consultant in the preparation of the design or technical specifications of the contract i.e. the subject of the bid; cannot participate in the bidding process.
- g) Indian agents quoting on behalf of its foreign principal need to submit a copy of the agency agreement with the foreign principal detailing the services to be rendered by them on behalf of the principals, failing which its bid shall not be considered.
- (h) Foreign bidders to disclose the name and address of agent and representatives in India and Indian bidder to disclose their foreign principal or associates.

NOTE: Bidders may also note that in case of any discrepancy pertaining to requirement of Training, Warranty and tendered Technical Specifications mentioned in any other part of Tender Document on the subject, requirement on Training, Warranty and Technical Specifications and eligibility specifically indicated in this REVISED CHAPTER - 4 and CHAPTER - 6 shall prevail.