

All-India Institute of Medical Sciences Ansari Nagar, New Delhi-29.

(STORES SECTION (DO)

Dated: 5th March 2015

T. No.XX-236/SO (DO)/N.M./2014-15/FSC

<u>Subject</u>: Purchase of Automated Chemistry module for Amyloid Imaging for Department of Nuclear Medicine at AIIMS, New Delhi-29 on proprietary basis- **Inviting comments thereon**.

The Institute is in the process to purchase **Automated Chemistry module for Amyloid Imaging** for Department of Nuclear Medicine at AIIMS, New Delhi-29 from M/s.Optimized Radiochemical Applications (ORA), Belgium on proprietary basis. The proposal submitted by M/s.B.J.Madan & Co. and PAC certifications are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within issue of 15 days giving reference **T. No.XX-236/SO (DO)/N.M./2014-15/FSC**. The comments should be received by office of Sr. Stores Officer, Stores Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before <u>23.03.2015 upto 12.30 p.m</u>., failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Yours faithfully,

SR. STORES OFFICER

Encl: Related documents enclosed.



Automated chemistry module for Amyloid Imaging

Technical specifications

All India Institute of Medical Sciences, New Delhi is interested to procure state-of-the-art an automated synthesis module for Amyloid PET/CT Imaging in this financial Year (2014-15). The following features shall be an integral part of the module: **Chemistry Modules**: An automated system for easy and efficient production of general [18F]Fluoride (nucleophilic) based tracers and the latest generation of Alzheimer tracers (for detection of Amyloid plaques), that combines flexibility and productivity through an integrated system comprising the following elements:

- All necessary steps of production of [18F]Fluoride based tracers in one module: Trapping of Fluoride ion, nucleophilic substitution, hydrolysis, purification (cartridge or HPLC) and formulation,
- 2. All production steps should be fully automated.
- 3. A preparative radio-HPLC system should be included and integrated into the system software. It should consists of injection valve, preparative HPLC column with precolumn, radioactivity flow-through detector, HPLC pump, UV detector connected to UV cell with optical cables and fraction collector valve to isolate the final tracer. The HPLC pump and the UV detector should be located outside of the hot cell, while the UV cell should be located inside of the hot cell.

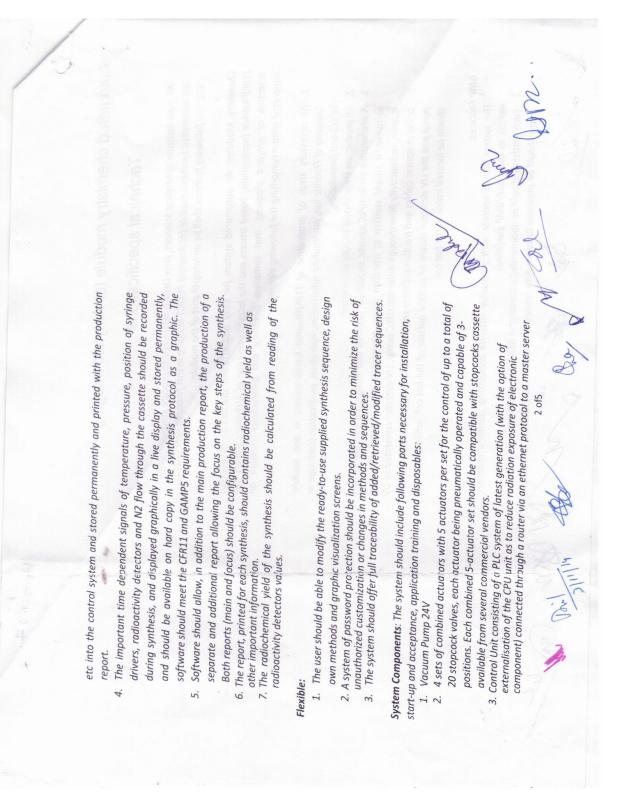
GMP Features:

