

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
ISRO TELEMETRY TRACKING AND COMMAND NETWORK (ISTRAC)
Plot No. 12 & 13, 3rd Main, 2nd Phase
PEENYA INDUSTRIAL AREA, BANGALORE -560 058

TENDER NOTICE NO. 02 / 2009 - 2010

For and on behalf of the President of India, Purchase and Stores Officer, ISTRAC, Bangalore, invites Sealed Tenders for the supply of the following:-

Sl. No	Tender No.	Description of Items	Qty. (No)	Tender Fee (including VAT) Non refundable or non transferable	Last date of receipt of Sealed quotations (DUE DATE)	Tender opening date and time
01	TRSO 2009 000 035 (DUAL PART)	SUPPLY OF MEGATROPIQUES LEVEL-1 PROCESSING SERVERS	05 NOS.	Rs. 208/-	07/ 07 / 2009 3.00 PM	08 / 07 / 2009 10.30 AM (Technical & Commercial Bid)

Detailed Specifications are available in the Tender documents, in respect of item Sl.No.1. It is proposed to follow TWO PART TENDER SYSTEM (Part-I 'Technical and Commercial Terms & Conditions' and Part-II: "Price") and Tenderers are requested to go through the "Important Instructions for Two Part Tender, Annexure-'X' to be followed while preparing their Quotation/Offer in response to this "Two Part" Tender Notice. .

- Note:**1. The tender/bids will be opened in the presence of tenderers or their authorized representatives.
2. Tenderers should bring authorisation letter/identification while attending opening of the tenders.

While making request for tender documents, the following points shall be noted :

- Only brief specifications are furnished here. Detailed specifications are available in the tender documents and the quotations should be in the prescribed form only.
- Separate requests shall be made for tender document indicating tender number and item together with prescribed tender fee to the Purchase and Stores Officer (Purchase) , ISRO Telemetry, Tracking and Command Network (ISTRAC), Plot No.12 & 13, 3rd Main, 2nd Phase, Peenya Industrial Area, Bangalore -560 058 only. The envelopes containing such request shall indicate request for "Tender Document" only and 'Tender Number and due date **should not be** mentioned on the envelope.
- The tender fees should be in the form of crossed demand draft from any Nationalised Bank, payable at Bangalore in favour of Accounts Officer, ISTRAC, Peenya, Bangalore - 560 058. Money Order, Cash or Cheque will not be accepted. The date of demand draft should not be prior to the date of this advertisement/website intimation.
- In the event of any date indicated above is a declared holiday, the next working day shall become operative for the respective purpose mentioned therein.
- Late/Delayed offers will not be accepted and will summarily be rejected.
- ISTRAC, Bangalore will not be responsible for any delay/loss of documents in transit.
- Right to accept or reject any quotation in full or part thereof without assigning any reason whatsoever is reserved.
- Tender documents are also available on ISRO website, www.isro.org. Interested tenderers may, at their own option, download the tender documents from the web site and submit their offers along with the prescribed tender cost (in the form of Bank draft) as per details in the tender notification. (Please note that in case DD towards cost of Tender Documents are not enclosed with the quotation, your quotation is liable for rejection).

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
ISRO TELEMETRY TRACKING AND COMMAND NETWORK (ISTRAC)
BANGALORE-58
PURCHASE DIVISION

Telephone : 080-2837 6383 / 2809 4555
Fax : 080-2809 4061
Grams : ISTRAC

Plot No. 12 & 13, 3rd Main, 2nd Phase
Peenya Industrial Area
Bangalore - 560 058 INDIA

Our Ref.: **TRSO 2009 000 035 - 01**

Date : 11 / 06 /2009

(To be quoted in all correspondence)

E Mail: purchase@istrac.org

Invitation to Tender

To
M/s

Dear Sirs,

Please submit your sealed quotation, in the Tender Form enclosed here along with the description catalogues / pamphlets / literature, superscribed with Our Ref.No. and Due date for the supply of the following items as per the terms & conditions mentioned in Annexure (enclosed). Please ensure that your quotation reaches this office not later than **07 / 07/ 2009** at 1500 hrs.

Sl. No.	Description	Quantity Required
1.	<p>SUPPLY OF MEGATROPIQUES LEVEL-1 PROCESSING SERVERS AS PER SPECIFICATIONS ENCLOSED</p> <p>NOTE:</p> <ol style="list-style-type: none">1. The Bidder has to supply the catalogue along with the Quotation.2. Tender Notice + Invitation to Tender + Tender Form – 03 Pages3. Important instructions to Tenderers - INDIGENOUS - 01 Page4. Important instructions to Tenderers (Two Part Tender), Annexure-'X' enclosed - 01 Page5. Detailed Specification enclosed – 09 Pages6. Technical Compliance Record enclosed – 06 Pages7. Instructions for filling the Technical Compliance Record enclosed – 03 Pages6. General Instructions to Tenderers and Terms & Conditions enclosed – 07 Pages7. Bids/Tenders shall be opened in the presence of attending Tenderers or their authorized representatives on 08 / 07 / 2009 at 10.30 Hrs at ISTRAC, Peenya, Bangalore-58. <p>The tender fee of Rs. 208/- towards Tender Document in the form of DD drawn in favour of Accounts Officer, ISTRAC, Bangalore - 560 058 obtained from a Nationalised Bank, payable at Bangalore should be enclosed along with quotation. Money order, Cash or Cheque will not be accepted. The date of demand draft should not be prior to the date of this advertisement / website intimation.</p> <p>(Total pages: 30)</p>	05 Nos.

Delivery at **ISTRAC - BANGALORE**

Delivery Required: Earliest

Yours faithfully,

(C.S. BASAVANNA)
Purchase & Stores Officer
For and on behalf of the President of India
(The Purchaser)

