

Ref: C-CAMP/L-104/2024-25 (C)

October 16, 2024

ENQUIRY

Dear Sirs,

Please let us have your lowest quotation for the following:

Sl.No	Item/s description	Qty.
1	<p><u>Specification for Gel Documentation</u></p> <ol style="list-style-type: none"> 1. The Imaging System should be stand-alone, ready to use with all essential hardware & accessories, darkroom, CCD camera, and advanced single software for image acquisition and analysis. 2. The System should be capable of doing applications like stain free Imaging, Chemiluminescence, Colorimetry, Fluorescence, Densitometry, Nucleic acid Documentation. 3. The System should have in-built 16-bit CCD camera with pixel density of 65,536 gray levels having individual pixel size at least 4.54 x 4.54 µm or bigger. 4. The inbuilt Camera resolution should be 6 megapixels or higher and have a Peltier based cooling. 5. The system should allow users to position their samples using appropriate tray and automated image capture driven by a selected gel or blot application. 6. The system should have capability to automatically recognize the application-specific trays and adjust the imaging parameters and software options accordingly. 7. The system should provide excellent quantitative data from a single blot having very intense and weak signals in a single image; to facilitate the same instrument's dynamic range should be at least 4 orders of magnitude for all applications. 8. The system should provide highest level for sensitivity and hence must have minimal dark and low read noise. 9. The system's image sensor should have excellent Quantum efficiency, this will ensure that the instrument is highly sensitive to very faint signals from chemiluminescent blots. 10. The system should have Motorized zoom fast lens with f/0.95 or better. 11. Light sources/excitation should include – Trans-UV (302 nm), Epi White, trans-white (via White sample tray), Epi-blue (460-490 nm excitation), Epi-green (520-545 nm excitation), Epi-red (625-650 nm excitation), Epi-far red (650-675 nm excitation), Epi-near IR (755-777 nm excitation) for multiplex fluorescence imaging in RGB 12. The system should have optional provision for protective UV shield for use during band excision with safety interlocks to avoid un-intentional UV exposure to the user. 13. The Imaging area for white light, chemiluminescence and fluorescent blot imaging application should be 20.5 cm x 16.5 cm. 14. The system should provide image acquisition with automatic zoom, focus, and iris adjustment without the need for users to focus or adjust aperture settings. 15. The system should have onboard attached touchscreen of 12" or bigger with multi-touch capability enabling users to easily interact with the touchscreen to acquire, assess and export images. Touchscreen actions should include – tap, double tap, pan, scroll to zoom. 16. The system should have multiple input/output ports with minimum 3 USB ports allowing users to connect USB devices (like keyboard, mouse, data storage, and printer). One USB port should be provided on the front panel for easy export to USB. Also, system should have one Ethernet port so that users can transfer image files via Ethernet to networked computers. 17. Factory calibrated flat fielding for ensuring uniform data for all applications. System should be calibrated for image area, focus, and flat field correction at the factory and files stored in the integrated PC. 18. Users should be able to lock the system to prevent others from interrupting/changing the settings. 19. The system should have a fixed sample stage. 20. The system should provide flexibility in selecting the pixel binning options, should be possible to select minimally 1x1, 2x2, 4x4 and 8x8 binning. 21. The system should be provided with analysis software with unrestricted user license. 22. Software should have highest level of automation in hardware calibration, image optimization, capture, and analysis. 23. The system Should have automated workflow recorded in a protocol file from image capture to results thus eliminating need for training. 24. The system should be supplied with suitable desktop computer with minimum 1TB ROM and analysis software with life time license. 25. The Software should have automated normalization feature for normalizing western blot signals of target band with a housekeeping protein band and total protein normalization. 26. The Software should be both PC and Mac compatible and freely upgradeable to future versions. 27. The software should generate the publication ready images (dpi, dimension and format) with one click 	1 No.

export option and in different formats such as tiff, bnp, png and jpg.

28. The Software should have easy copy/paste functionality, crop, zoom, 3D and colors.

29. The Software should perform analysis functions such as lane and band detection, background subtraction, incorporation of nucleic acid/protein standards from vendor as well as external vendors and absolute and relative band intensity determination.

30. The analysis software should be capable of upgradation to 21 CFR compliant version to provide a secure environment for protocol, data acquisition and analysis.

31. At least five prior installation report of the exact same model of the instrument in different universities/ institutes/ companies in India is required (should be provided with proper documentation from corresponding authority). The manufacturer should have at least 50 installations of imaging systems in the country.

32. The instrument should be supplied with 3 year of standard warranty.

33. The system should be CE/ ISO certified.

34. The system should be installed by the trained Engineer and users training should be given on Application, operation and maintenance.

35. The system should be supplied with all the accessories for the functioning of the equipment.

36. The service team should be in Bangalore. Contact details of Engineer should be submitted with this offer.

37. Compliance to each of the above points should be separately indicated and evidence presence for each of them (Product brochures should be highlighted wherever required).

Note:

1. The quotation shall be submitted in a sealed envelope duly superscribed with the enquiry number, and the due date. The bids should be addressed and to be couriered (sent by post/courier) to 'THE GENERAL MANAGER'. The bids are liable to be rejected if the sealed envelope is not addressed to "THE GENERAL MANAGER" with Tender Ref No. and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier, it should reach by submission date and time and CCAMP/NCBS will not be responsible for the delay.
2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS **05/11/2024 BY 5:30PM.**
3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.
4. The validity of your quotation should be for 60 days from the due date.
5. All duties, taxes, surcharge and cess as currently applicable must be stated in your quotation, separately. Otherwise your quote is liable to be rejected.
6. Your quotation should indicate delivery period & warranty period.
7. Delivery to be made to our stores. Please indicate charges, if any extra. Transit Insurance should be done upto CCAMP Stores.
8. If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, please state so and then offer alternative to quality/specifications.
9. Payment: within one month after delivery & acceptance/satisfactory installation.
10. Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.
11. If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.
12. Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore. The provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time shall apply. The courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties
13. Since we are a research institution, we are exempted from paying Customs duty (Except ad valorem duty of 5% + 2% Cess and 1% Cus Sec & High Edu. CESS vide Notification No.51/96 with latest amendments) and excise duty vide Notification No. 10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares, consumables and software. Hence, please offer your prices
14. If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.
15. Liquidity Damages: If the equipment/ items as per specifications in our P.O. is not supplied (shipped) within the specified delivery schedule, then liquidated damages (not in terms of penalty) will be imposed automatically and shall be deducted from the bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.
16. Income Tax at the applicable rates as per the Indian Income Tax Act 1961 will be deducted at source for the services availed / ordered. In case of service provider, the rate of tax deduction shall be at 2% as per Section 194C, and in case of fee for professional / technical services.



Chetana S. R.