- 1. The system should operate with disposable cassette comprising sterilised reaction vial as to meet GLP/GMP guidelines.
- 2. Each synthesis should be documented according to GLP/GMP guidelines.
- 3. There should be provision to enter data related to the used materials like lot numbers

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After preparation of the starting material the production should run fully automatically water containing [18F]-fluoride should be transferred automatically from the cyclotron without requiring operator interaction when radioactivity is present. Irradiated target 1. The system should have a hardware self test sequence resulting in a report indicating from a PC console through a generic internet browser, capable of being run on several comprising a database of editable tracer sequences. The server should be accessible purifications and the formulation of the final solution, and the tracer is prepared i.e. it should perform a test of the cassette (for leaks,...), performs the synthesis, The system should be capable of defining the process and set up an appropriate operating systems environment such as Windows, Mac-OS and Linux. General Operator Guide structured as GMP in a set of SOPs. the general operation capability of the module. HPLC pump 230 V System Operation: sequence. 5. e. N 4.

- target into the module.
- The final radiochemical batch should be dispensed into a product container, which may be at a separate location 4.
 - 5. Built-in diagnostic capability should allow for the measurement of vital process parameters such as reaction vessel temperature and pressure, activity in the
 - appropriate process steps, the time for each phase in the process and the chromatogram of the purification process.
- Each radiotracer preparation should be assigned a batch number, which can be printed in hard copy along with a reading of the important production parameters. 9.

Chemical Process:

- 1. The [18F] Fluoride shall be trapped out from the O-water.
- The [18F] Fluoride should be released and transferred into the organic phase by help of a phase transfer catalyst and reacted with a substrate in a reaction vessel. N
 - 3 of5 Other chemicals should be added following a time scheme. s.

5. Solvents should be evaporated from the vessel. The product should be purified by help 6. All process steps should be easily programmable through the application software. The module should work in a temperature range between 30 C and 200 C. of the integrated HPLC-system.

4.

- 7. After the synthesis an automatic cleaning program should be used to clean the system
 - and prepare it for the next production.

System Requirements:

- 1. Voltage: 230 VAC/50 or 60 Hz
- Power Consumption should be: < 0.6 kVA S.
- Compressed Air should be: 5 10 Bar s.
 - N2 or Helium: 2 10 Bar 4.

Process Module Specifications: Should fit to our existing Hot cell

- 1. Approx Size (L x W x H) 56x45x48 cm
 - Weight: not more than 50 kg 5
 - 3. A vacuum pump,
- An HPLC pump, 4.
- An HPLC UV detector and cables 5.

Control System:

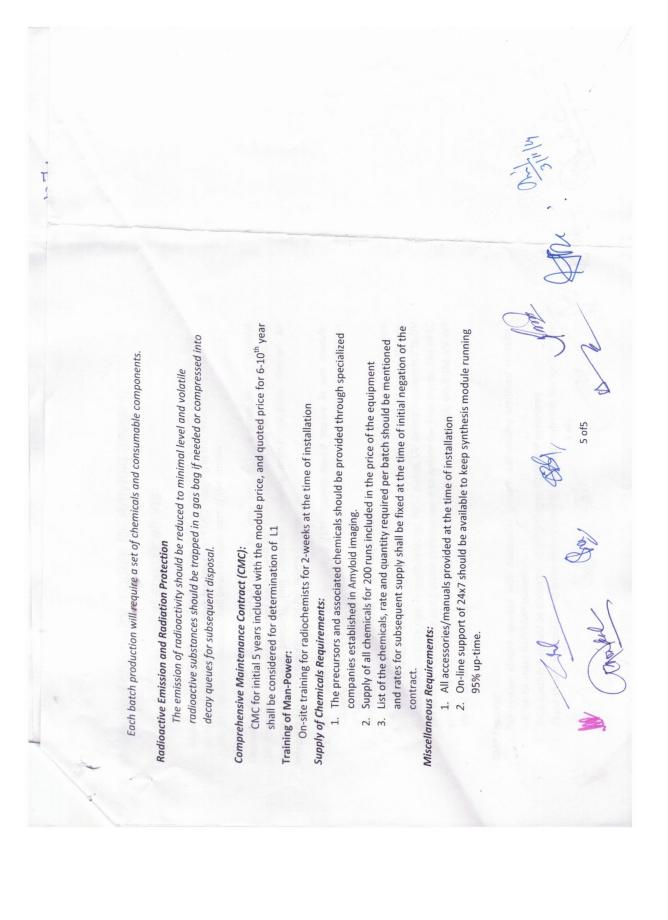
- 1. Production of tracers with the chemistry module should be controlled by an external system (Laptop/PC-based)
 - 2. Ethernet protocol connectivity between module PLC and module server should be inbuilt