**IMPORTANT INSTRUCTIONS - TO TENDERERS
(INDIGENOUS STORES)**

**PLEASE COMPLY THIS (WITHOUT FAIL) FOR SPEEDY CONSIDERATION / DECISION
OF YOUR OFFER**

1. PLEASE QUOTE ACCORDING TO THE UNITS INDICATED IN THE 'INVITATION TO TENDER', ONLY FOR SPEEDY EVALUATION.
2. PLEASE QUOTE FIRM PRICE FOR DELIVERY AT OUR SITE/F.O.R DESTINATION BASIS (INCLUDING PACKING AND FORWARDING) I.E., PURCHASE & STORES OFFICER (STORES), ISTRAC, PLOT NO. 12 & 13, 3RD MAIN, 2ND PHASE, PEENYA INDUSTRIAL AREA, BANGALORE - 560 058.
3. OUR BEING GOVERNMENT OF INDIA ORGANISATION, OUR PAYMENT TERMS ARE ONLY 'FULL PAYMENT WITHIN 30 DAYS' AFTER ACCEPTANCE AT OUR SITE. PLEASE QUOTE ACCORDINGLY. OTHER TERMS AND PAYMENT MAY BE CONSIDERED ONLY IF SUITABLE CASH DISCOUNTS FOR "AGAINST DELIVERY BY ISTRAC STORES" (NOT THROUGH BANK) ARE OFFERED.
4. VALIDITY OF YOUR OFFER SHOULD BE ATLEAST 120 DAYS FROM THE DATE OF OPENING.
5. PERCENTAGE OF SALES TAX AND EXCISE DUTY (FOR GENERAL ITEMS) IF ANY, SHOULD BE SHOWN SEPARATELY AND CLEARLY IN YOUR QUOTATION. PLEASE AVOID THE TERM, 'TAX/EXCISE DUTY AS APPLICABLE'. ALSO WHEREVER E.D. EXEMPTIONS BASED ON CERTIFICATES (FOR OUR R&D USE) ARE PROVIDED BY ISTRAC (IF AND WHEN AN ORDER IS FINALISED) IN TERMS OF EXCISE NOTIFICATION NO. 10/97 DATED 1.3.1997, YOU SHALL NOT CHARGE SUCH E.D. AND SUPPLY (WHEN ORDERED) HAS TO BE AFFECTED AS PER ORDERED PRICE ONLY.
6. PLEASE SPECIFY TIME 'MAKE' OR 'BRAND NAME' OF THE ITEM OFFERED WHILE QUOTING.
7. PLEASE REFER ENCLOSED TENDER TERMS / INSTRUCTIONS TO TENDERERS AND TERMS AND CONDITIONS FOR FURTHER DETAILS.
8. PLEASE INDICATE YOUR VAT – TIN NUMBER IN YOUR QUOTATION.

IMPORTANT INSTRUCTIONS TO TENDERERS (TWO PART TENDER)

1. IT IS PROPOSED TO HAVE A TWO COVER SYSTEM FOR THIS TENDER:
TECHNICAL AND COMMERCIAL PART IN ONE COVER
PRICE PART IN ONE COVER

2. TECHNICAL AND COMMERCIAL PART

TECHNICAL AND COMMERCIAL PART SHOULD CLEARLY INDICATE IN ADDITION TO THE TECHNICAL DETAILS, PLACE OF DELIVERY i.e, ISTRAC's SITE, BANGALORE, SUPPORT OF SYSTEMS DURING WARRANTY AND POST WARRANTY PERIOD PAYMENT TERMS, VALIDITY, WARRANTY/GUARANTEE, DELIVERY PERIOD, DELIVERY SCHEDULE, LIST OF SIMILAR INSTALLATION, CATALOGUE ETC.,

COMPLETE TECHNICAL LITERATURE/LEAFLET RELEVANT TO THE OFFER ARE TO BE ENCLOSED TO THE TECHNICAL AND COMMERCIAL PART OF THE TENDER

PLEASE ENCLOSE A COMPLIANCE STATEMENT FOR ALL THE SPECIFICATION, TERMS/CONDITIONS (POINT BY POINT) COVERED IN THE ENCLOSED TECHNICAL COMPLIANCE REPORT. ALSO, ENCLOSE A COPY OF THE DETAILS INDICATED IN PRICE QUOTATION (WITHOUT PRICES OR BY MASKING THE PRICES) MAINLY TO KNOW THE ITEMS/SPECIFICATIONS FOR WHICH YOU HAVE INDICATED PRICES IN PRICE BID. THIS PART SHOULD NOT CONTAIN PRICES.

3. PRICE PART.

- a. PRICE PART WITH DETAILED BREAK-UP SHOULD ONLY INDICATE PRICES WITH TAXES IF ANY APPLICABLE SEPARATELY. PLEASE NOTE THAT PRICES SHOULD NOT BE INDICATED IN TECHNICAL AND COMMERCIAL PART.
- b. PRICES ARE TO BE SEPARATELY GIVEN FOR THE RECOMMENDED SPARES IF APPLICABLE.
- c. THE COVERS i.e., 'TECHNICAL & COMMERCIAL PART' COVER AND "PRICE BID" COVER SHOULD BE SEALED AND SUPERSCRIBED WITH TENDER NUMBER, DUE DATE, ADDRESS, NATURE OF BID ETC.,
- d. IMPORTANT: THE WORDING "TECHNICAL AND COMMERCIAL OFFER" SHOULD BE MENTIONED ON THE TOP OF THE ENVELOPE VERY CLEARLY SIMILARLY THE COVER CONTAINING THE PRICE BID SHOULD BEAR THE WORDINGS "PRICE BID"
- e. BOTH, TECHNICAL AND COMMERCIAL BID COVER AND PRICE BID COVER ARE TO BE SEALED IN SEPARATE COVERS AND THEY ARE TO BE KEPT IN A SINGLE COVER SUPERSCRIBED WITH TENDER NUMBER DUE DATE AND TIME. THE OUTER COVER THUS PREPARED SHOULD BE SENT TO THE FOLLOWING ADDRESS TO REACH US ON OR BEFORE THE DUE DATE SPECIFIED IN THE TENDER FORM (ENCLOSED).

PURCHASE & STORES OFFICER (PURCHASE)
ISRO TELEMETRY TRACKING AND COMMAND NETWORK (ISTRAC / ISRO)
PLOT NO.12 & 13, 3RD MAIN, 2ND PHASE
PEENYA INDUSTRIAL AREA,
BANGALORE-560 058 (KARNATAKA) , INDIA

- f. THE OFFERS SHOULD BE VALID FOR A MINIMUM PERIOD OF 120 DAYS FROM THE DUE DATE.
- g. OFFERS DULY AUTHENTICATED UNDER THE HAND AND SEAL OF THE COMPANY'S AUTHORISED PERSONNEL BE SENT AND NO FAX/TLX/CABLE/E-MAIL OFFERS WILL BE ACCEPTED.
- h. THE "TECHNICAL AND COMMERCIAL" PART WILL BE OPENED AT THE FIRST INSTANCE AND INCASE OF ANY CLARIFICATIONS/NEGOTIATIONS FOUND NECESSARY, THE SAME WILL BE SOUGHT FROM THE BIDDERS WITHOUT OPENING THE PRICE BID AND THEREAFTER THE PRICE BID WILL BE OPENED.
- I. IF PRICE CHANGE IS ENVISAGED DUE TO TECHNICAL CLARIFICATIONS/NEGOTIATIONS, YOU MAY BE GIVEN AN OPPORTUNITY (BEFORE OPENING THE PRICE BID AND WITHOUT REVEALING THE PRICES) EITHER TO CONFIRM OR TO SUBMIT THE REVISED OR SUPPLEMENTARY PRICE BID IN A SEALED ENVELOPE.
- j. LATE AND DELAYED TENDERS WILL NOT BE ACCEPTED.

