

APPROVED
at the Procurement Commission meeting
March 14, 2012
Minutes No. LU CFI 2012/6/ERDF_1

Open Tender of the
Institute of Solid State Physics University of Latvia

**“Equipment for Controll of Technological Processes
and Obtained Thin Films:
Lot 1: Hall Measurement System using Van Der Pauw
Method, with I-V Curve Plotting Capability and Multiple
Measurements Capabilities;
Lot 2: Non-Contact, 3D Optical Profiler;
Lot 3: Mass Spectrometer System”**

REGULATION

Procurement ID No.: LU CFI 2012/6/ERDF

Procurement will be performed within the ERDF Project
“Development of Scientific Infrastructure for the National Research
Centre of Nanostructured and Multifunctional Materials,
Constructions and Technologies”
(Project No.: 2011/0041/2DP/2.1.1.3.1/11/IPIA/VIAA/004)

Riga, 2012

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I GENERAL INFORMATION

1.1. Procurement Identification Number: **LU CFI 2012/6/ERDF**

1.2. Contracting Authority

Name	Institute of Solid State Physics University of Latvia (hereinafter - the ISSP)
Address	Kengaraga street 8, Riga, LV-1063, Latvia
VAT Reg. No.	LV90002124925
Telephone	+371 67187816
Fax	+371 67132778
e-mail	ISSP@cfi.lu.lv
Internet address	www.cfi.lu.lv
Contact person	Janis Pinnis, Secretary of the Procurement Commission
Telephone	+371 67260545
Fax	+371 67132778
e-mail	Janis.Pinnis@cfi.lu.lv
Working hours	8:30-17:00

1.3. Subject of the procurement –

Equipment for Controll of Technological Processes and Obtained Thin Films:
 Lot 1: Hall Measurement System using *Van Der Pauw* method, with I-V Curve Plotting Capability and multiple measurements capabilities; Lot 2: Non-Contact, 3D Optical Profiler; Lot 3: Mass Spectrometer System, 1 set.

CPV reference number: 38000000-5.

1.4. **The place of the Contract performance:** the premises of the ISSP, Kengaraga street 8, Riga, Latvia.

1.5. Schedule

Activity	Date	Time**
Requests for additional information regarding the Regulation shall be submitted by*	*	
Deadline for providing clarifications to the interested persons	26.04.2012.	
Deadline for the submission of bids	02.05.2012.	11:00
Meeting of Bids opening	02.05.2012.	11:00
Sending a notice of tender results	10.05.2012. (tentative)	
Entering into the Contract	22.05.2012. (tentative)	
Time of delivery as of the day entering into the Contract	Lot 1: in 1 (one) month Lot 2: in 3 (three) months Lot 3: in 5 (five) months	

* Request is deemed to be submitted if written request is received from the Tenderer (a letter, fax or e-mail). The requests for additional information in relation to the Regulation should be submitted to the Commission in due time, considering that the Commission is not entitled to furnish additional information later than 6 (six) days prior to the deadline for the submission of bids.

** Latvian time

1.6. The present method of the procurement is an open tender regulated by the Republic of Latvia Law “On Public Procurement”. The Tender is organised by the Procurement Commission (hereinafter - the Commission) of the Institute of Solid State Physics

University of Latvia (hereinafter - the ISSP), established by the Director of ISSP Order No. 5-v dd. 20.02.2012 (Paragraph 2).

II THE OFFER DOCUMENTS AND SUBMISSION AND OPENING OF OFFERS

2.1 The requirements regarding the contents of the Offer documents.

2.1.1 The Tenderer may submit an Offer for one lot or several lots. The Tenderer may submit only one Offer. The Offer shall not comprise several versions of the Technical Bid or the Financial Bid.

2.1.2 The Offer documents shall comply with the requirements included in the present Regulation and shall comprise the following:

- 1) application for participation in the present Tender to be filled in on the form enclosed as Annex 3.1 to the present Regulation;
- 2) documents certifying the qualifications of the Tenderer (see Section IV herein);
- 3) the Technical Bid, that shall be filled in on the form enclosed as Annex 1 to the present Regulation; the Technical Bid shall be signed;
- 4) the Financial Bid, that shall be filled in on the form of enclosed as Annex 4 to the present Regulation; the Financial Bid shall be signed;
- 5) a bank's letter of intent stating that the bank undertakes to issue the Advance Payment Guarantee to the Tenderer. stipulating the unconditional repay of the advance payment no later than within 10 (ten) days on the Contracting Authority's first request.

2.1.3 The application for participation in the Tender shall be signed. If the Offer documents are submitted by a group of persons, the application for participation in the Tender shall be signed by all persons of the group.

2.1.4 The Offer documents shall be signed by the signatory or the Tenderer's authorised person. Where the Offer documents are signed by an authorised person, the authorisation or a copy of the authorisation certified in accordance with the procedure stipulated by the laws and regulations shall be annexed to the Offer documents.

2.1.5 The Offer documents shall be permanently bound together in such a way that pages may not be replaced or removed; the pages shall be numbered. If the Tenderer encloses the promotional materials, brochures, catalogues, etc., which are not bound together, the Tenderer's name shall be indicated on every document enclosed thereto.

2.1.6 The Offer documents shall be drawn up in the Latvian or English language subject to the requirements of the record-keeping, in two paper copies:

- 1) an original (marked “Original”),
- 2) a copy (marked “Copy”),

The Offer shall be annexed with the Technical specification in electronic form (CD) in the format of MS Word or MS Excel. The Tenderer's name and the mark “LU CFI 2012/6/ERDF” shall be indicated on the respective CD.

2.2 The place and procedure of submitting the Offer: the Offer shall be submitted to the Secretariat of the ISSP, Room 204, 2nd floor, Kengaraga street 8, Riga, LV-1063. The Offer shall be submitted on business days from 8:30 to 17:00.

The Offer may be sent in a registered letter, by courier service or delivered in person.

Both samples of the Offer shall be submitted (sent) in one closed and sealed envelope. The following information shall be indicated on the envelope:

- 1) Institute of Solid State Physics University of Latvia, Kengaraga street 8, Riga, LV-1063, Latvia.
- 2) The Tenderer’s name and address,
- 3) The mark: “For the Tender “Equipment for Controll of Technological Processes and Obtained Thin Films” (LU CFI 2012/6/ERDF)” and the number of the offered lot.

2.3 The Offer validity term: 3 (three) months from the day of opening the Offer. The Offer shall not stipulate bid bond.

2.4 The place and date of opening the Bids: The Bids will be opened in the premises of the ISSP: in the Director’s office, 2nd floor, Kengaraga street 8, Riga, and will begin on the date and at the place stated in Item 1.5. The meeting of opening the Bids is open and all the interested persons may participate therein.

III INFORMATION ON THE SUBJECT OF THE PROCUREMENT

3.1 The subject of the procurement: Delivery of Equipment for Controll of Technological Processes and Obtained Thin Films: Lot 1: Hall Measurement System using *Van Der Pauw* method, with I-V Curve Plotting Capability and multiple measurements capabilities, 1 set; Lot 2: Non-Contact, 3D Optical Profiler, 1 set; Lot 3: Mass Spectrometer System, 1 set, in accordance with the requirements stated in the Technical Specifications (enclosed as Annex 1 hereto) and the draft Contract (enclosed as Annex 2 hereto).

3.2 Procurement will be performed within the ERDF Project “Development of Scientific Infrastructure for the National Research Centre of Nanostructured and Multifunctional Materials, Constructions and Technologies” (Project No.: 2011/0041/2DP/2.1.1.3.1/11/IPIA/VIAA/004).

IV THE REQUIREMENTS PUT TO THE TENDERERS AND THE TENDERERS’ SELECTION

4.1 The Contracting Authority shall examine Offers submitted by the Tenderers, who conform to the requirements stipulated by this Section and have been selected in accordance with the procedures indicated in the present Regulation.

4.2 Conditions for Excluding a Tenderer.

A Contracting Authority shall exclude a Tenderer from further participation in a procurement procedure and shall refuse to consider the said Tenderer’s bid if:

4.2.1 the Tenderer has not been registered in accordance with the requirements of laws and regulations;

4.2.2 pursuant to a court judgement or an injunction of a public prosecutor regarding a penalty, which has come into effect and become incontestable, the Tenderer or the Tenderer's official has been found guilty of having links to criminal offences of corruptive character, fraudulent activities in financial matters, laundering of proceeds derived from crime or implication in a criminal organisation (except as provided by Clause 1, Paragraph 4, Section 39 of the Public Procurement Law);

4.2.3 pursuant to a decision made by a competent institution or a court judgement, which has come into effect and become incontestable, the Tenderer has been found guilty of significantly violating the employment rights related to: 1) employment of one or several citizen(s) or

subject(s) other than citizens or subjects of the Member States of the European Union, where they stay illegally in the territory of the Member States of the European Union; 2) employment of one person without entering into the employment contract in writing, where such a violation is established repeatedly in the course of a year, or employment of two or several persons without entering into the employment contract in writing (except as provided by Clauses 1 and 2, Paragraph 4, Section 39 of the Public Procurement Law);

4.2.4 pursuant to a decision made by a competent institution or a court judgement, which has come into effect and become incontestable, the Tenderer has been found guilty of violating the competition rights related to the vertical agreement aimed at limiting a buyer's opportunity to fix a resale price or the horizontal cartel agreement except for the case when the respective institution, upon establishing a violation of the competition rights, has exempted the Tenderer from a penalty (except as provided by Clause 3, Paragraph 4, Section 39 of the Public Procurement Law);

4.2.5 an insolvency process of the Tenderer has been declared or the Tenderer's business activity has been suspended or terminated, a case has been brought against the Tenderer to declare it bankrupt or it is established that the Tenderer will be liquidated until the expected expiry date of the agreement performance (the Customer may decide on not excluding the Tenderer from the procurement procedure pursuant to this Paragraph in cases as provided by Paragraph 3, Section 39 of the Public Procurement Law);

4.2.6 the Tenderer has tax arrears, including compulsory social security contribution arrears (exceeding 100 lats in total in each country) in Latvia and in the country, where the Tenderer is registered (where the Tenderer is not registered in Latvia);

4.2.7 the Tenderer has provided false information with respect to its qualifications or has not submitted the required information at all;

4.2.8 as otherwise provided by the Public Procurement Law.