Environmental Requirements:

For efficient tracer production the chemistry module should be capable of being housed in a suitably vented hot cell.

Chemistry Module Disposable:

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	Importers & Marketeers LG 13-14-15, Sasco Bhawan, Azadpur Comm. Complex, अन्य211	129-1-15 mez: 00 Pm
	Phone : 011-27670082, 27671021 Fax : 011-27670079 Visit us : www.bjmadan.com E-mail : info@bjmadan.com	अपराहन
anuary 27, 2	Tender fees. DD No. 892158, 20-1-15, Rs 2	000/-
The Director AIIMS, New Delhi. Reference	· EMD BG NO. OSOSIISB40000184, 23-1-15, · Tender Ref No XX-236/SO(DO)/N.M./2014-15/FSC-I	k 4 0000)e
Subject	: Automated Chemistry Module for Amyloid Imaging). Due on 28.01.2015	Page 01 of 02
	Name and	ruge 01 0j 02
SI. No	Name of the Document	Page No.
1	CHECK LIST – Section XVI	(From – to) A
2	Bank Guarantee. No 0505115BG0000184 dated 23/01/2015 for Rs.4,00,000/- drawn in favour of the "DIRECTOR, AIIMS, NEW DELHI, INDIA" issued from State Bank of India, Delhi towards EMD/Bid Security valid for 14 Months, up to 29/03/2016 Downloaded from Website. TENDER COST vide DD No 892158 drawn on SBI for Rs 2000.00	1-2
	in favor of "Director, AIIMS, New Delhi"	
3	Section X Tender Form	3-5
	Essential Documents-	6-39
4	Manufacturers Authorization	0-39
	Technical Bid	
	 Compliance Statement with DETAILED REPLY & Confirmations to Each Individual Specifications of the Tender Specifications 	
	Warranty Statement, Section VII	
	Quality Control Requirements Section VIII	
	UPTIME Statement of 95%	in rate
2	Performance Statement PROFROMA A	
	• Undertakings	
	QUE PLANAN COMMERCIAL COMMER	

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	Importers & Mark	keteers
	LG 13-14-15, Sasco Bhawan, Azad Azadpur, Delhi-110 Phone : 011-27670082, 27671021 Visit us : www.bjmadan.com E-mail	0033 Fax: 011-27670079
January 27, 2015		संख्या / No
The Director,		तिथि / Date 29-1-15 समय / Time 2-00 विद्या / A.M
AIIMS,		NHA/Timen. A.M.
New Delhi.		अपराहन/ Р.М

SI. No	Name of the Document	Page No. (From - to)
5		40-65
5	Documents of the TENDERER being B J Madan & Co • Documents as per the CHECK LIST	
	Certificate for sole ownership/partnership	· ·
	Certificate for Acceptance of Payment Terms	
	Certificate for Acceptance of Delivery Period	
	 Certificate for Acceptance of Terms & Conditions as per TE Documets 	
	Certificate for Service Arrangements	
	Statement on CIF Price	
	 Statement on 95% uptime warranty 	
	Statement on Software Update	
	 IEC Code (Import Export Code) of B J Madan & Co 	1 1
	 TIN No & VAT Certificate of B J Madan & Co 	
	 Latest Copy of VAT Deposit Receipts enclosed 	
	 Latest Copy of VAT Return Enclosed 	
	 PAN No & ITR of the Prop of B J Madan & Co Enclosed 	
	Balance Sheets for 3 years	
	 Details of Name of beneficiary, Account No. of the beneficiary, IFCS code of the bank/branch. 	
	Product Literature	

The Technical Bid has been enclosed in Separate Envelope, called as TECHNO COMMERCIAL BID, hereafter called as PART - I.