/ISSDC-SDN/Indent-2009

Specifications for Meghatropiques Level-1 Processing Server

Specifications for Meghatropiques Level-1 Processing Server

Version: 2.0

Printed on: Friday, May 01, 2009

Contents

1	Quantity	1
2	System Configuration	1
3	Subsystems	2
4	Software	4
5	Quality Requirements	5
6	Installation & Commissioning	5
7	Warranty & Technical Support	6
8	Notes to the vendor	6

Spec Ref No	Specifications for Meghatropiques Level-1 Processing Server
0-1	Specifications for Meghatropiques Level-1 Processing Server
1	1 Quantity
1.1	1.1 Server
1.1.0-1	<ul style="list-style-type: none"> No of Servers = 5
1.1.0-2	<ul style="list-style-type: none"> Vendor has to quote for slab rates for 1 to 5 systems and 6 to 10 systems.
1.1.1	1.1.1 Specific Brand Server
1.1.1-1	<ul style="list-style-type: none"> Vendors should offer suitable servers only from the following make/brands
1.1.1-1.0-1	<ul style="list-style-type: none"> HP, IBM, SUN, DELL, FUJITSU
1.2	1.2 Software:
1.2.1	1.2.1 Operating System
1.2.1-1	<ul style="list-style-type: none"> OS Media = 5 Nos
1.2.1-2	<ul style="list-style-type: none"> Redhat Enterprise Linux (Latest version) Advanced Server(64-bit) edition with latest updates.
1.2.1-3	<ul style="list-style-type: none"> Vendor should quote the Operating System as a separate option.
1.2.2	1.2.2 Software Development Tools
1.2.2-1	<ul style="list-style-type: none"> Compilers = 5 Nos
1.2.2-2	<ul style="list-style-type: none"> Vendor should quote the unit price for Software Development Tool separately.
1.2.2-3	<ul style="list-style-type: none"> Intel C++ Compiler (Version 11) Professional Edition (with Math Kernel Library) in original Media CD/DVD for RHEL Advance Server 32-bit and 64-bit.
2	2 System Configuration
2.0-1	<ul style="list-style-type: none"> System configuration shall be realized with subsystems as per the specification indicated in section-3
2.1	2.1 Server
2.1.1	2.1.1 Processor
2.1.1.0-1	<ul style="list-style-type: none"> Number of Six Core Intel Xeon Processor = 4 Nos.
2.1.2	2.1.2 Hard disk
2.1.2.0-1	<ul style="list-style-type: none"> Number of 146 GB / 15K RPM SAS disk = 2 Nos.
2.1.3	2.1.3 Memory:
2.1.3.0-1	<ul style="list-style-type: none"> 32 GB DDR-2 667 MHz SDRAM with 4 GB DIMMs

Spec Ref No	Specifications for Meghatropiques Level-1 Processing Server
2.1.4	2.1.4 Fiber Channel Host Bus Adapter
2.1.4.0-1	<ul style="list-style-type: none"> Number of Fiber Channel HBA's = 2 Nos.
2.1.5	2.1.5 Network
2.1.5.0-1	<ul style="list-style-type: none"> As per specification mentioned in section 3.1.7
2.1.6	2.1.6 Software
2.1.6.0-1	<ul style="list-style-type: none"> Vendor shall quote for device drivers of all the subsystems, system management software, Utility software, plug-ins for enterprise system management software for latest version RedHat Enterprise Linux.
3	3 Subsystems
3.1	3.1 Processing Subsystem
3.1.0-1	<ul style="list-style-type: none"> The system architecture shall ensure maximum performance for data processing applications. The subsystems , the processor boards / blades, the interconnections among subsystems and the software shall be properly matched to ensure maximum performance.
3.1.0-2	<ul style="list-style-type: none"> The system architecture shall also assure high reliability and availability for the server. The internal architecture shall assure this reliability.
3.1.1	3.1.1 Physical
3.1.1.0-2	<ul style="list-style-type: none"> 19 inch Rack mountable unit with rack mount kit
3.1.2	3.1.2 Processor:
3.1.2.0-1	<ul style="list-style-type: none"> Processor Type : Six Core Intel Xeon x7460 processor (2.66 GHz)
3.1.3	3.1.3 RAM:
3.1.3.0-1	<ul style="list-style-type: none"> DDR-2 SDRAM, 667 MHz Memory
3.1.3.0-2	<ul style="list-style-type: none"> Advanced ECC support
3.1.3.0-3	<ul style="list-style-type: none"> Free Memory slots for further memory augmentation by additional 16GB
3.1.4	3.1.4 Storage:
3.1.4.1	3.1.4.1 Internal Storage
3.1.4.1.1	3.1.4.1.1 Controller for Disk Storage
3.1.4.1.1.0-1	<ul style="list-style-type: none"> 3G SAS Controller
3.1.4.1.1.0-2	<ul style="list-style-type: none"> RAID 0, 1, 1+0 support
3.1.4.1.1.0-3	<ul style="list-style-type: none"> Battery Backed Write Cache >= 256 MB
3.1.4.1.2	3.1.4.1.2 Internal Storage bay capability
3.1.4.1.2.0-1	<ul style="list-style-type: none"> 4 Hot-Plug Hard disk drive Bay

Spec Ref No	Specifications for Meghatropiques Level-1 Processing Server
3.1.4.1.2.0-2	<ul style="list-style-type: none"> For CDROM drive.
3.1.4.2	3.1.4.2 Storage Devices
3.1.4.2.1	3.1.4.2.1 Hard Disk
3.1.4.2.1.0-1	<ul style="list-style-type: none"> 146 GB SAS Drive, SFF Hot Plug
3.1.4.2.1.0-2	<ul style="list-style-type: none"> Interface : 3G SAS
3.1.4.2.1.0-3	<ul style="list-style-type: none"> Spindle Speed:>= 15000 RPM
3.1.4.2.2	3.1.4.2.2 DVD RW drive
3.1.4.2.2.0-1	<ul style="list-style-type: none"> DVD RW Drive
3.1.4.3	3.1.4.3 External Storage:
3.1.4.3.1	3.1.4.3.1 Fiber Channel Host Bus Adapter(For connection to Storage Array)
3.1.4.3.1.0-1	<ul style="list-style-type: none"> Speed 4Gbps full duplex operation.
3.1.4.3.1.0-2	<ul style="list-style-type: none"> Vendor should offer two independent PCI-E based HBA each providing single FC port.
3.1.4.3.1.0-3	<ul style="list-style-type: none"> HBA driver should support SAN path fail-over.
3.1.4.3.1.0-4	<ul style="list-style-type: none"> Compliant for connection to External Storage (Mass Storage Arrays) from reputed manufacturers of Storage Arrays
3.1.4.3.1.1	3.1.4.3.1.1 Compatibility with SAMQFS
3.1.4.3.1.1-1	<ul style="list-style-type: none"> The vendor should quote for suitable HBA to make sure the servers can be integrated with existing SAN Infrastructure (Cisco MDS 9513 Switch).
3.1.4.3.1.1-2	<ul style="list-style-type: none"> The vendor should offer for compatible HBA cards with SAMQFS solution to access SAN filesystem.
3.1.5	3.1.5 I/O Ports
3.1.5.0-1	<ul style="list-style-type: none"> PS/2 or USB Mouse port
3.1.5.0-2	<ul style="list-style-type: none"> PS/2 or USB Keyboard Port.
3.1.5.0-3	<ul style="list-style-type: none"> Serial Port > = 1
3.1.5.0-4	<ul style="list-style-type: none"> VGA Port = 1
3.1.5.0-5	<ul style="list-style-type: none"> USB Port = 2 (Front Panel Access preferred)
3.1.6	3.1.6 Video Controller
3.1.6.0-1	<ul style="list-style-type: none"> >= 16 MB DDR VRAM (Preferred)
3.1.6.0-2	<ul style="list-style-type: none"> Max resolution : 1024 x 768 at 75 Hz refresh rate
3.1.6.0-3	<ul style="list-style-type: none"> VGA port.

