

## **NOTICE INVITING QUOTATION (NIQ)**

**Date: 26-02-2009**

Sealed quotations on company letterhead are invited from reputed manufactures from India or their authorized suppliers / dealers and service agents in India for the supply of the equipment mentioned in this document.

The quotation must provide detailed information of the configuration and specifications of the items as well as price (**in Indian rupees only**) and terms and conditions of the payment. **The quotation should mention individual unit cost of each of the components as well as total cost of delivery, installation and commissioning as well as full demonstration at IIT Delhi site.** The Cost should be CIF New Delhi. **Comprehensive warranty of three years is required.**

The quotation should be submitted on or before 19<sup>th</sup> March, 2009 by 10:00 am in the office of **Head, Department of Civil Engineering, Room No. 221, Block No. IV, Indian Institute of Technology Delhi, Hauz Khas, New Delhi- 110016 (INDIA)**. The validity of the submitted quotation must extend up to at least three months.

**Interested parties are required to submit their technical and financial bids in separately sealed envelopes and marked respectively as “Technical Bid” and “Financial Bid” on the outside.** The two envelopes should be enclosed inside a single large envelope and marked, **“ATTN: Dr. Supratic Gupta, Sealed Quotation for Hydraulic Power Pack, 3000 psi, 200 lpm flow capacity To be opened by Purchase Committee”.**

**The Bidder is required to provide bid security through a bank guarantee of Rs. 63,000/- valid until 30 June 2009 in the technical bid.**

The Institute reserves the right to accept/reject any/all the offers without assigning any reason whatsoever.

<b>S. No.</b>	<b>Item Name and Specifications</b>	<b>Quantity</b>
1.	<p><b>Hydraulic Power Pack, 3000 psi, 200 lpm flow capacity</b></p> <p>Hydraulic power pack with stainless steel reservoir with suitable tank capacity should be equipped with filling port, draining valve, liquid level gauge and electrical liquid switch for low level indication.</p> <p>The Hydraulic Power Pack must have multiple pumps Bosch or equivalent make to provide maximum 200 lpm at 3000 psi. It should be fully automated PLC controlled with variable frequency drive. Pumps start and shut off as per the oil flow demand of the test. There should be indication status on the Hydraulic Power Pack with various parameters such as pressure, temperature, status of the pump, etc.</p> <p>It should be complete with oil pressure indicator, temperature transducers, hydraulic level indicator, in built 10 micron filtering system, suitable hoses of adequate length, pressure regulator, accumulator and pump. The power pack should be operable locally as well as remotely by system controller and should be properly wired to test controls for condition monitoring and interlocks in the event of oil over temperature, low oil level, Filter clogging, Phase failure sensor, Motor overload safety interlock, etc.</p> <p>Hydraulic system should be supplied with requisite quantity oil and its technical specification should be mentioned in the offer.</p> <p>Should be supplied with dual outlet option with hand shut-off valves and should have communing feature so another Hydraulic Power Pack of same capacity can be added at a later date.</p>	01 number

**NOTES:**

- (1) All Documents & manuals should be in English**
- (2) Each of the essential specification needs to be responded either in range or any applicable answer. Bidder should also provide the time frame of delivery. Failure to respond to any essential specification can lead to disqualification.**
- (3) Technical bid not accompanied by bank guarantee will be disqualified.**
- (4) Vendor should provide reference of supply of equipment within India or outside of similar equipment. Any negative comments from any one referred would disqualify the bid. IITD reserves the right to interact/visit with the referred customer as per its convenience.**
- (5) Installation, Commissioning and terms of conditions:** The quoted cost should be in Indian Rupees including taxes and freight to IIT Delhi. Cost should include design of installation (IITD will bear the material cost for installation), deputation of competent engineers for installation (Labor cost will be born by IITD only) and commissioning of the equipment with all accessories at user's site. Necessary cooling systems required for smooth running of the equipment should be specified in pre-installation requirements like chillers, motors etc., along with their detailed technical specifications. Also specify requirement of electric power and water etc. All these items should be provided within 1 month of order placement so that IITD can prepare the installation requirements well in time. Vendor is required to supply, install and test the equipments within 6 months of the order.

The supplier should demonstrate the performance of the equipment to the specifications by conducting trial tests. Complete set of manuals for operation, maintenance and safety along with circuit/block diagrams should be provided.