

# INDIAN INSTITUTE OF TECHNOLOGY DELHI

## Centre for Energy Studies

### Notice Inviting Quotation

Ref. No. IITD/CES/

Date: 16/01/2013

Sealed quotations are invited (**in two bids: technical and commercial sealed separately**) for supply of **pico** scale hydro turbines having following specifications/ features:

#### Specifications:

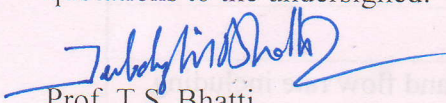
SNo.	Description of purchase	Number
<b>A. General</b>		
1.	Francis Turbine - Generator Set to be mounted on single base frame	One
2.	Kaplan Tubine - Generator Set to be mounted on single base frame	One
3.	Pump as Turbine – Generator Set to be mounted on a single base frame	One
<b>B. Specification details</b>		
<ul style="list-style-type: none"><li>• Head <math>\leq 40</math> m</li><li>• Flow rate <math>\leq 25</math> lps</li><li>• Reputed make generator, 2 to 3 kVA, single phase, 220 V, 50 Hz</li><li>• Inlet butterfly valve of suitable size</li><li>• Provision for installation of Head and Flow rate measurement transducers/ devices</li><li>• Provision for control of speed by guide vanes</li></ul>		
<b>C.</b>		
<ul style="list-style-type: none"><li>• The prices may be quoted for individual units.</li><li>• The quotation should include transportation, plumbing and charges for installing these equipment at the site (Centre for Energy Studies, IIT Delhi).</li><li>• The bidders are advised to visit our laboratory and to assess the site of installation, take necessary measurements so that the offered units should fit into the existing facility.</li></ul>		
<b>D.</b>		
<ul style="list-style-type: none"><li>• Charges for suitable sensors for measurement of head and flow rate including installations may be provided under separate head for each turbine.</li></ul>		



## Terms and conditions

- i. Price quoted The rate quoted must preferably be for free delivery CIF IIT Delhi after allowing discounts 'if any'
- ii. Terms of payment Our normal terms of payments as per IIT norms after receipt of stores in sound condition and successful installation by means of cheque or Letter of Credit whichever is applicable.
- iii. Director's right Director reserves the rights of acceptance or rejection of any or all quotations. The discretion for increasing the quantities demanded also vests with him.
- iv. Validity of quotation Quotations will be considered valid for 3 months from the date of receipt unless otherwise stated.
- v. Correspondence No correspondence regarding the acceptance or rejection of a quotation will be entertained.
- vi. Method of submission of the quotation Quotation should be sent in a sealed cover marked at top our N.I.Q. REFERENCE and DUE DATE. Quotation should contain separately sealed (i) Commercial bid and (ii) Technical bid Both in one main sealed cover
- vii. Discount/rebates Special discount/rebate may please be indicated. Keeping in view that items supplied are being made for educational purpose in respect of Public Institution of National Importance.
- viii. Compliance Statement Compliance statement against tender specifications must be submitted. Quotation not satisfying the same will be rejected.
- ix. Warranty 2 year
- x. Rejection Quotation not conforming to the set procedures as described above will be rejected.

The sealed quotations should reach latest by 5 PM on 22/03/13 Please send the sealed quotations to the undersigned.

  
Prof. T.S. Bhatti  
Centre for Energy Studies  
Room No. 237, Block-V'  
Indian Institute of Technology Delhi,  
Hauz Khas' New Delhi 1 10016