Spec Ref No	Specifications for Meghatropiques Level-1 Processing Server
3.1.7	3.1.7 Network
3.1.7.0-1	<ul style="list-style-type: none"> Two 10/100/1000 Base-Tx LAN ports
3.1.7.0-2	<ul style="list-style-type: none"> Network Interface Card should be PCI-Express / PCI-X type
3.1.7.0-3	<ul style="list-style-type: none"> Network Interface Card (NIC) shall be offered as two independent controllers providing 10/100/1000 Mbps port
3.1.7.0-4	<ul style="list-style-type: none"> Network interface card should be compatible with RedHat Linux for Channel bonding configuration for achieving automatic port fail-over
3.1.8	3.1.8 PCI Bus
3.1.8.0-1	<ul style="list-style-type: none"> PCI-Express(x4) Port >= 4 Nos
3.1.9	3.1.9 Cabinet Requirements
3.1.9.0-1	<ul style="list-style-type: none"> Adequate CPU cooling.
3.1.9.0-2	<ul style="list-style-type: none"> Adequate Cabinet cooling.
3.1.10	3.1.10 Power Requirements
3.1.10.0-1	<ul style="list-style-type: none"> Hot-Pluggable Power supply.
3.1.10.0-2	<ul style="list-style-type: none"> 220 volt/50 Hz Power Supply.
3.1.10.0-3	<ul style="list-style-type: none"> Redundant Power Supply
3.1.11	3.1.11 Regulatory Compliance
3.1.11.0-1	<ul style="list-style-type: none"> The system should comply to international standards for Safety, Noise, Electromagnetic Emissions, Electromagnetic Immunity etc.
4	4 Software
4.1	4.1 Software Products
4.1.1	4.1.1 Operating System
4.1.1-1	<ul style="list-style-type: none"> Redhat Enterprise Linux (Latest version) Advanced Server edition with latest updates in original CD/DVD
4.1.2	4.1.2 Software Development Tools
4.1.2-1	<ul style="list-style-type: none"> Intel C++ Compiler (Version 11) Professional Edition for Redhat Enterprise Linux (Advanced Server 64 Bit) in original CD/DVD media
4.2	4.2 Software Compliance
4.2.1	4.2.1 Operating System

Spec Ref No	Specifications for Meghatropiques Level-1 Processing Server
4.2.1.0-1	<ul style="list-style-type: none"> Redhat Enterprise Linux (Latest version) Advanced Server edition with latest updates, patches & bug fixes. In case the system is compatible with a lower version of Redhat Linux then the offer shall clearly indicate the version number. However, the offered version shall not be lower than Redhat Linux 4.0 AS edition.
4.2.1.0-2	<ul style="list-style-type: none"> Vendor should provide necessary documentation from the manufacturer in order to certify the compatibility of the system as configured by the vendor with the Version of the Linux O/S offered.
4.2.1.0-3	<ul style="list-style-type: none"> It is the responsibility of the Vendor to demonstrate compliance of the system with Linux during system acceptance.
4.2.1.0-4	<ul style="list-style-type: none"> It is the responsibility of the vendor to provide all the device drivers, server management softwares, utility softwares on linux platform in the form of CD MEDIA.
4.2.2	4.2.2 Software Development Tools
4.2.2.0-1	It is the responsibility of the Vendor to demonstrate the compliance of Software Development Tools with the offered hardware and OS.
5	5 Quality Requirements
5.0-1	<ul style="list-style-type: none"> The design and production of critical subsystems like system motherboard, controllers etc., shall be under the control of manufacturer & international quality certified realization process.
5.0-2	<ul style="list-style-type: none"> All subsystems of the system shall have been selected to achieve optimal performance and high reliability.
5.0-3	<ul style="list-style-type: none"> The manufacturer of the system shall be in total control of the lifecycle (Design, release, support, obsolescence and termination of the critical subsystems like motherboard, controllers etc.,). The manufacturer should assure that the offered product will be supported by manufacturer for next four years (after warranty period), if ISTRAC wishes to go for AMC support after warranty expires. The manufacturer's certification assuring the same should be enclosed with the offer.
5.0-4	<ul style="list-style-type: none"> The system should not be an obsolete product from the manufacturer. The manufacturer's certification should be enclosed with the offer.
5.0-5	<ul style="list-style-type: none"> Red Hat certification is required for the system offered.
6	6 Installation & Commissioning
6.0-1	<ul style="list-style-type: none"> Vendor should install & commission the systems as per the configuration at ISTRAC sites in Bangalore
6.0-2	<ul style="list-style-type: none"> System installation, commissioning is the sole responsibility of the vendor.
6.0-3	<ul style="list-style-type: none"> At the time of installation and commissioning of the configuration if it is found that some additional hardware accessories or software items with licenses are required to complete the configuration to meet the operational requirement of the configuration which were not included in the vendor's original list of deliverables then vendor is required to supply such items to ensure the completeness of the configuration at no extra cost to ISTRAC. Vendor should ensure completeness of the list of deliverables in the offer to avoid such discovery during installation.

