

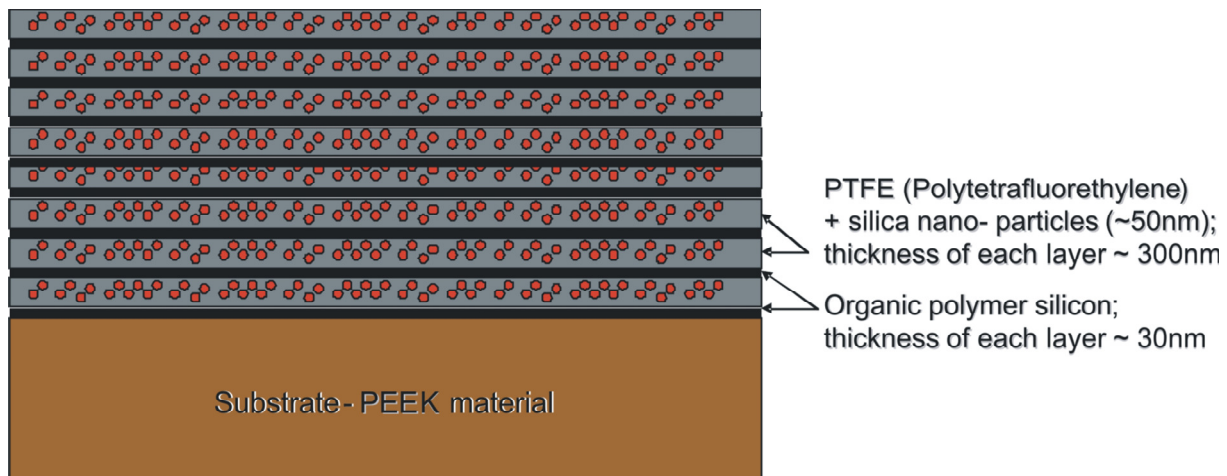
Institute of Metallurgy and Materials Science  
Polish Academy of Sciences  
25 Reymonta street, 30-059 Krakow  
The web page: [www.imim.pl](http://www.imim.pl)  
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sign of the case: ZO/07/2015

## INVITATION FOR OFFERS SUBMISSION FOR AN EXTERNAL SERVICE FOR NANO- COMPOSITE COATINGS DEPOSITION ON PEEK SUBSTRATE:

### I. CONTRACTING AUTHORITY

Institute of Metallurgy and Materials Science  
Polish Academy of Sciences  
25 Reymonta street, 30-059 Krakow  
tax identification number : PL 6750001857, REGON: 000326374

### II. DESCRIPTION OF THE CONTRACT SUBJECT



#### **The first stage of coatings deposition.**

The coatings deposition process will be divided into two parts. The first call (in 2015) for an external service will be connected with initial coatings deposition. In 2015 it is planned to deposit nano- composite (PTFE+ silica) coatings in order to get basic information of properties for future multilayer coatings. In 2016 it is planned to announce the second call for external service for coatings deposition. There will be multilayer coatings, which production will be done basis on the experience gained in the first batch of external surfaces.

The priority will have a company which will win an offer competition and produce an initial part of coatings in 2015, in order to keep a similar deposition conditions.

**Requirements for material:**

- Development and deposition of basic PTFE+ silica nano-particles systems for future multilayer coatings with organic silicon polymer interlayers on PEEK and Si substrates (substrate material will be delivered) by plasma- polymerization technique. Achieving nanocomposite structure by co-deposition of Fluor-based polymer and silicon-based polymer, interrupted by reactive plasma treatment for nanoparticle formation
- Thickness of total coating should be: 400-1000 nm. The diameter of silica nano- particles should be ~50nm
- Number of coated samples:12 coatings types

**Requirements for deposition technique:**

- Deposition should be done using plasma- activated chemical vapor deposition (PACVD) technique.

**Requirements for the company:**

- High experience in vacuum coating process development (plasma-polymerization with reactive in-situ post-treatment similar to atomic layer deposition) and achieved plasma polymer coating materials- Please attach minimum 5 international publications
- Experience in development and research on multi-layered materials- Please attach the ISO certification which will prove the quality of service

**III. ORDERING PARTY DOES NOT ACCEPT SUBMISSION OF PARTIAL OFFERS.**

**IV. DEADLINE OF THE SERVICE**

The order must be processed within: **30-th of November 2015**

**V. THE DESCRIPTION OF THE METHODE HOW TO PREPARE THE OFFER**

The offer should:

contain the address or headquarters of the tenderer, e-mail address, telephone number, tax identification number, REGON, KRS, determine the price for the service, price for service

## VI. DATE AND PLACE FOR OFFERS SUBMISSION

1. The offer should be sent via: e-mail to the following address: przetargi@imim.pl, or by fax: + 48 12 295-28-04 until 31.08.2015 until 12:00.
2. Offers submitted after the deadline will not be considered.
3. The tenderer may change or withdraw the offer prior to the deadline.
4. During the examination and evaluation of offers The Contracting Authority may request explanations concerning the content of submitted offers from Tenderers.

## VII. OFFERS EVALUATION

The Contracting Authority will evaluate the offers bases on the following criteria:

No:	criterion:	Weight:
1	Price (expense)	100%

Punkty będą liczone według następującego wzoru:

No of criterion.	Formula
1	Price (expense) Number of points $C_1 = ( C \text{ min} / C \text{ bad} )$ where: - C bad – gross price stated in the offer - C min – the lowest gross price of all of offers

## VII. ADDITIONAL INFORMATION

For more information please contact MsC Marek Pac by calling 12 295-28-45, by e-mail: przetargi@imim.pl

## IX. ATTACHMENTS TO OFFERS:

### Appendix 1 - Offer Form

## X. IT IS OBLIGATORY TO ATTACH TO THE OFFER:

1. Appendix 1 - Offer Form,
2. Please attach minimum 5 international publications,
3. Please attach the ISO certification which will prove the quality of service

## OFFERS FORM

NAME OF THE CONTRACTOR:.....

ADDRESS: .....

TEL./FAX/ E-MAIL .....

TAX IDENTIFICATION NUMBER.....

REGON .....

BANK /ACCOUNT NUMBER .....

To: **Institute of Metallurgy and Materials Science**

**Polish Academy of Sciences**

**25 Reymonta street, 30-059 Krakow**

By joining the procedure for a public contract, the object of which is: nano- composite coatings deposition on PEEK substrate, I offer the contract realization in accordance with the principles set out in the offer inquiry

**Net price: ..... PLN**

**Gross price ..... PLN,**

**in words: ..... PLN,**

**This price includes tax in the amount of..... % ie..... PLN**

Place, ....., date .....

.....  
*signature of the person / persons authorized  
to represent the contractor*