4.3. In order to evaluate a Tenderer in accordance with Item 4.2., the Tenderer shall submit the following information along with the Offer:

4.3.1 a copy of the Tenderer's registration certificate;

4.3.2 a statement by the Tenderer that the circumstances referred to in Paragraphs 4.2.2 – 4.2.6 of the Regulation do not apply to the Tenderer;

4.4. The Contracting Authority shall be entitled to request a Tenderer to submit the following documents within 10 (ten) business days:

4.4.1 a certificate issued by the Republic of Latvia Enterprise Register or an equivalent authority in any other country, where the Tenderer is registered no earlier than one month prior to the submission day to the effect that an insolvency process of the Tenderer has not been declared and that the Tenderer is not undergoing liquidation (in cases as provided by Paragraph 8, Section 39 of the Public Procurement Law);

4.4.2 a certificate issued by the State Revenue Service or the local government in Latvia no earlier than one month prior to the submission day to the effect that the Tenderer (regardless of whether or not the Tenderer is registered in Latvia) has no tax arrears, including social security contribution arrears, exceeding 100 lats in total in Latvia (in cases as provided by Paragraph 8, Section 39 of the Public Procurement Law);

4.4.3 a certificate issued no earlier than one month prior to the submission day to the effect that the Tenderer registered abroad has no tax arrears, including social security contribution arrears, exceeding 100 lats in total in the respective country (in cases as provided by Paragraph 8, Section 39 of the Public Procurement Law);

4.4.4 latest financial statements (including the balance sheet, profit and loss statement, cash flow statement, report on changes in equity and appendices) submitted to the State Revenue Service or an equivalent tax administration authority in any other country by the Tenderer, and the relevant auditors' opinion (if any).

4.5. Information Regarding the Economic and Financial Status of a Tenderer

4.5.1 The economic and financial status of a Tenderer shall comply with the following conditions: the annual average financial turnover of the Tenderer for the last 3 (three) years shall exceed the bid amount.

4.5.2 For the purpose of evaluating the Tenderer's economic and financial status, the Tenderer shall submit the following along with the Offer: a statement regarding the Tenderer's average annual financial turnover during the last 3 (three) years. Tenderer, whose period of operation is less than 3 (three) years, shall submit a statement regarding the Tenderer's financial turnover during the period of its operation.

4.6. Information on the Tenderer's Capabilities

4.6.1 The Tenderer's capability to delivery the research equipment shall conform to the following terms and conditions:

4.6.1.1 The Tenderer shall have the experience in the delivery of similar (in sense of contract price and/or complicity) goods (equipment); the contract sum of at least one contract shall exceed the sum offered here;

4.6.1.2 The Tenderer shall have qualified personnel to be employed in the installation of the offered equipment and warranty and post-warranty repair work;

4.6.1.3 The manufacturer of the offered equipment shall have authorised the Tenderer to deliver equipment offered by the Tenderer, install it and perform the technical tests and warranty repair.

4.6.2 For the purposes of evaluating the Tenderer's capabilities, the Tenderer shall submit the following along with the Offer:

4.6.2.1 A list of the performed 3 to 5 main contracts on the delivery of similar (in sense of contract price and/or complicity) goods (equipment) during the last 3 (three) years pursuant to Annex 3.2 to the Regulation;

4.6.2.2 At least 3 (three) customer references on the above mentioned (item 4.6.2.1) main contracts performed during the last 3 (three) years;

4.6.2.3 A list of the Tenderer's technical personnel to be employed in the installation (if applicable) of the equipment and warranty repair work pursuant to Annex 3.3 to the Regulation (a list shall be annexed with copies of documents certifying the qualifications);

4.6.2.4 The document issued by the manufacturer of the offered equipment certifying the Tenderer's rights to deliver the offered equipment in Latvia during the contract period, install it and perform the technical tests and warranty repair. Re-authorisations of the above rights shall be deemed invalid, unless they are stipulated by the manufacturer. In the above document, the manufacturer shall specify an alternative for providing a warranty (the manufacturer shall assume a warranty or ensure it through a partner), where the Tenderer fails to provide it (e.g., in case of insolvency/ bankruptcy)

4.6.2.5 Where the Tenderer involves a subcontractor, the Tenderer shall submit a documental statement about the participation of the subcontractor in the Contract, as well as shall specify the amount of work assigned to such subcontractor.

4.7. Additional Information

4.7.1 If the information submitted by the Tenderer in accordance with Items 4.3, 4.4, 4.5 and 4.6 of this Regulation, is insufficient to determine whether the conditions referred to in Item 4.2 herein, are applicable to the Tenderer, or in order to evaluate the economic and financial status and capability of the Tenderer, the Contracting Authority shall be entitled to request the Tenderer to explain the information submitted or submit additional information within the scope specified in the above referred Items.

4.7.2 In order to determine whether the cost of a Offer received is unreasonably low, the Contracting Authority can request the Tenderer, who has submitted the Offer with the lowest price, to submit a description of the specific market conditions available only to this Tenderer, that substantiates the price reduction.

4.8. Exclusion from Participation in the Procurement Process

4.8.1 If the conditions referred to in Item 4.2 herein, apply to the Tenderer or the Tenderer's economic and financial status and capabilities do not conform to the conditions of Item 4.5 and Item 4.6 herein, the Contracting Authority shall take a decision not to examine the Tenderer's Bid and to exclude the Tenderer from further participation in the procurement procedure.

4.8.2 If a Tenderer has submitted an Offer of unreasonably low cost, the Contracting Authority shall exclude the Tenderer from further participation in the procurement process.

4.8.3 If a Tenderer requests the Contracting Authority to explain the decision that has been taken in accordance with Item 4.8.1 and Item 4.8.2 herein, the Contracting Authority shall, within a period of three days from the receipt of the request, provide a written substantiation of the decision.

V EVALUATION OF THE OFFERS AND THE REQUIREMENTS SET FOR THE TENDERERS

5.1. The submitted Offers that have passed the qualification test (Tenderer's selection; Section IV) and conform to the requested technical specification (Annex 1) shall be evaluated according to the sole criterion – **the lowest price. The prices in lats (LVL), VAT excluded, will be compared.** The price set in euros, USD or GBP will be converted in lats according to the exchange rate fixed by the Bank of Latvia on the day of opening the bids.

5.2. The winner of the competition shall be acknowledged the Tenderer who has submitted the Offer with the lowest price, which is determined by taking into consideration Item 5.1 herein.

5.3. The Tenderer shall provide for the permanence of the price tendered at the Tender during the entire compliance with the Procurement Contract. The potential inflation, alteration of the market conditions or any other conditions shall not be the basis for the increase of the prices and the consequences caused by the above processes shall be projected and estimated by the Tenderer when compiling the Financial Bid.

VI RIGHTS AND OBLIGATIONS OF THE COMMISSION

6.1. The Offer shall be evaluated and the selected Tenderer shall be determined by the Commission established subject to the instructions by the Director of the Institute of Solid State Physics University of Latvia.

6.2. The Commission shall have the rights to decline a further evaluation of any Offer, if it is identified that the Offer is incompliant with any requirement stipulated by the present

Regulation or the regulatory enactments of the Republic of Latvia, or contains false information.

6.3. If the Commission shall have doubts about the authenticity of the submitted copy of the document, it shall request the Tenderer to present the original document or submit a verified copy of the document.

6.4. The Commission shall be entitled to invite specialists or experts with advisory rights for the performance of its work. An expert shall provide a written evaluation. The evaluation shall be enclosed to the Minutes of the Commission meeting. The expert’s evaluation shall not be binding on the Commission.

6.5. The Commission may make amendments to the Regulation or extend the term for submission of the Tender. Such information shall be published on the Contracting Authority’s website (www.cfi.lu.lv/iepirkumi).

6.6. If the information of the documents submitted by the Tenderer is insufficient, the Commission may request an additional information, thereby stipulating the term and place for the submission of an additional information.

6.7. If the Tenderer fails to submit the information or clarifications requested by the Commission, the Commission shall evaluate the Offer according to the documents included in the Offer.

6.8. The Commission shall reserve the rights to terminate the procedure without selecting any Offer.

6.9. After the performance of all the checks, thereby applying the criteria of the Offer evaluation and the comparison indicated in Section V, the Commission shall have the right to take one of the following decisions:

- to enter into the Procurement Contract with the Tenderer;
- to terminate the Tender without selecting any Bid;

6.10. The Commission shall publish its decision (Item 6.9) on the Contracting Authority’s website (www.cfi.lu.lv/iepirkumi) and send a written notification of its decision to all Tenderers and Procurement Monitoring Bureau within three business days.

6.11. If the Procurement Monitoring Bureau or the Contracting Authority receives no complaint from the Tenderer about the activities of the Contracting Authority with respect to the legality of the Tender within 11 (eleven) days from the day of publishing the notification about the decision-taking on the Procurement Monitoring Bureau’s website, the Contracting Authority shall enter into the Procurement Contract with the selected Tenderer.

VII RIGHTS AND OBLIGATIONS OF THE TENDERERS

7.1. The participation in the Tender shall be the Tenderer’s free will.

7.2. Submitting the Offer for participation in the Tender, the Tenderer shall accept in full and shall be prepared to comply with the requirements of the present Regulation and the regulatory enactments on the state or local government procurement.

7.3. The Tenderer shall have the rights to appeal against the decision taken by the Commission subject to the procedure stipulated by the Law “On Public Procurement”.

7.4. The Tenderer may change or withdraw the Offer after its submission on condition that the Tenderer submits a written notification about the changes (or withdrawal) until the expiry of the Offer submission term.