Spec Ref No	Specifications for Meghatropiques Level-1 Processing Server
6.0-4	<ul style="list-style-type: none"> Vendor should resolve all issues related to compatibility of hardware, drivers, and other system software with RedHat.
6.1	6.1 SAN Integration
6.1-1	<ul style="list-style-type: none"> The servers have to be connected to the existing SAN at ISSDC, ISTRAC.
6.1-2	<ul style="list-style-type: none"> The servers should support the SAMQFS filesystem that is currently installed at ISSDC
6.1-3	<ul style="list-style-type: none"> Vendor should support the integration of the servers with the SAN and the SAMQFS filesystem at ISSDC
7	7 Warranty & Technical Support
7.0-1	<ul style="list-style-type: none"> On-site Comprehensive Warranty support for Hardware for 3 years.
7.0-2	<ul style="list-style-type: none"> Manufacturers support package for Warranty and technical support only should be quoted. The specific part number for such support should be clearly indicated. Vendor shall not replace manufacturers warranty with their own warranty package. However, the vendor can add their support package to the manufacturers support package to cover any additional support capabilities that are not available in the manufacturers support package.
7.0-3	<ul style="list-style-type: none"> Vendor shall note that failed Hard disk drives will not be returned back during warranty replacements. Only a part of the HDD can be taken back like HDD canister so as to prove the failed status of HDD to the manufacturer. The manufacturer's certification assuring the same should be enclosed with the offer.
7.0-4	<ul style="list-style-type: none"> Warranty should start from the date of acceptance of the full configuration.
7.0-5	<ul style="list-style-type: none"> Technical Support to cover the following
7.0-5.0-1	<ul style="list-style-type: none"> Access to technical support information for resolving problems, configuration issues, utilities etc.
7.0-5.0-2	<ul style="list-style-type: none"> Firmware & device drivers for RedHat Enterprise Linux AS (latest version).
7.0-5.0-3	<ul style="list-style-type: none"> Technical Assurance in trouble-shooting.
7.0-5.0-4	<ul style="list-style-type: none"> Access to technical literature relating to the system.
7.0-5.0-5	<ul style="list-style-type: none"> RedHat Linux support for 1 year.
8	8 Notes to the vendor
8.0-1	<ul style="list-style-type: none"> Vendor shall enclose a certificate from the manufacturer that vendor is authorized to quote for the offered product to ISTRAC and that the manufacturer will support the delivery and subsequent warranty.
8.0-2	<ul style="list-style-type: none"> Vendors should specifically note the restriction on the brands and offer servers from the specified brands/manufacturers only.
8.0-3	<ul style="list-style-type: none"> For all items in the list of deliverables offered by the vendor, the manufacturer's part number should be clearly indicated. Offer of items without clear specification of part number is not acceptable.

Spec Ref No	Specifications for Meghatropiques Level-1 Processing Server
8.0-4	<ul style="list-style-type: none"> Specifications of the major items have been provided in the enclosed document. In case any additional accessories/ software media/licenses are required to complete the configuration for full functionality and/or better manageability vendor should include such hardware accessories and related software elements or plug-ins to enterprise management software with licenses in their offer.
8.0-5	<ul style="list-style-type: none"> The Server and its subsystems should be latest products from the reputed manufacturers. Obsolete/retired/on the verge of obsolescence system/ subsystem should not be configured.
8.0-6	<ul style="list-style-type: none"> The systems will be deployed at Spacecraft Control Centers of ISTRAC and Space Application Center, Ahmedabad. The computer systems will be used for Spacecraft Control Operations of ISRO satellites . Vendor should offer only those products which can be installed for this purpose & have the necessary approvals from the manufacturer for such deployment.
8.0-7	<ul style="list-style-type: none"> In case the approval of any Foreign Govt. agency, like US dept. of commerce, is required for the supply of any of the items, vendor should clearly indicate the items requiring such clearance. For such items vendor should obtain strong assurance from the manufacturer regarding their commitment to follow-up through the necessary clearance process. A written assurance to this effect should be enclosed with the technical offer.
8.0-8	<ul style="list-style-type: none"> The system is intended to be used in mission Critical applications and shall be of high reliability and quality.
8.0-9	<ul style="list-style-type: none"> Vendor should provide technical brochure from manufacturer for all sub-systems to verify the current status (i.e. when released, whether due for replacement/obsolesce) the specification of the subsystems. The technical brochure shall give the details not only for the main system but also for all the subsystems and accessories. Technical brochure shall include details of <ul style="list-style-type: none"> Functional specification. Hardware & software configuration. Configuration options. Electrical & environmental specification. Safety compliance details. Physical dimension.
8.0-10	<ul style="list-style-type: none"> Vendor should indicate the part nos. of the deliverable items clearly. The part numbers & description of the items in the offer should match the part numbers & description of the items mentioned in the manufacturer's spec sheets.
8.0-11	<ul style="list-style-type: none"> The part numbers & description of the goods delivered should match the part numbers & description in the offer.
8.0-12	<ul style="list-style-type: none"> Cost for all the optional items mentioned in the ISTRAC Specification shall be indicated separately. This may be used to increase the order quantity in case ISTRAC decides to do so. Any applicable discount should be clearly indicated.
8.0-13	<ul style="list-style-type: none"> Vendor should provide a detailed technical compliance statement for the offered product. The compliance statement to be prepared in MS Excel (office '97 or later) as per the template provided and to be submitted in a softcopy and signed hardcopy with the offer.
8.0-14	<ul style="list-style-type: none"> Vendor has to submit the technical part of the quote and the commercial part of the quote in separate sealed covers.

Technical Compliance Record

Important: Study note on submitting compliance before filling this technical compliance sheet.					
Purchase File Ref:		TRSO 2009000035			
Vendor ID:					
Offer Identifier:					
Spec Ref No	Megatropiques Level-1 Processing Server	Compliance Status	Part Number Ref. In BOM	Documentation Ref.	Remarks
1	<input type="checkbox"/> Quantity				
1.1	<input type="checkbox"/> Server				
1.1.0-1	· <input type="checkbox"/> No of Servers = 5				
1.1.0-2	· <input type="checkbox"/> Vendor has to quote for slab rates for 1 to 5 systems and 6 to 10 systems.				
1.1.1	<input type="checkbox"/> Specific Brand Server				
1.1.1-1	<input type="checkbox"/> Vendors should offer suitable servers only from the following make/brands				
1.1.1-1.0-1	<input type="checkbox"/> HP, IBM, SUN, DELL, FUJITSU				
1.2	<input type="checkbox"/> Software:				
1.2.1	<input type="checkbox"/> Operating System				
1.2.1-1	<input type="checkbox"/> OS Media = 5 Nos				
1.2.1-2	· <input type="checkbox"/> Redhat Enterprise Linux (Latest version) Advanced Server(64-bit) edition with latest updates.				
1.2.1-3	<input type="checkbox"/> Vendor should quote the Operating System as a separate option.				
1.2.2	<input type="checkbox"/> Software Development Tools				
1.2.2-1	<input type="checkbox"/> Compilers = 5 Nos				
1.2.2-2	<input type="checkbox"/> Vendor should quote the unit price for Software Development Tool separately. <input type="checkbox"/>				
1.2.2-3	<input type="checkbox"/> Intel C++ Compiler (Version 11) Professional Edition (with Math Kernel Library) in original Media CD/DVD for RHEL Advance Server 32-bit and 64-bit.				
2	<input type="checkbox"/> System Configuration				
2.0-1	· <input type="checkbox"/> System configuration shall be realized with subsystems as per the specification indicated in section-3				
2.1	<input type="checkbox"/> Server				
2.1.1	<input type="checkbox"/> Processor				
2.1.1.0-1	· <input type="checkbox"/> Number of Six Core Intel Xeon Processor = 4 Nos.				
2.1.2	<input type="checkbox"/> Hard disk				
2.1.2.0-1	· <input type="checkbox"/> Number of 146 GB / 15K RPM SAS disk = 2 Nos.				
2.1.3	<input type="checkbox"/> Memory:				
2.1.3.0-1	· <input type="checkbox"/> 32 GB DDR-2 667 MHz SDRAM with 4 GB DIMMs				
2.1.4	<input type="checkbox"/> Fiber Channel Host Bus Adapter				
2.1.4.0-1	· <input type="checkbox"/> Number of Fiber Channel HBA's = 2 Nos.				
2.1.5	<input type="checkbox"/> Network				
2.1.5.0-1	· <input type="checkbox"/> As per specification mentioned in section 3.1.7				
2.1.6	<input type="checkbox"/> Software				
2.1.6.0-1	· <input type="checkbox"/> Vendor shall quote for device drivers of all the subsystems, system management software, Utility software, plug-ins for enterprise system management software for latest version RedHat Enterprise Linux.				
3	<input type="checkbox"/> Subsystems				
3.1	<input type="checkbox"/> Processing Subsystem				
3.1.0-1	<input type="checkbox"/> The system architecture shall ensure maximum performance for data processing applications. The subsystems , the processor boards / blades, the interconnections among subsystems and the software shall be properly matched to ensure maximum performance.				
3.1.0-2	<input type="checkbox"/> The system architecture shall also assure high reliability and availability for the server. The internal architecture shall assure this reliability.				
3.1.1	<input type="checkbox"/> Physical				
3.1.1.0-2	<input type="checkbox"/> 19 inch Rack mountable unit with rack mount kit				

