



CSIR - NATIONAL PHYSICAL LABORATORY

(Council of Scientific & Industrial Research)

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From: Director, CSIR-NPL

Ref. No.: 14-VII/RM(2486)15-PB/PIC

To,
M/S

Dt:

Dear Sirs,

Sub.: INVITATION FOR PRE-INDENT CONFERENCE –Intimation Regarding

National Physical Laboratory (NPL), a premier R&D unit of Council of Scientific & Industrial Research, intends to procure a **“Blackbody based primary standard of optical radiation for spectral irradiance”** required for establishment of primary standard of optical radiation for spectral irradiance to create national asset to provide calibration and measurement facility for various R&D activities and scientific application (as per pointer advertisement placed at **Annexure -II**).

In this regard, a **Pre-Indent Conference (PIC)** is being organized to finalize the broad technical specifications of the required system(s) as mentioned above. Prospective OEMs or their Authorized Distributors, System Integrators having specialization and experience of such installations and their maintenance thereof are invited to make presentations followed by discussions on technology, design, features, utility, technical parameters and other related Techno-commercial issues. The credentials, technical capability, financial standing & track record of vendors, will be evaluated, based upon PIC discussions and documents submitted by the interested parties. For this purpose brief details and purpose of requisite equipment is enclosed at **Annexure –I**.

Further the detailed scope of PIC and other conditions can be seen on NPL website: <http://www.nplindia.org> under “Tenders/Pre-Indent” → “Pre-Indent Conference Notifications” link. Parties willing to participate must send a formal communication to Controller of Stores & Purchase (emails: cosp@nplindia.org / spo@nplindia.org), in advance. The schedule for PIC will be as follows (as per pointer advertisement placed at Annexure -II):

Date & time of PIC: 19.11.2015 at 10.00 AM (IST) onwards.

Venue: Director’s Conference Room, Ground Floor, Main Building, CSIR-NPL, New Delhi -110012.

Interested parties willing to take part in the above said PIC are requested to submit the documents to prove their Technical Capabilities, Client List, Financial Capabilities, Experience and Credentials at the time of attending of PIC along with Vendor Registration Form as per Annexure -III. A Line of confirmation in this regard may be sent.

Thanking you,

Yours Faithfully,

Encl: A/A

(Tariq Badar)
Controller of Stores & Purchase

Ref. No.: 14-VII/RM (2486)15-PB/PIC**Blackbody based primary standard of optical radiation for spectral irradiance**

The system would primarily be used for calibration of broad band light sources (~ 200 - 2500 nm, ~ 1000 W) for spectral irradiance, with respect to high temperature blackbody. Direct calibration against blackbody would enhance our measurement capabilities by reducing the uncertainties.

Major parts of the system are:

High temperature blackbody (~ 1800 - ~ 3500 K), with power supply, cooling system and feedback system for current and temperature stabilization.

Spectral irradiance calibration comparator (~ 200 - 2500 nm), including translation stages, double monochromator, detectors (PMT, Si-photodiode, IR detectors) with amplifiers, lockin amplifier, optics and alignment utilities etc.

Filter radiometers (calibrated) with alignment mounts, thermostat, millimeters etc.

High temperature fixed point radiation thermometers.

Standard spectral irradiance lamps with setup, including power supply, shunt resistances, multimeters, alignment utilities etc.

Fully automatic operation with suitable software.

Installation, Onsite testing and training.

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Emails: spo@nplindia.org cosp@nplindia.org**PRE -INDENT CONFERENCE NOTICE No: 08/2015**

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Further Corrigendum/Amendments, if any, will be posted in NPL website: <http://www.nplindia.org>

Sd/-
(Controller of Stores & Purchase)

VENDOR'S INFORMATION FORM

[The interested party shall fill in this form and should submit at the time of attending PIC. This should be done on the letter head of the firm]

1. Vendor's Legal Name :

2. Vendor's actual or intended Country of Registration :

3. Vendor's Legal Address in Country of Registration :

4. Vendor's Authorization Representative Information

Name :

Address :

Telephone/Fax numbers:

Email Address :