7.5. The Offers shall not be amended or supplemented after the expiry of the Offer submission term.

VIII CONTRACT CONDITIONS

8.1. The aim of entering into a contract shall be the stipulation of all the legal, property, financial and other relationship that may arise upon the performance of the procurement for the needs of the Contracting Authority.

8.2. The draft Procurement Contract is enclosed in Annex 2 herein.

8.3. If the most favourable Tenderer fails to conclude the Procurement Contract during 30 (thirty) days after the receiving of the invitation to conclude the Contract, the Commission can take decision to enter into the contract with the next most favourable Tenderer.

SHALL BE FILLED IN BY THE TENDERER

THE TECHNICAL SPECIFICATION AND THE SUBMISSION FORM OF THE TECHNICAL BID

**For the Procurement LUCFI 2012/6/ERDF
“Equipment for Controll of Technological Processes and Obtained Thin Films”**

(Procurement will be performed within the ERDF Project
No.: 2011/0041/2DP/2.1.1.3.1/11/IPIA/VIAA/004 “Development of Scientific Infrastructure for the National Research Centre of Nanostructured and Multifunctional Materials, Constructions and Technologies”)

**1. daļa: Holla mērišanas iekārta, izmantojot Van der Pauw metodi ar I-V līknes zīmēšanas iespēju un dažādu mērījumu iespējām,
1 komplekts**

**Lot 1: Hall Measurement System using Van Der Pauw method, with I-V Curve Plotting Capability and multiple measurements capabilities,
1 set**

N.p.k.	Contracting Authority’s requirements	Pasūtītāja prasības	Tenderer’s technical offer (The Tenderer shall provide a detailed description of the offered equipment herein)
	Hall Measurement System	Holla mērišanas iekārta	Model: Manufacturer:
1	Undefined requirements: where any technical requirement referring to the present Contract is not defined in the Technical Specifications, it shall comply with the minimum generally accepted requirements or standards.	Nenodefinētās prasības: ja tehniskajās specifikācijās kāda uz šo līgumu attiecošās tehniskā prasība nav definēta, tai ir jāatbilst minimālajām vispārpieņemtajām prasībām vai standartiem.	

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2	Technical condition of equipment to be delivered: The equipment to be delivered shall not be previously used, the used or the renovated parts shall not be built therein.	Piegādājamās iekārtas stāvoklis: līguma ietvaros piegādājamā iekārta nedrīkst būt lietota, tajā nedrīkst būt iebūvētas lietotas vai renovētas daļas.	
3	Hall Measurement System measures resistivity, carrier concentration, and mobility of semiconductors.	Holla mērīšanas iekārta mēra pusvadītāju pretestību, lādiņu nesēju koncentrāciju un kustīgumu.	
4	Current range from 1nA up to 20 mA for Resistivity measurement range from 10E-4 up to 10E7 Ohm.cm.	Strāvas diapazons no 1 nA līdz 20 mA pretestības mērījumiem apgabalā no 10^{-4} līdz $10^7 \Omega \cdot \text{cm}$.	
5	Measures bulk/sheet carrier concentration, mobility, Hall coefficient, bulk resistivity, conductivity, magnetoresistance, and alpha (Vertical/Horizontal ratio of resistance).	Tilpuma/slāņa lādiņu nesēju koncentrācijas, kustīguma, Holla koeficienta, tilpuma pretestības, vadāmības, magnetopretestības un alfa (vertik./horizont. pretestības attiecību) mērījumi.	
6	Measurement Materials: Semiconductors as Si, SiGe, SiC, GaAs, InGaAs, InP, GaN (N&P), <u>solar cell characterization in temperature.</u>	Mērāmie materiāli: pusvadītāji, kā piem., Si, SiGe, SiC, GaAs, InGaAs, InP, GaN (N&P), <u>solāro šūnu raksturojums atkarībā no temperatūras.</u>	
7	0.55T magnetic flux density (permanent magnet).	0.55 T magnētiskās plūsmas blīvums (pastāvīgais magnēts).	
8	Programmable Measurement Temperature range from 80K up to 350K.	Programmējams mērīšanas temperatūras diapazons no 80K līdz 350K.	
9	Sample Size: from 5mmx5mm up to 20mm x 20mm.	Paraugu izmēri no 5mmx5mm līdz 20mmx20mm.	
10	Includes a quick spring-Clip-Sample-holder for sample 5x5 up to 20x20mm.	Satur ātro (spring Clip) paraugu turētāju paraugiem 5x5 līdz 20x20mm.	
11	Includes a reference sample with test results performed prior to shipping.	Satur atskaites paraugu ar testa rezultātiem, kas sasniegti pirms piegādes.	
12	Compact transportable desktop design equipment with Windows Software.	Kompakts dizains (uz galda novietojama iekārta), ar Windows programmatūru.	
13	Installation	Uzstādīšana	

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14	Warranty: 2 (two) years.	Garantijas laiks: 2 (divi) gadi.	
15	Delivery time: 1 (one) month after the entering into the contract.	Piegādes laiks: 1 (viens) mēnesis pēc līguma noslēgšanas.	

Whereby we acknowledge that no circumstances exist preventing us from participation in the present Tender procedure and comply with the requirements stated in the technical specifications.

The signature of the Tenderer’s authorised person:

_____	_____	_____
/Name, surname/	/Position/	/Signature/
_____ ,	_____	
(place)	(date)	2012

2. daļa: Bezkontakta, trīs dimensiju, skenējošās baltās gaismas interferometers, 1 komplekts

Lot 2: Non-Contact, 3D Optical Profiler, 1 set

N.p.k.	Contracting Authority's requirements	Pasūtītāja prasības	Tenderer's technical offer (The Tenderer shall provide a detailed description of the offered equipment herein)
	Non-Contact, 3D Optical Profiler	Bezkontakta, trīs dimensiju, skenējošās baltās gaismas interferometers	Model: Manufacturer:
1	Undefined requirements: where any technical requirement referring to the present Contract is not defined in the Technical Specifications, it shall comply with the minimum generally accepted requirements or standards.	Nenodefinētās prasības: ja tehniskajās specifikācijās kāda uz šo līgumu attiecošās tehniskā prasība nav definēta, tai ir jāatbilst minimālajām vispārpieņemtajām prasībām vai standartiem.	
2	Technical condition of equipment to be delivered: The equipment to be delivered shall not be previously used, the used or the renovated parts shall not be built therein.	Piegādājamās iekārtas stāvoklis: līguma ietvaros piegādājamā iekārta nedrīkst būt lietota, tajā nedrīkst būt iebūvētas lietotas vai renovētas daļas.	
3	Field of View: From 0.5 to 2 mm.	Redzes laukums: 0.5 – 2 mm.	
4	Objective 5x, 10x and 50x	Objektīvi 5x, 10x un 50x	
5	Single white-light LED with uniform imaging	Baltā LED. Vienmērīgs apgaismojums	
6	Motorized turret for at least 3 objectives	Motorizēts objektīvu mainītājs priekš vismaz 3 objektīviem	
7	Motorized manual and auto focus	Motorizēts manuālais un automātiskais fokuss	
8	On-screen live display	Reāla laika attēls	
9	Motorized 150 mm x/y travel; Manual ±6° tip/tilt	Motorizēta x/y skenēšana – vismaz 150 mm; Manuāls ±6° tip/tilt	
10	Scanning and processing software	Skenēšanas un apstrādes programma	
11	Vertical Scan Range: 0.1nm – at least 150µm	Vertikālās skenēšanas robežas : 0.1nm – vismaz 150 µm	

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12	Optical resolution: $\leq 4 \mu\text{m}$	Optiskā izšķiršanas spēja: $\leq 4 \mu\text{m}$	
13	x/y scan rate $\sim 26 \mu\text{m}/\text{sek}$	x/y skenēšanas ātrums $\sim 26 \mu\text{m} / \text{s}$	
14	Vibration isolation table for optical profiler to protect from floor vibration.	Vibrāciju izolējošs galds, kura izmēri ir piemēroti profilometram un kurš aizsargātu no grīdas vibrācijām.	
15	Installation.	Uzstādīšana.	
16	On-site basic training.	Pamatapmācība pie pasūtītāja.	
17	Warranty: 2 (two) years.	Garantijas laiks: 2 (divi) gadi.	
18	Delivery time: 3 (three) months after the entering into the contract.	Piegādes laiks: 3 (trīs) mēneši pēc līguma noslēgšanas.	

Whereby we acknowledge that no circumstances exist preventing us from participation in the present Tender procedure and comply with the requirements stated in the technical specifications.