Technical Compliance Record

Purchase File Ref:		TRSO 2009000035			
Vendor ID:					
Offer Identifier:					
Spec Ref No	Megatropiques Level-1 Processing Server	Compliance Status	Part Number Ref. In BOM	Documentation Ref.	Remarks
3.1.2	Processor:				
3.1.2.0-1	Processor Type : Six Core Intel Xeon x7460 processor (2.66 GHz)				
3.1.3	RAM:				
3.1.3.0-1	DDR-2 SDRAM, 667 MHz Memory				
3.1.3.0-2	Advanced ECC support				
3.1.3.0-3	Free Memory slots for further memory augmentation by additional 16GB				
3.1.4	Storage:				
3.1.4.1	Internal Storage				
3.1.4.1.1	Controller for Disk Storage				
3.1.4.1.1.0-1	3G SAS Controller				
3.1.4.1.1.0-2	RAID 0, 1, 1+0 support				
3.1.4.1.1.0-3	Battery Backed Write Cache >= 256 MB				
3.1.4.1.2	Internal Storage bay capability				
3.1.4.1.2.0-1	4 Hot-Plug Hard disk drive Bay				
3.1.4.1.2.0-2	For CDROM drive.				
3.1.4.2	Storage Devices				
3.1.4.2.1	Hard Disk				
3.1.4.2.1.0-1	146 GB SAS Drive, SFF Hot Plug				
3.1.4.2.1.0-2	Interface : 3G SAS				
3.1.4.2.1.0-3	Spindle Speed:>= 15000 RPM				
3.1.4.2.2	DVD RW drive				
3.1.4.2.2.0-1	DVD RW Drive				
3.1.4.3	External Storage:				
3.1.4.3.1	Fiber Channel Host Bus Adapter(For connection to Storage Array)				
3.1.4.3.1.0-1	Speed 4Gbps full duplex operation.				
3.1.4.3.1.0-2	Vendor should offer two independent PCI-E based HBA each providing single FC port.				
3.1.4.3.1.0-3	HBA driver should support SAN path fail-over.				
3.1.4.3.1.0-4	Compliant for connection to External Storage (Mass Storage Arrays) from reputed manufacturers of Storage Arrays				
3.1.4.3.1.1	Compatibility with SAMQFS				
3.1.4.3.1.1-1	The vendor should quote for suitable HBA to make sure the servers can be integrated with existing SAN Infrastructure (Cisco MDS 9513 Switch).				
3.1.4.3.1.1-2	The vendor should offer for compatible HBA cards with SAMQFS solution to access SAN filesystem.				
3.1.5	I/O Ports				
3.1.5.0-1	PS/2 or USB Mouse port				
3.1.5.0-2	PS/2 or USB Keyboard Port.				
3.1.5.0-3	Serial Port > = 1				
3.1.5.0-4	VGA Port = 1				
3.1.5.0-5	USB Port = 2 (Front Panel Access preferred)				
3.1.6	Video Controller				
3.1.6.0-1	>= 16 MB DDR VRAM (Preferred)				
3.1.6.0-2	Max resolution : 1024 x 768 at 75 Hz refresh rate				
3.1.6.0-3	VGA port.				
3.1.7	Network				
3.1.7.0-1	Two 10/100/1000 Base-Tx LAN ports				
3.1.7.0-2	Network Interface Card should be PCI-Express / PCI-X type				
3.1.7.0-3	Network Interface Card (NIC) shall be offered as two independent controllers providing 10/100/1000 Mbps port				

Technical Compliance Record

Purchase File Ref:		TRSO 2009000035			
Vendor ID:					
Offer Identifier:					
Spec Ref No	Megatropiques Level-1 Processing Server	Compliance Status	Part Number Ref. In BOM	Documentation Ref.	Remarks
3.1.7.0-4	<input type="checkbox"/> Network interface card should be compatible with RedHat Linux for Channel bonding configuration for achieving automatic port fail-over				
3.1.8	<input type="checkbox"/> PCI Bus				
3.1.8.0-1	<input type="checkbox"/> PCI-Express(x4) Port >= 4 Nos				
3.1.9	<input type="checkbox"/> Cabinet Requirements				
3.1.9.0-1	<input type="checkbox"/> Adequate CPU cooling.				
3.1.9.0-2	<input type="checkbox"/> Adequate Cabinet cooling.				
3.1.10	<input type="checkbox"/> Power Requirements				
3.1.10.0-1	<input type="checkbox"/> Hot-Pluggable Power supply.				
3.1.10.0-2	<input type="checkbox"/> 220 volt/50 Hz Power Supply.				
3.1.10.0-3	<input type="checkbox"/> Redundant Power Supply				
3.1.11	<input type="checkbox"/> Regulatory Compliance				
3.1.11.0-1	<input type="checkbox"/> The system should comply to international standards for Safety, Noise, Electromagnetic Emissions, Electromagnetic Immunity etc.				
4	<input type="checkbox"/> Software				
4.1	<input type="checkbox"/> Software Products				
4.1.1	<input type="checkbox"/> Operating System				
4.1.1-1	<input type="checkbox"/> Redhat Enterprise Linux (Latest version) Advanced Server edition with latest updates in original CD/DVD				
4.1.2	<input type="checkbox"/> Software Development Tools				
4.1.2-1	<input type="checkbox"/> Intel C++ Compiler (Version 11) Professional Edition for Redhat Enterprise Linux (Advanced Server 64 Bit) in original CD/DVD media				
4.2	<input type="checkbox"/> Software Compliance				
4.2.1	<input type="checkbox"/> Operating System				
4.2.1.0-1	<input type="checkbox"/> Redhat Enterprise Linux (Latest version) Advanced Server edition with latest updates, patches & bug fixes. In case the system is compatible with a lower version of Redhat Linux then the offer shall clearly indicate the version number. However, the offered version shall not be lower than Redhat Linux 4.0 AS edition.				
4.2.1.0-2	<input type="checkbox"/> Vendor should provide necessary documentation from the manufacturer in order to certify the compatibility of the system as configured by the vendor with the Version of the Linux O/S offered.				
4.2.1.0-3	<input type="checkbox"/> It is the responsibility of the Vendor to demonstrate compliance of the system with Linux during system acceptance. <input type="checkbox"/>				
4.2.1.0-4	<input type="checkbox"/> It is the responsibility of the vendor to provide all the device drivers, server management softwares, utility softwares on linux platform in the form of CD MEDIA.				
4.2.2	<input type="checkbox"/> Software Development Tools				
4.2.2.0-1	<input type="checkbox"/> It is the responsibility of the Vendor to demonstrate the compliance of Software Development Tools with the offered hardware and OS.				
5	<input type="checkbox"/> Quality Requirements				
5.0-1	<input type="checkbox"/> The design and production of critical subsystems like system motherboard, controllers etc., shall be under the control of manufacturer & international quality certified realization process.				
5.0-2	<input type="checkbox"/> All subsystems of the system shall have been selected to achieve optimal performance and high reliability. <input type="checkbox"/>				

