

# Department of Materials Science and Engineering Indian Institute of Technology Kanpur

Enquiry No. IITK/MSE/AG-1/2016-2017

Enquiry Date: 08.09.2016

Closing Date: 20.09.2016

## Call for Quotation of organing semiconducting material PTB7 for high effieency organic solar cells (PTB7: (Poly[ [4,8-bits[(2-ethylhexyl)oxy]benzo[1,2-:4,5-b]dithiophene-2,6-diy1][3-fluoro-2-[(2-ethylhexyl)carbonyl1]thieno[3,4b]thiophenediy1]]))

Sealed quotations are invited for the supply of following specialized chemical asper the following specifications:-:

Sl. No.	Description	Qty
01.	<p><b>Organic semiconducting material</b>  <b>PTB7:</b> Poly[ [4,8-bits[(2-ethylhexyl)oxy]benzo[1,2-:4,5-b]dithiophene-2,6-diy1][3-fluoro-2-[(2-ethylhexyl)carbonyl1]thieno[3,4b]thiophenediy1]]</p> <ul style="list-style-type: none"> <li>• Volatile moisture balance must be below &lt; 1.0%.</li> <li>• Light abosorptionand Molecularweight must be appropriate for the highest possible solar cell efficiency (PCE) of over 7.5%. The values must be mentioned.</li> <li>• Poly Dispersity Index (PDI): &lt;3.0.</li> <li>• Assay should be better than 99.99%.</li> <li>• Materialmust be soluble in chloroform, chlorobenzene and dichlorobenzene.</li> </ul> <p>The materials data MUST be provided such as data on conventionally prepared organic solar cell devices in normal and inverted architectures, molecular weight, absorption spectra, the energy levels and other material related properties</p>	1000mg

### Terms & Conditions:

1. Please mention tender notice number on top of the envelope.
2. Validity of quotation should be atleast for 60 days.
3. The delivery period should be specifically stated.Earlier delivery may be preferred.
4. Quotation should carry proper certifications like authorization certificate, proprietary certificate etc. (if applicable).
5. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%). Prices quoted should be C.I.F. New Delhi or C.I.F. IIT Kanpur (Preferable).
6. Institute is exempted from payment of Excise Duty under notification No. 10/97. .
7. The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.

Kindly send the quotation in sealed envelopes latest by 3.00 PM on 20.09 2016 to the following address:

Dr. Ashish Garg,Professor  
 Dept. of Materials Science and Engineering,  
 Indian Institute of Technology,  
 Kanpur- 208016