The signature of the Tenderer's authorised person:

_____ /Name, surname/ _____ /Position/ _____ /Signature/
 _____ , _____ 2012
 (place) (date)

3. dala: Masspektrometra sistēma, 1 komplekts

Lot 3: Mass Spectrometer System, 1 set

No.	Contracting Authority's requirements		Pasūtītāja prasības		Tenderer's technical offer (The Tenderer shall provide a detailed description of the offered equipment herein)
1.	General requirements		Vispārīgās prasības		
1.1	Undefined requirements	Where any technical requirement referring to the present Contract is not defined in the Technical Specifications, it shall comply with the minimum generally accepted requirements or standards.	Nenodefinētās prasības	Ja tehniskajās specifikācijās kāda uz šo līgumu attiecošās tehniskā prasība nav definēta, tai ir jāatbilst minimālajām vispārpieņemtajām prasībām vai standartiem.	
1.2	Technical condition of equipment to be delivered	The equipment to be delivered shall not be previously used, the used or the renovated parts shall not be built therein.	Piegādājamas iekārtas stāvoklis	Līguma ietvaros piegādājamā iekārta nedrīkst būt lietota, tajā nedrīkst būt iebūvētas lietotas vai renovētas daļas.	
2.	General description (specification) of the mass spectrometer system		Masspektrometra sistēmas specifikācija		

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2.1	Purpose of the system	<p>The system will be used for the basic mass-spectrometric analysis of gases/vapours at pressures between 0 and atmospheric pressure.</p> <p>It is intended for use in the following applications:</p> <p>Diagnosics of residual gases/vapours in vacuum systems, Monitoring of atmosphere in vacuum-related sputtering and deposition processes, Leak detection by detection of tracer gases (for example, He leak detection), Thermal desorption analysis, Quantitative analysis of compounds.</p>	Sistēmas pielietojuma mērķis	<p>Sistēma tiks izmantota gāzu un tvaiku pamata līmeņa masspektroskopiskai analīzei spiedienu diapzonā no nulles līdz atmosfēras spiedienam.</p> <p>Paredzēti sekojoši sistēmas pielietojumi:</p> <p>Atlikumgāzu un tvaiku analīze vakuuma sistēmās, Atmosfēras kontrole vakuumizputināšanas un vakuuma-izsēdināšanas procesos, Vakuuma teču meklēšana, izmantojot indikatorgāzes, piemēram, hēlija teču meklēšana, Termiskās desorbcijas analīze, Vielu kvantitatīva sastāva analīze.</p>	
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2.2	Basic properties of the system	<p>The system is intended for use in versatile and changing environment, involving frequent change of tasks and relocation. Therefore, it must be:</p> <p>a) Versatile and modular - allowing to make adjustments/ reconfiguration in order to attach it to various vacuum chambers and adapt to different pressure values of the analysed medium. To achieve this, standard vacuum connections using DN KF/NW standard vacuum flanges must be used between the system components;</p> <p>b) Portable - the total weight of the system, including vacuum-pumping station must be less or equal to 60 kg. Within this weight limit, the mass-spectrometric detector ("head") mounted together with vacuum manifold and vacuum valves for attaching differential pumping and vacuum-meter units (see section 2.5 below), should have a total weight not exceeding 30 kg;</p> <p>c) Rugged - the system must be rugged enough to survive multiple relocations and adjustments, applied with due reasonable care.</p>	Sistēmu raksturojošās pamata īpašības	<p>Sistēmu paredzēts izmantot dažādos un bieži maināmos apstākļos, kas ietver biežu uzdevumu maiņu un pārvietošanu jaunā vietā. Tāpēc sistēmai jābūt:</p> <p>a) daudzpusīgi pielietojamai un modulāri uzbūvētai - kas atļautu sistēmas piemērošanu/rekonfigurāciju ar mērķi to pievienot dažādiem mērāmajiem tilpumiem un piemēroties dažādiem mērāmās vides spiedieniem. Šī mērķa sasniegšanai, sistēmas komponentes jāsavieno ar DN KF/NW standarta tipa vakuuma savienojumiem.</p> <p>b) portatīvai- sistēmas kopīgais svars, ieskaitot vakuuma pumpēšanas staciju, nedrīkst pārsniegt 60 kg. Šī svara robežās, masspektrometra galva (detektors) un tai pievienotais vakuuma interfeisa modulis ar vakuuma krānu vakuuma pumpja un vakuometra pievienošanai kopā nedrīkst svērt vairāk kā 30 kg.</p> <p>c) robustai - sistēmai jābūt pietiekoši noturīgai, lai tā, saprātīgi rūpīgas apiešanās gadījumā bez bojājumiem varētu tikt daudzkārtīgi pārvietota un rekonfigurēta.</p>	
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2.3	Main components of the system (outline)	<p>The main components of the system are the following:</p> <p>a) mass-spectrometer detector unit ("head"), performing actual measurements and interfaced to computer,</p> <p>b) vacuum interface unit featuring a stainless steel vacuum cross having 4 vacuum ports with the following items attached to them by means of standardized vacuum DN KF/NW connections:</p> <ol style="list-style-type: none"> 1) mass-spectrometer head (see section 2.4 below), 2) the vacuum-meter, 3) the turbomolecular vacuum pumping station (attached via high-vacuum valve and stainless steel flexible bellows tube) 4) the chamber with the analysed gas (end-user provided) 	Galveno sistēmas komponentu vispārīgs raksturojums	<p>Sistēma ietver sekojošas galvenās komponentes:</p> <p>a) masspektrometra detektora bloks ("galva"), kurš mēra masu spektrus un ir sajūgts ar datoru,</p> <p>b) vakuuma interfeisa modulis, sastāvošs no nerūsējošā tērauda vakuuma krusteņa ar 4 vakuuma portiem, pie kuriem ar standarta DNKF/NW savienojumiem pievienotas sekojošas lietas:</p> <ol style="list-style-type: none"> 1) mass-spektrometra galva (skat. p. 2.4 zemāk) 2) vakuummētra sensors 3) turbomolekulārā vakuumsūkņa stacija, pievienota caur nerūsējošā tērauda lokanu gofrētu cauruli un augstvakuumu krānu 4) tilpums ar analizējamo gāzi (to nodrošina gala lietotājs) 	
2.4		Mass-spectrometer detector unit ("head")		Masspektrometra detektora bloks ("galva")	Model: Manufacturer:
2.4.1	Spectral range of registered ion masses	The range of the registered ion masses (at +1e charge): the lower range - 1 atomic mass unit, the upper range- 250 to 300 atomic mass units.	Reģistrējamo jonu masu spektrālais diapazons	Reģistrējamo jonu vai molekulāro jonu masu diapazons (pie jonu lādiņa +1e): apakšējā robeža: 1 atommasas vienība, augšējā robeža: no 250 līdz 300 atommasas vienības.	
2.4.2	Spectral resolution	Spectral width of line in the mass spectrum, measured between the two points each at 5% line amplitude height: not larger than 2.5 atomic mass units.	Spektrālā izšķiršanas spēja	Masu spektra spektrālās līnijas platums starp punktiem, kas atrodas 5% amplitūdas augstumā: ne lielāks par 2.5 atomu masas vienībām	

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2.4.3	Acquisition speed	The maximum scanning speed of ion masses should be larger or equal to 50 atomic mass units per second. Higher scanning speeds or multichannel (simultaneous) registration of all ionic masses will be viewed as an advantage.	Viena spektra skenēšanas ātrums	Jonu masu spektra lielākais skenēšanas ātrums - ne mazāks par 50 atommasas vienību sekundē, vai arī alternatīvi - daudzkanālu (vienlaicīga) masu spektra reģistrācija, kas tiktu uzskatīta par priekšrocību.	
2.4.4	Ion detector(s)	Faraday cup ion detector with the upper operating pressure limit of $\geq 1 \times 10^{-4}$ mbar in combination with secondary electron multiplier for higher sensitivity at high vacuum conditions (upper operating pressure limit $\geq 1 \times 10^{-5}$ mbar). Any other designs, which provide equivalent or better sensitivity and ruggedness, are acceptable too.	Jonu detektors (detektori)	Faradeja kausa jonu detektors ar augšējo darba spiedienu robežu $\geq 1 \times 10^{-4}$ mbar, vai tā kombinācija ar sekundāro elektronu pavairotāju (augšējā darba spiediena robeža $\geq 1 \times 10^{-5}$ mbar) jūtības paaugstināšanai augsta vakuuma apstākļos. Abu detektoru kombinācija tiks uzskatīta par priekšrocību.	
2.4.5	Detection limit	Minimum detectable pressure (Ar gas): 5×10^{-11} mbar (Faraday cup or any other detector operable at pressures up to 1×10^{-4} mbar) and 5×10^{-14} mbar (Electron multiplier or any other detector operable at pressures up to 1×10^{-5} mbar).	Masu detektēšanas jūtīguma robeža	Mazākais detektējams Ar gāzes spiediens: 5×10^{-11} mbar (Faradeja kausiņš vai jebkurš cits detektors, kas var strādāt pie spiedieniem līdz pat 1×10^{-4} mbar) un 5×10^{-14} mbar (strādājot ar elektronu pavairotāju, vai jebkuru citu detektoru, kas var strādāt līdz augšējam darba spiedienam 1×10^{-5} mbar).	
2.4.6	Data acquisition system	Computerized data acquisition and detector control system via Ethernet or USB port, by user's portable computer with Windows or Linux operation systems.	Datu iegūšanas sistēma	Datorizēta datu nolasīšana un iekārtas vadība caur Ethernet, USB portu, izmantojot lietotāja piezīmjdatoru, kas darbojas Windows vai Linux operētājsistēmā.	

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2.4.7	Data acquisition software	Software with graphical user interface, providing instrument control and data acquisition and analysis in the form of mass spectra and in the form of time dependences of several selected mass intervals.	Datu iegūšanas programm-aprīkojums	Programmaprīkojums ar grafisko lietotāja saskarni, kuram jānodrošina instrumenta vadība un datu nolasīšana, analīze un attēlošana masu spektra veidā, kā arī atsevišķu lietotāja izvēlētu masu spektra segmentu signāla intensitātes laika atkarību mērīšana.	
2.5		Vacuum interface and differential pumping unit		Vakuuma interfeisa un diferenciālās pumpēšanas mezgls	
2.5.1	Purpose and general description of the vacuum interface unit	Vacuum interface and differential pumping unit is used to provide operational vacuum to mass-spectrometer head (section 2.4 above) in the cases when the gas pressure in the measured chamber is higher than the upper permissible operational limit of the ion detector. This is achieved through pumping of the mass-spectrometer and throttling of the input gas flow. The necessary throttling arrangement will be provided by the customer, using needle valve (point 2.5.5 below) or other devices. For cases when the pressure of the measured gas is much lower ("high vacuum" conditions), the interface/pumping unit will be detached from the detector (mass-spectrometer head unit) and the latter will be attached directly to the measured chamber.	Vakuuma interfeisa mezgla mērķis un vispārējs raksturojums	Vakuuma interfeisa un diferenciālās pumpēšanas mezgla mērķis ir nodrošināt optimālu darba vakuumu masspektrometra galvai (p.2.4 augstāk) gadījumos, kad gāzes spiediens mērāmajā tilpumā ir augstāks par jonu detektoram maksimāli pieļaujamo. To sasniedz, pumpējot vakuumu masspektrometrā un ierobežojot analizējamās gāzes pieplūdi masspektrometrā. Gāzes pieplūdes ierobežošanas ierīci veidos gala lietotājs, izmantojot piegādāto adatventili (p.2.5.5 te zemāk). Gadījumos, kad mērāmās gāzes spiediens ir daudz zemāks (augstvakuumā apstākļos), vakuuma interfeisa mezgls tiks atvienots no masspektrometra, un pēdējais tiks tiešā veidā pievienots mērāmajam tilpumam.	