Technical Compliance Record

Purchase File Ref:		TRSO 2009000035			
Vendor ID:					
Offer Identifier:					
Spec Ref No	Megatropiques Level-1 Processing Server	Compliance Status	Part Number Ref. In BOM	Documentation Ref.	Remarks
5.0-3	<input type="checkbox"/> The manufacturer of the system shall be in total control of the lifecycle (Design, release, support, obsolescence and termination of the critical subsystems like motherboard, controllers etc.). The manufacturer should assure that the offered product will be supported by manufacturer for next four years (after warranty period), if ISTRAC wishes to go for AMC support after warranty expires. The manufacturer's certification assuring the same should be enclosed with the offer.				
5.0-4	<input type="checkbox"/> The system should not be an obsolete product from the manufacturer. The manufacturer's certification should be enclosed with the offer. <input type="checkbox"/>				
5.0-5	<input type="checkbox"/> Red Hat certification is required for the system offered.				
6	<input type="checkbox"/>Installation & Commissioning				
6.0-1	<input type="checkbox"/> Vendor should install & commission the systems as per the configuration at ISTRAC sites in Bangalore				
6.0-2	<input type="checkbox"/> System installation, commissioning is the sole responsibility of the vendor.				
6.0-3	<input type="checkbox"/> At the time of installation and commissioning of the configuration if it is found that some additional hardware accessories or software items with licenses are required to complete the configuration to meet the operational requirement of the configuration which were not included in the vendor's original list of deliverables then vendor is required to supply such items to ensure the completeness of the configuration at no extra cost to ISTRAC. Vendor should ensure completeness of the list of deliverables in the offer to avoid such discovery during installation.				
6.0-4	<input type="checkbox"/> Vendor should resolve all issues related to compatibility of hardware, drivers, and other system software with RedHat.				
6.1	<input type="checkbox"/>SAN Integration				
6.1-1	<input type="checkbox"/> The servers have to be connected to the existing SAN at ISSDC, ISTRAC.				
6.1-2	<input type="checkbox"/> The servers should support the SAMQFS filesystem that is currently installed at ISSDC				
6.1-3	<input type="checkbox"/> Vendor should support the integration of the servers with the SAN and the SAMQFS filesystem at ISSDC				
7	<input type="checkbox"/>Warranty & Technical Support				
7.0-1	<input type="checkbox"/> On-site Comprehensive Warranty support for Hardware for 3 years.				
7.0-2	<input type="checkbox"/> Manufacturers support package for Warranty and technical support only should be quoted. The specific part number for such support should be clearly indicated. Vendor shall not replace manufacturers warranty with their own warranty package. However, the vendor can add their support package to the manufacturers support package to cover any additional support capabilities that are not available in the manufacturers support package.				
7.0-3	<input type="checkbox"/> Vendor shall note that failed Hard disk drives will not be returned back during warranty replacements. Only a part of the HDD can be taken back like HDD canister so as to prove the failed status of HDD to the manufacturer.The manufacturer's certification assuring the same should be enclosed with the offer.				
7.0-4	<input type="checkbox"/> Warranty should start from the date of acceptance of the full configuration.				
7.0-5	<input type="checkbox"/> Technical Support to cover the following				
7.0-5.0-1	<input type="checkbox"/> Access to technical support information for resolving problems, configuration issues, utilities etc.				

Technical Compliance Record

Purchase File Ref:		TRSO 2009000035			
Vendor ID:					
Offer Identifier:					
Spec Ref No	Megatropiques Level-1 Processing Server	Compliance Status	Part Number Ref. In BOM	Documentation Ref.	Remarks
7.0-5.0-2	<input type="checkbox"/> Firmware & device drivers for RedHat Enterprise Linux AS (latest version).				
7.0-5.0-3	<input type="checkbox"/> Technical Assurance in trouble-shooting.				
7.0-5.0-4	<input type="checkbox"/> Access to technical literature relating to the system.				
7.0-5.0-5	<input type="checkbox"/> RedHat Linux support for 1 year.				
8	<input type="checkbox"/> Notes to the vendor				
8.0-1	<input type="checkbox"/> Vendor shall enclose a certificate from the manufacturer that vendor is authorized to quote for the offered product to ISTRAC and that the manufacturer will support the delivery and subsequent warranty.				
8.0-2	<input type="checkbox"/> Vendors should specifically note the restriction on the brands and offer servers from the specified brands/manufacturers only.				
8.0-3	<input type="checkbox"/> For all items in the list of deliverables offered by the vendor, the manufacturer's part number should be clearly indicated. Offer of items without clear specification of part number is not acceptable.				
8.0-4	<input type="checkbox"/> Specifications of the major items have been provided in the enclosed document. In case any additional accessories/ software media/licenses are required to complete the configuration for full functionality and/or better manageability vendor should include such hardware accessories and related software elements or plug-ins to enterprise management software with licenses in their offer.				
8.0-5	<input type="checkbox"/> The Server and its subsystems should be latest products from the reputed manufacturers. Obsolete/retired/on the verge of obsolescence system/ subsystem should not be configured.				
8.0-6	<input type="checkbox"/> The systems will be deployed at Spacecraft Control Centers of ISTRAC and Space Application Center, Ahmedabad. The computer systems will be used for Spacecraft Control Operations of ISRO satellites . Vendor should offer only those products which can be installed for this purpose & have the necessary approvals from the manufacturer for such deployment.				
8.0-7	<input type="checkbox"/> In case the approval of any Foreign Govt. agency, like US dept. of commerce, is required for the supply of any of the items, vendor should clearly indicate the items requiring such clearance. For such items vendor should obtain strong assurance from the manufacturer regarding their commitment to follow-up through the necessary clearance process. A written assurance to this effect should be enclosed with the technical offer.				
8.0-8	<input type="checkbox"/> The system is intended to be used in mission Critical applications and shall be of high reliability and quality.				
8.0-9	<input type="checkbox"/> Vendor should provide technical brochure from manufacturer for all sub-systems to verify the current status (i.e. when released, whether due for replacement/obsolesce) the specification of the subsystems. The technical brochure shall give the details not only for the main system but also for all the subsystems and accessories. Technical brochure shall include details of <input type="checkbox"/> Functional specification. <input type="checkbox"/> Hardware & software configuration. <input type="checkbox"/> Configuration options. <input type="checkbox"/> Electrical & environmental specification. <input type="checkbox"/> Safety compliance details. <input type="checkbox"/> Physical dimension.				
8.0-10	<input type="checkbox"/> Vendor should indicate the part nos. of the deliverable items clearly. The part numbers & description of the items in the offer should match the part numbers & description of the items mentioned in the manufacturer's spec sheets.				

