

**TRANSLATIONAL HEALTH SCIENCE AND TECHNOLOGY INSTITUTE
NCR Biotech Science Cluster, 3rd Mile stone, PO Box.04,
Faridabad-Gurugram Expressway
Faridabad-121001**

Ref.No. THSTI/NIT/47 /17-18

31 Jan 2018

Subject: Purchase of Nanoparticle Tracking Analysis Instrument with Image analysis Workstation from M/s Malvern Instruments Limited,UK on Proprietary Basis- For Inviting Offers/ Comments/Objections

The request has been received from Dr Pallavi Kshetrapal, Ramalinga Swamy of THSTI to purchase the subject items from M/s Malvern Instruments Limited, UK on proprietary basis.

The documents are being uploaded for open information to submit offers/comments/objections, if any, from any manufacture regarding proprietary nature of the item giving Reference No. THSTI/NIT/47/17-18. The offer should be submitted in compliance with the terms and conditions as attached herewith. M/s Malvern Instruments Limited, UK is also invited to submit its best offer for the required goods. The comments may be emailed to purchase@thsti.res.in or submitted by speed post/courier at the under mentioned address on or before **14 Feb 2018 up to 1500 Hrs.**, failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

To Be Submitted To

**Section Officer (Stores & Purchase)
Translational Health Science and Technology Institute
3rd Mile Stone, Faridabad-Gurugram Expressway, Faridabad – 121001
Phone: +91-129-2876432**

Section Officer (S&P)

Terms and Conditions: Attached



Malvern Instruments Limited
Groewood Road, Malvern
Worcestershire, WR14 1XZ, UK

Tel +44 1684 892456
Fax +44 1684 892789
www.malvern.com

Company registered in England No. 1020602
Registered office as per left

4th March 2016

To Whom It May Concern,

We hereby confirm that the NanoSight product range are proprietary items produced solely by Malvern Instruments Limited, UK.

The NanoSight products are protected by patents:

US7751053B
JP0002577B2
EP1499871B
GB2388189B ✓
US7399600B2

For Malvern Instruments Limited,

A handwritten signature in black ink that reads "Pauline Carnell-Morris".

Pauline Carnell-Morris
Product Group Manager - NanoSight



(12) UK Patent (19) GB (11) 2 388 189 (13) B

(45) Date of publication: 11.01.2006

(54) Title of the invention: Optical detection and analysis of particles

(51) INT CL: G01N 21/84 (2006.01) G01N 21/63 (2006.01) G01N 37/00 (2006.01)

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(52) UK CL (Edition X):
G1A AAJD AAJS AAJX ACJF ACJX AKA

(56) Documents Cited:
US 6280960 A

(58) Field of Search:
As for published application 2388189 A viz:
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ACJF ACJX AKA
INT CL⁷ G01N 15/02 21/55 21/62 21/63
21/64 21/65 21/84 33/553 37/00
Other: ONLINE: WPI, EPODOC, JAPIO
updated as appropriate

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NANOSIGHT INSTRUMENT SPECIFICATIONS

	LM10	NS300	NS500
Manual	•		
✓ Automatic			•
Fixed		•	
Standard CCD	•		•
High-Sensitivity sCMOS	•	•	•
55 mW at 405 nm	•	•	•
⑤ 45 mW at 488 nm	•	•	•
50 mW at 532 nm	•	•	•
40 mW at 638 nm	•	•	•
Size Range	10 - 2000 nm**		
Concentration Range	10 ⁷ - 10 ⁹ Particles per ml		
Temperature Control	•	•	•
Temperature Range	5°C below ambient to 50°C ④		
Fluorescence	•	•	•
✓ Autosampler			•
Syringe Pump	•	•	•
Multiple Filter Array		•	

3

	LM10	NS300	NS500
Sample Volume Requirements	0.3 ml	0.3 ml	0.6 ml
Solvent	Non-corrosive solvent + water		Aqueous samples only
Dimensions (H * W * D)	42 cm * 20 cm * 26 cm	40 cm * 25 cm * 40cm	53 cm * 51 cm * 46 cm
Instrument Weight	7 kg	12 kg	42 kg
Packed Weight	14 kg	25 kg	52 kg
Power Requirements	110 - 220 V*		110 - 220 V
IEEE 1394a (CCD)	•		•
IEEE 1394b (sCMOS)	•	•	•
USB	•	•	•

* with the addition of the LM14 laser module

** dependent on material type

Description

Technical Specification for a Nanoparticle tracking analysis instrument with Image Analysis Workstation

- 1) **Size range:** 10 nm to 2 μ m
- 2) **Concentration Range:** 10⁷ to 10⁹ particles per /ml.
- 3) **Min. Sample volume:** 300 μ l
- 4) **Temperature Range:** 5 ⁰C below ambient to 50 ⁰C.
- 5) **Laser options:** Violet /Blue/Green/Red
- 6) **Sample holder device:** Accessories to introduce the sample to be provided with the equipment.
- 7) **Visual Validation:** Real time visualization and recording of particles moving under Brownian motion with atleast 30 frames per second.
- 8) **Fluorescence Enabled:** Motorized 6 Plate filter wheel with choice of filters
- 9) **Focus:** Motorized focus controlled by the provided computer with appropriate softwares, long working distance, 20x and 40x.
- 10) **Camera:** sCMOS
- 11) **Software:** Control of the instrument and accessories through the software. Reports in customized ways in the following format PDF, CSV, and Spread sheet format with video files.

Optional: Syringe pump

Warranty: 3 years

TERMS AND CONDITIONS

Terms & Conditions:

1. Only manufacturer or authorised distributor will be eligible.
2. Prices quoted /offered should be F.O.R. basis up to Institute at Faridabad for the entire period of rate contract.
3. The supplies if rejected due to non-conformity with the specifications has to be removed and replaced free of cost with in the stipulated period at the ultimate destination. In case of failure to do so the rejected supplies shall be disposed off by THSTI at its own discretion and no claim shall be entertained thereof.
4. The item to be supplied must be of genuine quality/make of authorized manufacturer.
5. Conditional offer will be liable for rejection.
6. Offer should be cleared in regards of earliest delivery period.
7. Warranty: The warranty should be comprehensive for the period of three years after successful installation.
8. Payment: 100% payment shall be made to the supplier within 30 days after successful installation and submission of PBG equivalent to 10% of value of Supply Order, valid for three years warranty period.
9. The manufacture should send true copy of registration of the company with a copy of license of products, GST details and in the case of authorized dealers recent Authorization Certificate of the manufacturer.
10. THSTI is eligible for availing Custom Duty Exemption against DSIR Registration and in terms of Govt. Notification No. 51/96-Custom dated 23 Jul 1996 and Central Excise duty exemption in terms of Govt. Notification No. 10/97-Central Excise dated 01 Mar 1997.
11. Tender Fee/ Earnest Money Deposit: The offer must be accompanied with the Tender Fee Rs. 1,000/- (One Thousand)- Non-Refundable and EMD of Rs. 10,000/- (Rupees Twenty Thousand only) in form of Demand Draft drawn in favour of “**Translational Health Science and Technology Institute**” payable at Faridabad. The offer, if not accompanied by Tender Fee/EMD will be liable to summarily rejected.
12. All rights are reserved with the Executive Director of THSTI who may accept or reject any or all the offers without assigning any reason thereof.