The Price Bid has also been enclosed in Separate Envelopes, called as PRICE BID, hereafter called as PART - II

Certified that each and every page of the tender document are serially numbered, and signed by me.

For B J Madan & Co Taranjit Singh AWAN MMER COM 2LF (Proprietor)

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Marketing "The future"



PROPRIETARY STATEMENT CERTIFICATE

Tender Reference No.:	XX-236/SO(DO)/N.M./2014-15/FSC-I
Name and address of the Bidder:	B J Madan & Co
	LG 13-14-15, Sasco Bahawan
	Azadpur Commercial Complex
	Delhi 110 033
2 of otanutarouse	India
Name and address of the Manufacturer:	Optimized Radiochemical Applications
	Rue de la Gendarmerie 50B
	5600 Philippeville
Adk	Belgium
Name of the Item:	Automated Chemistry Module for Amyloid Imaging

On behalf of M/s Optimized Radiochemical Applications, I hereby do state and confirm that:

The NEPTIS® automated chemistry module is the only integrated module incorporating the patented and proprietary WNE® technology of 3-position pneumatic actuator. This technology is required as to remove all constraints of the fluid pathway as required for complex synthesis method of new generation of

The NEPTIS® automated chemistry module is the only integrated module approved by the US Food and Drug Adminstration (US-FDA), the European Medical Agency (EMA) and the Pharmaceutical Medical Devices Agency (PMDA) of Japan for the commercial manufacturing of the imaging drug AMYVID for the imaging of Amyloid plaque content (copy of PMDA certificate is enclosed as evidence).

Philippeville, 19th February 2015,

Yours sincerely,

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Vincent Tadino, Ph.D. **Chief Technical Officer**

Optimized Radiochemical Applications spri izeu Kaulochemical Applicationi 50B Rue de la Gendermerie B-5600 Philippeville BE 0 880 939 350 WWW.oradiochem.eu

आचार्य एवं सिमानार्थ्य / PPOFESSDR & HEAD नामिवनेय विकित्त राजे मी.इ.टी. विभाग DEPTT. OF NUCLEAR MEDICINE & PET अ. भा. आ. सं., नई विल्ली-110029 A.I.I.M.S., NEW DELHI-110029

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To Minister of Health, Labour and Welfare

Result of Survey for Medical Device Conformity

Classification		Radioactive Diagnostic Material Device	
Name	General	Radiopharmaceutical synthesizer	
	Brand name	Radiopaharmaceutical synthsizer NEPTIS plug-01	
Applicant		Eli Lilly Japan KK	
Shonin application date		mardi 14 mai 2013	
Application date for inspection		lundi 18 novembre 2013	
Name of premises inspected		Optimized Radiochemical Applications sprl	
Address of premises inspected		50b Rue de la Gendarmerie 5600 Philippeville BELGIUM	
Name of manufacturer		Optimized Radiochemical Applications sprl	
Address of manufacturer		50b Rue de la Gendarmerie 5600 Philippeville BELGIU	
Authorised or approved category		Pharmaceutical Affairs Law Regulations Article 36 Clause 4 Section 3	
Foreign manufacturers accreditation number and date		BG20800037 15 February 2013	
Result of inspection		The inspection was carried out in accordance with Pharmaceutical Law Article 14 Clause 6, and the PMI found nothing that should be regarded as a problem	
Remarks		Application accepted: 21 November 2013 Application number: 5122577027387	