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2.5.2	Vacuum pump unit, high vacuum valve and connecting elements	Oil-less vacuum pumping station based on turbomolecular pump and oil-less backing pump, final pressure $\leq 5 \times 10^{-7}$ mbar, connected to the system through stainless steel bellows with DN KF40 flanges, length 0.8 to 1m, and through high vacuum, bellow-sealed stainless steel vacuum valve with DN KF40 flanges	Vakuumsūkņu mezgls, augstvakuum krāns un savienojošie elementi	Bezeļlas vakuumsūkņu stacija, kas ietver turbomolekulāro pumpi un bezeļlas rupjā vakuuma pumpi, sasniedzamais zemākais spiediens $\leq 5 \times 10^{-7}$ mbar, pievienota pie sistēmas, izmantojot nerūsējošā tērauda lokano gofrēto cauruli (0.8 līdz 1 m garumā, ar DN KF40 vakuumflančiem) un nerūsējošā tērauda augstvakuum krānu ar DN KF40 vakuumflančiem, kura kustīgo elementu vakuumblīvējums izpildīts ar nerūsējošā tērauda plēšveida elementa palīdzību.	Model: Manufacturer:
2.5.3	Vacuum meter	Vacuum sensor head for pressure range 10^{-8} to 1000mbar with DN KF40 flange and controller. The controller may be integrated (built-in) into the mass spectrometer head or into the vacuum pumping station.	Vakuummeters	Vakuuma sensora galva, izmantojama spiedienu apgabalā ne šaurākā kā no 1000 mbar līdz 10^{-8} mbar, apgādāta ar DN KF40 vakuuma flanci un ar elektronisku kontroles bloku. Kontroles bloks var būt integrēts (iebūvēts) masspektrometra galvā vai vakuumsūkņu stacijā.	Model: Manufacturer:
2.5.4	Vacuum flanges and connecting components	4-way stainless steel cross with 4 DN KF 40 ports, which connects (a)the mass-spectrometer head, (b)vacuum-meter, (c)pumping station and provides input for the analysed gas, a suitable adapter/extender flange to connect the mass-spectrometer head (typically CF standard flange) to DN KF 40 flange, Viton O-rings and clamps necessary to assemble all components.	Vakuuma flanči un savienojošās komponentes	4-virzienu nerūsējoša tērauda krustsavienojums ar 4 DN KF40 portiem, kam pievienoti: (a) masspektrometra galva, (b) vakuummotra galva, (c) vakuumsūkņu stacija. Adapters, kas nodrošina masspektrometra galvas (parasti ar CF standarta flančiem) pievienošanu DN KF40 flancim. Viton tipa vakuumblīves, gredzeni un saspiedēji visu komponentu savienošanai.	

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2.5.5	Vacuum leak valve	A needle valve for controlled introduction of small gas flows in vacuum systems, for pressures $\leq 5 \times 10^{-5}$ mbar (similar to Edwards LV10K or better) equipped with DN KF type standard flanges.	Vakuuma noplūdes vārsts	Adatvārsts kontrolētu nelielu gāzu plūsmu ievadei vakuumsistēmā spiedieniem vakuuma pusē $\leq 5 \times 10^{-5}$ mbar (pēc parametriem līdzīgs Edwards LV10K vai labāks), apgādāts ar DN KF tipa vakuumflančiem.	
3.		Warranty		Garantija	
3.1	Warranty	2 (two) years.	Garantija	2 (divi) gadi.	
4.		Delivery		Piegāde	
4.1	Delivery costs	Delivery costs should be included in the offer of the spectrometer.	Piegādes izmaksas	Piegādes izmaksām jābūt iekļautām piedāvātajā sistēmas cenā	
4.2	Delivery time	5 (five) months after the entering into the contract.	Piegādes laiks	5 (pieci) mēneši pēc līguma noslēgšanas.	

Whereby we acknowledge that no circumstances exist preventing us from participation in the present Tender procedure and comply with the requirements stated in the technical specifications.

The signature of the Tenderer's authorised person:

_____ /Name, surname/ _____ /Position/ _____ /Signature/
 _____ , _____ 2012
 (place) (date)

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<p>Pielikums Nr.2</p> <p>atklāta konkursa „Iekārtu komplekts tehnoloģisko procesu un iegūto plāno kārtiņu kontrolei” nolikumam</p> <p>Iepirkums Nr.: LU CFI 2012/6/ERAF</p>	<p>ANNEX 2</p> <p>to the Regulation of the Open Tender “Equipment for Controll of Technological Processes und Obtained Thin Films”</p> <p>Procurement No.: LU CFI 2012/6/ERDF</p>
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LĪGUMS (projekts)	CONTRACT (draft)
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<p>Rīgā, 2012. gada ____.</p> <p>LU Cietvielu fizikas institūta līgumu uzskaites Nr. 2012/6/ERAF</p>	<p>Rīga, _____ 2012.</p> <p>Institute of Solid State Physics University of Latvia Contract registration No. 2012/6/ERDF</p>
<p>Latvijas Universitātes aģentūra – Latvijas Universitātes Cietvielu fizikas institūts (turpmāk tekstā – LU CFI), turpmāk tekstā – Pircējs, tā direktora Andra Šternberga personā, kas rīkojas saskaņā ar LU CFI nolikumu, no vienas puses,</p> <p>un _____, turpmāk tekstā – Pārdevējs, tās _____ personā, kas rīkojas saskaņā ar tās statūtiem, no otras puses,</p> <p>abi kopā turpmāk tekstā – Puses un katrs atsevišķi turpmāk tekstā arī Puse,</p> <p>pamatojoties uz Pārdevēja piedāvājumu un Pircēja iepirkumu komisijas lēmumu par atklāta konkursa LU CFI 2012/6/ERAF „Iekārtu komplekts tehnoloģisko procesu un iegūto plāno kārtiņu kontrolei” ____ . daļas rezultātiem,</p> <p>ERAF līdzfinansēta projekta „Nanostrukturēto un daudzfunkcionālo materiālu, konstrukciju un tehnoloģiju Valsts nozīmes pētniecības centra zinātniskās infrastruktūras attīstīšana” (projekta Nr. 2011/0041/2DP/2.1.1.3.1/11/IPIA/VIAA/004) izpildei</p> <p>noslēdz šādu līgumu, turpmāk tekstā saukts Līgums:</p>	<p>Institute of Solid State Physics University of Latvia (hereinafter – the ISSP), hereinafter – the Purchaser, in the person of Mr. Andris Sternbergs, its Director, acting pursuant to the Regulation of the ISSP on the one side,</p> <p>and _____, hereinafter – the Seller, in the person of _____, its _____, acting pursuant to the Articles of Association, on the other side,</p> <p>both hereinafter referred to as the Parties; each separately hereinafter referred to as the Party,</p> <p>on the basis of the Seller’s offer and decision by the Procurement Commission of the Purchaser on the Lot ____ of the Open Tender “Equipment for Controll of Technological Processes und Obtained Thin Films” (LU CFI 2012/6/ERDF)</p> <p>for fulfilment of the ERDF Project No.: 2011/0041/2DP/2.1.1.3.1/11/IPIA/VIAA/004 “Development of Scientific Infrastructure for the National Research Centre of Nanostructured and Multifunctional Materials, Constructions and Technologies”</p> <p>shall conclude the following contract, hereinafter – the Contract:</p>
<p>1. LĪGUMA PRIEKŠMETS</p>	<p>1. SUBJECT OF THE CONTRACT</p>
<p>1.1. Pārdevējs pārdod, bet Pircējs pērk <iepirkuma daļas nosaukums>, kura tehniskā specifikācija norādīta šā līguma pielikumā Nr.1. (turpmāk tekstā - Prece).</p>	<p>1.1. The Seller shall sell and the Purchaser shall buy <Name of the Lot of Procurement>, the technical specification of which has been indicated in Annex 1 herein (hereinafter - the Goods).</p>

