



Department of Applied Mechanics
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI – 600036, INDIA

Item name: **Interconnect Switch for High-Performance Computing (HPC)**

Ref. No. **APM2018/IBSWITCH/VDN/003**

Date: **20 November 2018**

Due date: **04 December 2018**

1. Quotations are invited in a **two bid system** for the items shown overleaf (in Annexure I). The offers /bids should be submitted as technical bid and financial bid separately. The Technical bid should consist of all technical details/specifications only. The financial bid should indicate item-wise price for each item and it should contain all Commercial Terms and Conditions including Taxes, transportation, packing & forwarding, installation, guarantee, payment terms, pricing terms etc. The Technical bid and Financial bid should be put in separate covers and sealed. Both the sealed covers should be put in a bigger cover and sealed. The envelope then should be super scribed with "**Interconnect Switch for High-Performance Computing (HPC)**", **reference No.** and **due date** and should be addressed to the undersigned.
2. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
3. The total cost of the equipment in terms of CIP Chennai should be clearly mentioned.
4. Terms of warranty and guarantee should be explicitly mentioned.
5. Packing and delivery charges, customs and clearance duty should be clearly stated.
6. Goods should be supplied carriage paid and insured.
7. Goods shall not be supplied without an official supply order.
8. Local firms : Quotations should be for free delivery to this institute. If quotations for ex-godown delivery charges should be indicated separately.
9. Firms outside Chennai: Quotations should be for F.O.R. Chennai. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If ex-godown, packing, forwarding and freight charges must be indicated.
10. The rate of sales / general taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for sales / general taxes will be admitted at any stage and on any ground whatsoever.
11. Payment : Specify the mode of payment and if advanced payment has to be made. Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later.
12. IIT Madras is eligible for concessional rate of customs duty. Necessary certificate will be issued on demand.
13. IIT Madras has the right to accept the whole or any part of the tender or portion of the quantity offered or reject it in full without assigning any reason.
14. The sealed quotation may be sent to

Dr. Vagesh D. Narasimhamurthy
Department of Applied Mechanics
IIT Madras,
Chennai- 600036, Tamil Nadu, India



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ANNEXURE I

TECHNICAL SPECIFICATIONS:

Interconnect Switch for High-Performance Computing (HPC)

1	Ports	24
2	Connector Type	QSFP28
3	Bandwidth	100 GB/s per port
4	Power Supply	2 (1+1 redundant), 110/220 V AC 50-60 Hz
5	Cooling	25 Fans
6	MTU size	2 KB, 4 KB, 8 KB or 10 KB
7	Chassis type	1 U
8	Warranty	5 years on-site comprehensive warranty
9	Supplier Capability	a) OEM (Manufactures) should have at least 5 HPC installations in the latest listings of Top 500 supercomputers. b) The bidder (system integrator) should have successfully installed and integrated 5 HPC clusters at IITs/NITs, CSIR/DRDO/IGCAR/BARC or similar government research labs within the past 3 years with the minimum size of 8 nodes each along with interconnect switch. The PO's and installation reports of those installations should be furnished. c) Past experience of installing Linux & open source job schedulers (e.g. SLURM, Torque). d) The supplier (system integrator) should submit the bid.
10	Compliance statement	Compliance statement needs to be provided by bidders clearly specifying COMPLY/NON COMPLY with remarks of all of the points mentioned above

OPTIONAL (but mandatory to quote):

- Warranty: 4 years on-site comprehensive warranty

Contact person details for technical clarifications:

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