The above is the result of our survey

lundi 19 mai 2014

Director, Pharmaceuticals and Medical Devices Agency

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डॉ. सी.एस. जॉल DI. C.S. BAL आवार्य एवं विभागाच्या PACESSOR & HEAD नामिकीय चिलिन्म एवं भी.इ.टी. विभाग DEPTT: OF NUCCEAR MEDIATION PET अ. भा. आर्- सं., नई दिल्ली 110029 A.L.L.M.S., NEW DELHI-110029

医療機器適合性調查結果通知書

類	別	機械器具(10)放射性物質診療用器具
名称	一般的名称	放射性医薬品合成設備
	販 売 名	放射性医薬品合成設備 NEPTIS plug-01
申	請者名	日本イーライリリー株式会社
承認	申請年月日 又は 承認年月日	平成25年5月14日(承認申請年月日)
適 1	合性調查申請年月日	平成25年11月18日
調査	を行った製造所の名称	Optimized Radiochemical Applications sprl
調査	を行つた製造所の所在地	50b Rue de la Gendarmerie 5600 Philippeville BELGIUM
製造は、	業者の氏名(法人にあつて 名称及び代表者の氏名)	Optimized Radiochemical Applications sprl
製造	業者の住所(法人にあつて 主たる事務所の所在地)	50b Rue de la Gendarmerie 5600 Philippeville BELGIUM
製造業者	業の許可区分 又は 外国製造 の認定区分	薬事法施行規則第36条第4項第3号
製造業者の	業の許可番号 又は 外国製造 D認定番号及び年月日	BG20800037 平成25年2月15日
周	直 府 朱	医薬品医療機器総合機構における薬事法第14条第6項の 規定に基づく基準への適合性調査の結果、特に問題としな ければならない事項はないと判断する。
開	4	申請書受理:平成25年11月21日 システム受付番号:5122577027387

上記により、医療機器の適合性調査の結果を通知します。

平成26年5月19日

独立行政法人医薬品医療機器総合機構理事

事品

ADAN &

G-13-14-15

厚生労働大臣 殿

डॉ. सी.एस. वतंग/Dr. C.% BAL आवार्य एवं विभागाव्यक/PROFESSOR HEAD नाभिकीय चिकित्सा एवं प्री.इ.स. विभाग DEPTT. OF NUCLEAR MEDICINE (PET) अ. भा. आ. सं., नई विल्ती 120029 A.I.I.M.S., NEW DELHI-110029

ALL INDIA INSTITUTE OF MEDICAL SCIENCES **ANSARI NAGAR NEW DELHI-29**

PROPRIETARY/ Specific Brand Goods Certificate

1.Item/Type/Model No. required : Automated Chemistry Module along with specifications. For Amyloid Imaging

- 2. Is the item a spare part attachment or: To be used in PET Pharmacy accessory for an existing equipment.
- 3. Name of the Manufacturers M/s Ora s.p.r.l. Belgium Supplier the item proposed by the indenter.
- 4. Are they sole manufacturers/Sole: 'Yes' distributors of the item
 - Is there any other item with similar/equivalent -Nospecification available in the market to meet the job requirement envisaged. If the answer is Yes, why the same can't be procured. Demanding Officer should bring out comparative functional advantages/cost effectiveness of the recommended item from these offered by other.
 - What were the efforts made to locate alternative: Substitute is not available source of supply or use other substitutes
- 7 Why open/limited tender can't be resorted to: This is proprietary of M/s Proprietary technology for locating M/s Ora s.p.r.l. Belgium Alternative source
- 8. Are the proprietary items certifying that the rates are reasonable or not
- 9. Any other justification for procuring Item from single source.

Male Tright Signature of Indenter **Demanding Officer**

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Head of the Dept. ROFESSOR8

Rates are reasonable.

Items are to be imported

and are not available in India

C

I certify that item at Sr.No.1 above is required to be procured on single tender basis as the source of supply is definitely known/the specified brand proposed was advantages in meeting our functional requirements and limited tender system could be dispensed with as they would serve no useful purposed in this particular case.