<p>1.2. Līguma summa, ieskaitot visus ar līguma izpildi saistītos izdevumus un nodokļus ir Ls _____ (_____), turpmāk šā līguma tekstā saukta Līgumcena.</p>	<p>1.2. The Contract price is _____ (_____), including all the expenses, taxes and duties related to the performance with the Contract.</p>
<p>2. PIEGĀDES IZPILDES - PIENĒMŠANAS NOSACĪJUMI UN APMĀKSAS KĀRTĪBA</p>	<p>2. CONDITIONS OF THE PERFORMANCE AND APPROVAL OF THE DELIVERY AND THE PROCEDURE OF PAYMENT</p>
<p>2.1. Prece Pircējam tiek piegādāta Ķengaraga ielā 8, Rīgā, Latvijā, LU Cietvielu fizikas institūta telpās.</p>	<p>2.1. The Goods shall be delivered to the Purchaser at the address: Kengaraga street 8, Riga, Latvia, the premises of the ISSP.</p>
<p>2.2. Saskaņā ar Līgumu piegādājamā Prece tiek nodota Pircējam pieņemšanas – nodošanas akta abpusējas parakstīšanas dienā, ne vēlāk kā 201__gada __.____.</p>	<p>2.2. Pursuant to the Contract, the Goods to be delivered are deemed to be delivered to the Purchaser on the day of the mutual signing of the Deed of Transfer, no later than on 201__.</p>
<p>2.3. Pircējs veic avansa maksājumu Ls _____ (_____) jeb 50% apmērā no Līgumcenas 30 (trīsdesmit) dienu laikā pēc Līguma abpusējas parakstīšanas un bankas avansa garantijas un avansa rēķina saņemšanas.</p> <p>Atlikušo Līguma summas daļu Ls _____ (_____) jeb 50% no līgumcenas Pircējs apmaksā 30 (trīsdesmit) dienu laikā skaitot no abpusēji parakstīta pieņemšanas – nodošanas akta parakstīšanas un rēķina saņemšanas dienas.</p>	<p>2.3. The Purchaser shall make a prepayment in the amount of LVL _____ (_____) or 50% of the Contract price within 30 (thirty) days from mutual signing of the Contract and receiving the advance payment invoice.</p> <p>The remaining part of the Contract price LVL _____ (_____) or 50% of the Contract price shall be paid by the Purchaser within 30 (thirty) days from the day of the mutual signing of the Deed of Transfer and receipt of the invoice.</p>
<p>3. LĪGUMSLĒDZĒJU PUŠU ATBILDĪBA</p>	<p>3. LIABILITY OF THE CONTRACTING PARTIES</p>
<p>3.1. Līdz piegādātās Preces pilnas apmaksas izdarīšanai, piegādātā Prece ir Pārdevēja īpašums.</p> <p>Preces nejaušas bojāejas (bojājuma) risku sākot ar brīdi, kad Prece ir nogādāta Pircēja telpās, uzņemas Pircējs.</p> <p>Īpašumtiesības uz piegādāto Preci pāriet Pircējam ar brīdi, kad Pircēja banka ir akceptējusi maksājuma uzdevumu par piegādājamās Preces apmaksu.</p>	<p>3.1. The delivered Goods shall be the property of the Seller until making full payment for the delivered Goods.</p> <p>The risk for an unintentional destruction (damage) of the Goods shall be assumed by the Purchaser from the moment of delivery of the Goods to the premises of the Purchaser.</p> <p>The ownership rights to the Goods shall be transferred to Purchaser from the moment the Purchaser's bank has approved the payment order on the payment for the delivered Goods.</p>
<p>3.2. Par apmaksas termiņa neievērošanu Pircējs, pēc Pārdevēja pirmā pieprasījuma, maksā Pārdevējam līgumsodu 0,1% (procenta vienas desmitdaļas) apmērā no nokavētā maksājuma summas par katru nokavēto dienu, bet ne vairāk kā 10% (desmit procentus) no nokavētā maksājuma summas. Nokavējuma procentu samaksa neatbrīvo no Līguma saistību izpildes.</p>	<p>3.2. For the failure to comply with the payment term the Purchaser, upon the first request by the Seller, shall pay the contractual penalty to the Seller in the amount of 0.1% (one-tenths of one percent) from the sum of the delayed payment for each delayed day, but no more than 10% (ten percent) of the delayed payment. The payment of the contractual penalty shall not free from the compliance with the Contract commitments.</p>

<p>3.3. Par Preces piegādes kavējumu Pārdevējs, pēc Pircēja pirmā pieprasījuma, maksā Pircējam līgumsodu 0,1% (procenta vienas desmitdaļas) apmērā no līgumsummas par katru nokavēto dienu, bet ne vairāk kā 10% (desmit procentus) no Līguma summas.</p> <p>Līgumsoda samaksa neatbrīvo no Līguma saistību izpildes.</p>	<p>3.3. For the delay of the delivery of the Goods the Seller, upon the first request by the Purchaser, shall pay the contractual penalty to the Purchaser in the amount of 0.1% (one-tenths of one percent) from the Contract price for each delayed day, but no more than 10% of the Contract price.</p> <p>The payment of the contractual penalty shall not free from the compliance with the Contract obligations.</p>
<p>3.4. Katra līgumslēdzēja Puse atbild par Līguma neizpildi vai nepienācīgu izpildi, ja tās vainas dēļ nodarīts kaitējums otrai līgumslēdzēja Pusei.</p>	<p>3.4. Every Contracting Party shall be liable for the failure to comply with the Contract or for inadequate compliance, if the detriment is thus caused to the other Contracting Party.</p>
<p>3.5. Neviena no šā noslēgtā Līguma Pusēm nav tiesīga nodot savas tiesības, kas saistītas ar šo Līgumu trešajām personām bez otras Puses piekrišanas. Puses ir tiesīgas rīkoties caur saviem pārstāvjiem.</p>	<p>3.5. None of the Parties to the concluded present Contract shall be entitled to transfer its rights, related to the present Contract, to the third parties without the other Party's consent. The Parties shall be entitled to act through their representatives.</p>

<p>3.6. Pārdevējs atbild par Pircējam piegādātās Preces kvalitāti, kādu noteicis attiecīgo preču ražotājs saskaņā ar Pārdevēja izsniegto garantijas sertifikātu. Preces garantijas remonts ir jāveic atbilstoši vispārpieņemtajai praksei šādām Precēm.</p> <p>Preces bojājumus Pircējs piesaka rakstiski pa faksu _____ vai ziņojot uz e-pasta adresi _____. Paraleli informācijas nodošanai var izmantot tālr. _____.</p> <p>Pārdevējs rakstiski pa faksu _____ vai e-pastu _____ apstiprina pieteikuma par Preces bojājumu saņemšanu.</p> <p>Pārdevēja reakcijas laiks (laiks no Preces bojājuma pieteikšanas līdz Pārdevēja speciālista ierašanās pie Pircēja brīdīm) ir ne vairāk kā 5 (piecas) darba dienas. Pretējā gadījumā Pārdevējs, pēc Pircēja pirmā pieprasījuma, maksā Pircējam sodu par līguma saistību nepildīšanu Ls 50 (piecdesmit latu) par katru reakcijas kavējuma darba dienu.</p> <p>Pārdevējam ir pienākums novērst pieteiktos defektus nekavējoties un ne ilgāk kā 3 (trīs) nedēļu laikā. Ja bojājums nav novērsts norādītajā termiņā, tad par katru kavēto dienu Pasūtītājs var pieprasīt Piegādātājam maksāt sodu 50 Ls (piecdesmit latu) apmērā par katru kavējuma dienu. Par aprēķinātu sodu piestāda rēķinu reizi mēnesī.</p> <p>Ja bojājumu neizdodas novērst 2 (divu) mēnešu laikā, tad nākamo 2 (divu) mēnešu laikā Pārdevējs piegādā jaunu ekvivalentu iekārtu. Ja 2 (divos) mēnešos nav piegādāta aizvietojošā iekārta, tad nākamā 1 (viena) mēneša laikā Pārdevējs atgriež Pircējam summu iekārtas iegādes vērtībā.</p>	<p>3.6. The Seller shall be liable to the Purchaser for the quality of the delivered Goods, stated by the manufacturer of the respective Goods subject to the warranty certificate issued by the Seller. The warranty repair of the Goods shall be made subject to the common practice for the respective Goods.</p> <p>The Purchaser shall notify of the damaged Goods in writing by fax _____ or by sending an e-mail message to the address: _____. Information may at the same time be provided by telephone _____.</p> <p>The Seller shall confirm the receipt of the the notification of the damaged Goods in writing by fax or e-mail.</p> <p>The Seller's reaction (the time from the notification of the damaged Goods until the arrival of the Seller's expert at the Purchaser's location) shall not exceed 5 (five) business days. Failing to do so, the Seller shall pay the Purchaser, upon the Purchaser's first request, the penalty for the failure to comply with the Contract obligations in the amount of LVL 50 (fifty lats) for each business day of the above delayed reaction.</p> <p>The Seller shall have an obligation to perform the repair work of the notified defects as soon as possible and no later than in 3 (three) weeks time. If such defect has not been repaired until specified time, the Seller shall pay the Purchaser, upon the Purchaser's first request, the penalty in the amount of LVL 50 (fifty lats) for each delayed day. The invoice for the calculated penalty shall be issued once a month.</p> <p>If it is not possible to perform the repair work in 2 (two) months time, the Seller shall deliver a new equivalent equipment in 2 (two) months time. If the replacement equipment has not been delivered in 2 (two) months time, the Seller shall return the Purchaser the sum equal to the equipment purchase amount in 1 (one) month time.</p>
<p>3.7. Garantijas apkalpošanas perioda laikā notikuša bojājuma gadījumā Pārdevējs uz sava rēķina, nepazeminot Preces kvalitāti, veic bojātās daļas nomaiņu vai remontu. Garantijas saistības ir spēkā pie nosacījuma, ka nav iestājušies garantijas sertifikātā norādītie apstākļi, kas pārtrauc garantijas saistības.</p>	<p>3.7. In the event of a damage occurring during the warranty maintenance period, the Seller shall replace the faulty part or make the repair at his/her expense, without diminishing the quality of the Goods. The warranty commitments are valid on the condition that the circumstances stated in the warranty certificate and terminating the warranty commitments, have not set in.</p>

<p>3.8. Precei tiek noteikts garantijas laiks: 2 (divi) gadi no Preces piegādes brīža.</p>	<p>3.8. The following warranty period shall be stipulated for the Goods: 2 (two) years from the performance of the delivery.</p>
<p>3.9. Visos dokumentos, kas saistīti ar šo Līgumu Pārdevējs obligāti norāda visus nepieciešamos rekvizītus un datus, tajā skaitā ERAF projekta nosaukumu un numuru (Projekts Nr.: 2011/0041/2DP/2.1.1.3.1/11/IPIA/VIAA/004 „Nanostrukturēto un daudzfunkcionālo materiālu, konstrukciju un tehnoloģiju Valsts nozīmes pētniecības centra zinātniskās infrastruktūras attīstīšana”) un iepirkuma identifikācijas numuru (LU CFI 2012/6/ERAF).</p>	<p>3.9. The Contractor on a mandatory basis shall indicate all the necessary banking data and information including the name and the number of ERDF project (Project No.: 2011/0041/2DP/2.1.1.3.1/11/ IPIA/VIAA/004 “Delivery of FTIR Spectrometry System with Microscope and Closed Cycle Helium Cryostat”) and the procurement identification number (LUCFI 2012/6/ERDF) in all the documents regarding the present Contract.</p>
<p>3.10. Līguma 3.9.p. prasību neievērošanas gadījumā, Pircējs patur tiesības neapmaksāt rēķinus līdz minēto prasību izpildei.</p>	<p>3.10. In the event of non-compliance with the requirements of Item 3.9 of the Contract, the Purchaser shall reserve the rights to make no payment of the invoices until the compliance with the stated requirements.</p>
<p>4. NEPĀRVARAMA VARA</p>	<p>4. FORCE MAJEURE</p>
<p>4.1. Gadījumā, kad rodas nepārvaramas varas apstākļi, tādi kā dabas katastrofas, karš, jebkuras militāras akcijas, valsts pārvaldes institūciju rīkojumi, lēmumi vai aizliegumi un citi ārkārtēji apstākļi, kurus Puses nevarēja paredzēt un novērst ar saviem līdzekļiem, līgumsaistību izpildes laiks pagarinās par periodu, kurā pastāv nepārvaramas varas radītie apstākļi. Ja nepārvaramas varas apstākļi pastāv ilgāk kā 3 (trīs) mēnešus, Līguma darbība tiek izbeigta un Puses veic savstarpējo norēķinu atbilstoši faktiski piegādātajai Precei.</p>	<p>4.1. In the cases of the force majeure circumstances, such as the natural hazards, war, any military actions, orders by the state administration institutions, decisions or prohibitions and other extraordinary circumstances, which the Parties could not envisage and prevent with their own resources, the time period of compliance with the Contract obligations shall be extended by the period of the existence of the circumstances caused by the force majeure. If the force majeure circumstances exist for more than 3 (three) months, the Contract shall be terminated and the Parties shall make mutual settlement subject to the actually delivered Goods.</p>
<p>5. CITI NOTEIKUMI</p>	<p>5. OTHER CONDITIONS</p>
<p>5.1. Līgums stājas spēkā ar tā parakstīšanas brīdi un darbojas līdz pilnīgai abpusējai Līguma saistību izpildei. Līgums atspoguļo Pušu vienošanos attiecībā uz Līguma priekšmetu, apmaksas, piegādes u.c. nosacījumiem un atceļ visas iepriekšējās sarakstes un mutiskas vienošanās, kas pastāvējušas starp Pusēm līdz Līguma parakstīšanai.</p>	<p>5.1. The Contract shall take effect from the moment of signing and shall be valid until full mutual compliance with the Contract obligations. The Contract shall reveal the agreement of the Parties with respect to the subject of the Contract, conditions of the payment, delivery and other provisions, and shall revoke all the preceding written communication and oral arrangements existing among the Parties until the signing of the Contract.</p>

<p>5.2. Pārdevējs, slēdzot Līgumu, iesniedz Pircējam bankas izsniegtu avansa maksājuma garantiju 50% apmērā no Līgumcenas (ietverot PVN, ja piemērojams) ar derīguma termiņu līdz laikam, kad tiek parakstīts Līguma pieņemšanas – nodošanas akts.</p> <p>Pircējs atgriež avansa maksājuma garantiju Pārdevējam 2 (divu) nedēļu laikā pēc Līguma pieņemšanas – nodošanas akta abpusējas parakstīšanas.</p>	<p>5.2 The Seller, entering into the Contract, shall submit to the Purchaser the Advance Payment Guarantee issued by the bank in the amount of 50% of the Contract value (including VAT, if applicable) valid until mutual signing of the Deed of Transfer.</p> <p>The Purchaser shall return the Advance Payment Guarantee to the Seller in 2 (two) weeks after the mutual signing of the Deed of Transfer.</p>
<p>5.3. Pasūtītājs vienpusēji ir tiesīgs lauzt Līgumu, ja Līguma termiņš nav likumīgi pagarināts un Preču piegāde kavējas vairāk par 1 (vienu) mēnesi pēc šī Līguma termiņa beigām.</p>	<p>5.3. The Purchaser shall be entitled to terminate the Contract unilaterally, if the Contract deadline is not legally extended and delivery of the Goods has been delayed by more than 1 (one) month following the expiry of the deadline of the present Contract.</p>
<p>5.4. Ja Prece netiek piegādāta un līgums tiek lauzts, bet Pārdevējs neatmaksā avansu 2 (divu) nedēļu laikā pēc Līguma laušanas, Pircējs pieprasa garantijas izdevējam nekavējoties atmaksāt samaksāto avansu.</p>	<p>5.4. If the Goods are not delivered and the Contract is terminated, but the Seller has failed to repay the advance payment in 2 (two) weeks time after the Contract has been terminated, the Purchaser shall request that the issuer of the above Guarantee repay the advance payment immediately.</p>
<p>5.5. Visi būtiskie paziņojumi, kas attiecas uz šā Līguma noteikumu izpildi, sūtāmi ierakstītā vēstulē uz šā Līguma 6.punktā norādītām adresēm, vai nododami Pusēm personīgi. Ja paziņojumi tiek sūtīti ierakstītā vēstulē, tie uzskatāmi par saņemtiem trešajā dienā pēc to nosūtīšanas Latvijas adresātiem vai 14. dienā pēc to nosūtīšanas ārvalstu adresātiem.</p> <p>Adreses maiņa kļūst saistoša otrai Pusei, tad, kad Puse, kuras adrese tiek mainīta nosūta tai paziņojumu vai dokumentu, kas apstiprina šādas izmaiņas.</p> <p>Lai paātrinātu informācijas apriti, visi dokumenti adresātam vispirms jānosūta pa faksu vai uz oficiālo norādīto e-pasta adresi un saņēmējam jāatsūta apstiprinājums par saņemšanu.</p>	<p>5.5. All notifications related to the compliance with the conditions of the present Contract shall be sent in a registered letter to the addresses stated in Item 6 herein or delivered to the Parties in person. If the notifications are sent in a registered letter, they shall be deemed to be received on the third day after mailing, if the addressee is in Latvia, or on the fourteenth day after mailing, if the addressee is outside Latvia.</p> <p>The change of address shall be binding on the other Party, when the Party whose address is changed sends the other Party a notification or a document certifying such changes.</p> <p>To accelerate the information exchange, at first, all documents shall be sent to the addressee by fax or to the official e-mail address specified, and the recipient shall send a confirmation of such receipt.</p>
<p>5.6. Visi strīdi un domstarpības, kādas Pusēm radušās šā Līguma izpildes gaitā, un nav atrisināmas pārrunu ceļā 30 dienu laikā, tiek izskatītas Latvijas Republikas tiesu iestādēs, Latvijas Republikas normatīvajos aktos paredzētajā kārtībā.</p>	<p>5.6. All disputes and disagreements arising between the Parties in the course of compliance with the present Contract and cannot be resolved by way of negotiations in 30 days, shall be settled in the court institutions of the Republic of Latvia in the procedure stipulated by the regulatory enactments of the Republic of Latvia.</p>

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<p>5.7. Līguma teksts var tikt grozīts vai papildināts Pusēm savstarpēji vienojoties, noformējot to rakstveidā. Jebkurš šāds rakstisks akts kļūst par šī Līguma neatņemamu sastāvdaļu.</p>	<p>5.7. The text of the Contract may be amended or supplemented upon the mutual agreement of the Parties thereon, executing it in writing. Any such written document shall become an integral part of the present Contract.</p>
<p>5.8. Puses ar savu parakstu apliecina, ka tām ir visas tiesības (pilnvaras) slēgt Līgumu un ar to iegūstot savu pārstāvam vārdā Līgumā minētās tiesības un pienākumus. Ja Pārdevēja pārstāvis līguma noslēgšanas brīdī nav bijis pilnvarots pārstāvēt Pārdevēju, tad viņš/ viņa pats/pati, kā fiziska persona atbild par līgumsaistību izpildi ar visu savu mantu.</p>	<p>5.8. The Parties shall certify with their signatures that they have all the rights (authorisations) to enter into the Contract, thereby acquiring, in the name of the persons represented by them, the rights and obligations stated in the Contract. If the Seller's representative has not been authorised to represent the Seller at the moment of entering into the Contract, then he/she as a natural person shall be held liable for the compliance with the Contract obligations with all his/her property.</p>
<p>5.9. Puses pilnvaro veikt ar šā Līguma izpildi saistītās darbības (kontaktēties ar otru Pusi, parakstīt Preces pavadzīmes-rēķinus, nodot/saņemt Preci) šādas personas:</p>	<p>5.9. The Parties shall hereby authorise the following persons to perform the activities related to the compliance with the present Contract (to contact with the other Party, to sign the invoices of the Goods, to transfer, to accept the Goods):</p>
<p>5.9.1. no Pircēja puses: _____ ;</p>	<p>5.9.1. on the Purchaser's side _____ ;</p>
<p>5.9.2. no Pārdevēja puses _____ .</p>	<p>5.9.2. on the Seller's side _____ .</p>
<p>5.10. Šis Līgums ir uzrakstīts divos autentiskos eksemplāros latviešu un angļu valodā uz 8 (astoņām) lapām. Līguma 1. pielikums un citi Līguma iespējamie pielikumi ir tā neatņemamas sastāvdaļas. Pēc Līguma parakstīšanas viens eksemplārs tiek nodots Pircējam, bet otrs – Pārdevējam.</p>	<p>5.10. The present Contract shall be drawn up on 8 (eight) pages in Latvian and English in two authentic copies. Annex 1 to the Contract and other potential Annexes to the Contract are an integral part of the Contract. After signing of the Contract, one copy shall be delivered to the Purchaser, but the other – to the Seller.</p>

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6. LĪGUMSLĒDZĒJU PUŠU JURIDISKĀS ADRESES UN CITI REKVIZĪTI	6. THE LEGAL ADDRESSES AND OTHER DATA OF THE CONTRACTING PARTIES
Pircējs:	Purchaser:
Latvijas Universitātes aģentūra – Latvijas Universitātes Cietvielu fizikas institūts Juridiskā adrese: Ķengaraga iela 8, Rīga, LV-1063, Latvija PVN reģ.Nr. LV90002124925 Norēķinu konts: LV45TREL9154361000000, Banka: Valsts Kase, Bankas kods: TREL LV22	Institute of Solid State Physics University of Latvia Legal address: Kengaraga street 8, Riga, LV-1063, Latvia VAT reg. No. LV90002124925 Account number: LV45TREL9154361000000 Bank: Riga Treasury Unit Code: TREL LV22
Pārdevējs:	Seller:
Nosaukums: _____ Juridiskā adrese: _____ Biroja adrese: _____ PVN reģ.Nr. _____ Norēķinu konts: _____ Banka: _____ Bankas kods: _____	Name: _____ Legal address: _____ Address of the office: _____ VAT reg. No. _____ Account number: _____ Bank: _____ Code: _____
Pircējs / Purchaser:	Pārdevējs / Seller:
_____ Paraksts / Signature Z.v./ Seal	_____ Paraksts / Signature Z.v./ Seal

Līguma pielikums Nr.1

līgumam par iepirkuma Nr. LU CFI 2012/6/ERAF „Iekārtu komplekts tehnoloģisko procesu un iegūto plāno kārtiņu kontrolei”, ___ daļu „_____”
 noslēgtam starp LU Cietvielu fizikas institūtu, LU aģentūru
 un _____

Annex 1. to the Contract

on the Procurement No. LU CFI 2012/5/ERDF “Equipment for Controll of Technological Processes und Obtained Thin Films” Lot ___ “_____”
 concluded between the Institute of Solid State Physics University of Latvia
 and _____

Rīgā, 2012. gada ____.	Rīga, _____ 2012.
LU Cietvielu fizikas institūta līgumu uzskaites Nr. 2012/6/ERAF	Institute of Solid State Physics University of Latvia Contract registration No. 2012/6/ERDF
Latvijas Universitātes Cietvielu fizikas institūts, Latvijas Universitātes aģentūra (turpmāk tekstā – LU CFI), turpmāk tekstā – Pircējs , tā direktora Andra Šternberga personā, kas rīkojas saskaņā ar LU CFI nolikumu, no vienas puses, un _____, turpmāk tekstā – Pārdevējs , tās _____ personā, kas rīkojas saskaņā ar tās statūtiem, no otras puses, vienojas par šādu piegādājamo Preci , tās līgumcenu un garantijas laika termiņu:	Institute of Solid State Physics University of Latvia (hereinafter – the ISSP), hereinafter – the Purchaser , in the person of Mr. Andris Sternbergs, its Director, acting pursuant to the Regulation of the ISSP on the one side, and _____, hereinafter – the Seller , in the person of _____, its _____, acting pursuant to the Articles of Association, on the other side, agree on the following items constituting the Goods to be supplied, price and the deadlines of the warranty period:

Piegādājamā Prece (iekārtas nosaukums, ražotājs, modelis) / Goods to be supplied (equipment name, manufacturer, model)	Cena piegādes vietā / Price at the place of delivery	Garantijas laiks / Warranty period	Piegādes vieta / Place of delivery
		2 (divi) gadi 2 (two) years	LU Cietvielu fizikas institūts, Ķengaraga iela 8, Rīga, Latvija / Institute of Solid State Physics University of Latvia, Kengaraga street 8, Riga, Latvia

Turpinājums nākamajā lappusē / Continued on next page

SHALL BE FILLED IN BY THE TENDERER

ANNEX 3.1

to the Regulation of the Open Tender LU CFI 2012/6/ERDF
“Equipment for Control of Technological Processes and Obtained Thin Films”

APPLICATION FOR PARTICIPATION IN OPEN TENDER

Contracting Authority: Institute of Solid State Physics University of Latvia

Procurement ID No: LUCFI/2012/6/ERDF

/Date/

Subject of the procurement: Equipment for Control of Technological Processes and Obtained Thin Films: Lot 1: Hall Measurement System using Van Der Pauw method, with I-V Curve Plotting Capability and multiple measurements capabilities; Lot 2: Non-Contact, 3D Optical Profiler; Lot 3: Mass Spectrometer System, 1 set. (ERDF Project ID No: 2011/0041/2DP/2.1.1.3.1/11/IPIA/VIAA/004)

Having acquainted ourselves with the Tender Regulation, we, the undersigned, offer to provide the Delivery of Lot(s) _____ of Equipment for Control of Technological Processes and Obtained Thin Films pursuant to the requirements stipulated by the Tender Regulation and agreeing with all provisions of the Tender, in the amount as stated below:

(total Offer price in letters and figures)

Should our Offer be accepted, we undertake to provide the delivery according to the requirements stipulated by the Technical Specifications within ____ months from entering into the Contract in line with the Technical Bid which is an integral part of our Offer.

We hereby acknowledge that the Offer validity term shall be 3 (three) months.

We hereby submit our Offer incorporating the Tenderer selection documents, Technical Bid and Financial Bid.

Name of the Tenderer:	
Registered address	
Actual address	
Registration number	
VAT payer's number	
Telephone	
Fax	
e-mail address	
Internet address	
Contact person	
Telephone and e-mail address of the Contact person	
Name, surname and position of the authorised representative	
Signature of the authorised representative	

SHALL BE FILLED IN BY THE TENDERER

ANNEX 3.2
to the Regulation of the Open Tender LU CFI 2012/6/ERDF
“Equipment for Control of Technological Processes and Obtained Thin Films”

**A list of the delivery of similar (in sense of contract price and/or complicity) goods
(equipment) during the last 3 (three) years**

(Give reference to 3 – 5 main Contracts)

No.	Brief description of the Contracts	Amount of the executed Contract	Name and address of the Client	Commencement and completion of the Contract (Year/month)

The signature of the Tenderer’s authorised person:

/Name, surname/ /Position/ /Signature/

_____, _____ 2012
(place) (date)

SHALL BE FILLED IN BY THE TENDERER

ANNEX 3.3
to the Regulation of the Open Tender LU CFI 2012/6/ERDF
“Equipment for Controll of Technological Processes and Obtained Thin Films”

A list of the Tenderer’s personnel to be employed in the installation and/or warranty and post-warranty repair work in accordance with the terms and conditions of the Contract

Name, Surname	Position	Speciality, qualification, experience

The signature of the Tenderer’s authorised person:

/Name, surname/ /Position/ /Signature/

_____, _____ 2012
(place) (date)

SHALL BE FILLED IN BY THE TENDERER

FINANCIAL BID*

**For the Procurement “Equipment for Control of Technological Processes and
Obtained Thin Films”**

(Procurement will be performed within the ERDF Project
No.: 2011/0041/2DP/2.1.1.3.1/11/IPIA/VIAA/004 “Development of Scientific Infrastructure
for the National Research Centre of Nanostructured and Multifunctional Materials,
Constructions and Technologies”)

**Lot 1: Hall Measurement System using Van Der Pauw method, with I-V Curve
Plotting Capability and multiple measurements capabilities**

Hall Measurement System using Van Der Pauw method, with I-V Curve Plotting Capability and multiple measurements capabilities, 1 set	Price* in letters and figures
Model: Manufacturer:	

* The prices of the Financial Bid shall be stated with all the discounts and all the taxes imposed on the order, the VAT excluded. If the price is given in currency different from LVL, it will be converted in LVL according to the exchange rate fixed by the Bank of Latvia on the day of opening the bids.

The signature of the Tenderer’s authorised person:

_____/Name, surname/ _____/Position/ _____/Signature/
_____, _____ 2012
(place) (date)

SHALL BE FILLED IN BY THE TENDERER

FINANCIAL BID*

**For the Procurement “Equipment for Control of Technological Processes and
Obtained Thin Films”**

(Procurement will be performed within the ERDF Project
No.: 2011/0041/2DP/2.1.1.3.1/11/IPIA/VIAA/004 “Development of Scientific Infrastructure
for the National Research Centre of Nanostructured and Multifunctional Materials,
Constructions and Technologies”)

Lot 2: Non-Contact, 3D Optical Profiler

Non-Contact, 3D Optical Profiler, 1 set	Price* in letters and figures
Model: Manufacturer:	

* The prices of the Financial Bid shall be stated with all the discounts and all the taxes imposed on the order, the VAT excluded. If the price is given in currency different from LVL, it will be converted in LVL according to the exchange rate fixed by the Bank of Latvia on the day of opening the bids.

The signature of the Tenderer’s authorised person:

/Name, surname/ /Position/ /Signature/
_____, _____ 2012
(place) (date)

SHALL BE FILLED IN BY THE TENDERER

FINANCIAL BID*

For the Procurement “Equipment for Control of Technological Processes and Obtained Thin Films”

(Procurement will be performed within the ERDF Project
No.: 2011/0041/2DP/2.1.1.3.1/11/IPIA/VIAA/004 “Development of Scientific Infrastructure for the National Research Centre of Nanostructured and Multifunctional Materials, Constructions and Technologies”)

Lot 3: Mass Spectrometer System

Mass Spectrometer System, 1 set	Total price* in letters and figures
Mass Spectrometer System consisting of: 1) Mass-spectrometer detector unit ("head") Model: Manufacturer: 2) Oil-less vacuum pumping station Model: Manufacturer: 3) Vacuum sensor head with controller Model: Manufacturer: 4) Vacuum flanges and connecting components	

* The prices of the Financial Bid shall be stated with all the discounts and all the taxes imposed on the order, the VAT excluded. If the price is given in currency different from LVL, it will be converted in LVL according to the exchange rate fixed by the Bank of Latvia on the day of opening the bids.

The signature of the Tenderer's authorised person:

/Name, surname/ /Position/ /Signature/

_____, _____ 2012
(place) (date)