Technical Compliance Record

Purchase File Ref:		TRSO 2009000035			
Vendor ID:					
Offer Identifier:					
Spec Ref No	Megatropiques Level-1 Processing Server	Compliance Status	Part Number Ref. In BOM	Documentation Ref.	Remarks
8.0-11	<input type="checkbox"/> The part numbers & description of the goods delivered should match the part numbers & description in the offer.				
8.0-12	<input type="checkbox"/> Cost for all the optional items mentioned in the ISTRAC Specification shall be indicated separately. This may be used to increase the order quantity in case ISTRAC decides to do so. Any applicable discount should be clearly indicated.				
8.0-13	<input type="checkbox"/> Vendor should provide a detailed technical compliance statement for the offered product. The compliance statement to be prepared in MS Excel (office '97 or later) as per the template provided and to be submitted in a softcopy and signed hardcopy with the offer.				
8.0-14	<input type="checkbox"/> Vendor has to submit the technical part of the quote and the commercial part of the quote in separate sealed covers.				

Instructions for filling the **Technical Compliance Record**

1. Submission of **Technical Compliance Record** is mandatory. Applicable technical compliance record template is provided with the specification document.
2. Technical compliance record should be submitted as a soft-copy in MS EXCEL format and a signed hard-copy.
3. Vendor should fill the **Technical Compliance Record** completely. Offers received with incomplete entries in **Technical Compliance Record** are liable to be rejected.
4. Vendor should submit separate technical compliance record for each offer submitted by them against the enquiry from ISTRAC.
5. For the **Vendor-ID** field enter the company name & address of the vendor.
6. For the **Offer Identifier** field enter a unique identifier. This identifier should be unique for each offer incase multiple offers are submitted.
7. **Instructions for filling the Compliance Status column:**
 - a. For each row in the technical compliance record (For each spec ref, no. entry) enter the appropriate value in the associated compliance status field. Permitted values are: Complied, Not-Complied.
 - b. In case a Not-Complied entry is made against a specific *Spec. Ref. No.*, this should be reflected at all higher levels in the *Spec. Ref. No.* hierarchy associated with that *Spec. Ref. No.*
 - c. In case of partial compliance you have to enter as Not-Complied.
 - d. In all cases where a Not-Complied entry is made for a *Spec. Ref. No* enter in the associated *Remarks* field the reason for non-compliance.
8. **Instructions for filling the Part Number Reference in BOM Column:**
 - a. Entry of **Part Number Reference in BOM is mandatory** for the sections on Sub-systems/ Components specification (*Spec. Ref. No* 3 and its lower levels) and Software (*Spec. Ref. No* 4 and its lower levels). For other sections, vendor can choose to provide the information wherever applicable.

- b. For each *Spec. Ref. No.*, the relevant part number of the system / subsystem / item which is assuring the compliance to the associated specification is to be provided. This information can be provided either by entering the associated part number against each *Spec. Ref. No.* or by entering the associated part number at an appropriate level in the specification hierarchy.
- c. In case the part number is entered at a higher level in the specification hierarchy and no part number is entered at the lower levels for the associated *Spec. Ref. No.* then the part number will be considered as applicable for the lower levels.
- d. All part numbers in the BOM should be referenced against one or more *Spec. Ref. Nos.* in the ***Technical Compliance Record***

9. Instructions for filling the *Documentation Ref* Column:

- a. Against each *Spec. Ref. No.* enter the reference to the supporting technical documentation/ details provided in the offer. Indicate the page number and section identifier in the vendor's offer documentation. (Vendor should make sure that their documentation is organized sequentially with page number marking)
- b. In case the reference to the documentation is entered in the higher level of the specification hierarchy & no documentation reference is entered at lower levels for the associated *Spec. Ref. No.* then the documentation ref. will be considered as applicable for the lower levels.
- c. For each part number entered in the ***Technical Compliance Record/ BOM*** the documentation reference detail must be provided.

10. Instructions for filling the *Remarks* Column:

- a. Provide key technical detail of the system/ sub-system/ item that validates the compliance status information provided.
- b. Any other information that the vendor wishes to highlight.

11. Instructions for providing technical compliance record data for component level / sub-system level options within a single offer.

- a. In case where a vendor is providing alternate options at component level or subsystem level within an offer, the applicable sub-sections of the specification from the template shall be copied to a separate section at the end of the technical compliance record template and the required detail filled in.
- b. For each alternative a separate sub-section shall be created with appropriate title.

INSTRUCTIONS TO TENDERERS

1. Tenders should be sent in sealed envelopes superscribing the relevant Tender No. and the due date of opening. Only one tender should be sent in each envelope.
2. Late / delayed tender will not be considered.
3. Sales Tax and / or other duties / levies where legally leviable and intended to be claimed should be distinctly shown separately in the tender.
4. As a Government of India Department, this office is exempted from the payment of octroi and similar local levies, Tenderers shall ensure that necessary exemption certificates are obtained by them from the Purchase & Stores Officer (Purchase) concerned to avoid any payment of such levies.
5. (a) Your quotation should be valid for 120 days from the date of opening of the tender.
(b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form relationship between the two sets of units must be furnished.
6. Preference will be given to those tenders offering supplies from ready stocks and on the basis of FOR destination/delivery at site.
7. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
(b) Samples, if called for, should be submitted free of all charges by the tenderer and Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of tender, the tenderer will have to remove the samples at his own expenses.
(c) Approximate net and gross weight of the items offered shall be indicated in your offer, if dimensional details are available, the same should also be indicated in your offer.
(d) Specifications: Stores offered should strictly conform to our specifications. Deviation, if any, should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and sample, whatever necessary along with the quotation. Test certificates wherever necessary should be forwarded along with supplies. Whenever options are called for in your specification, the tenderer, should address all such options, wherever specifically mentioned by us. The tenderer could suggest changes to specifications with appropriate justification in response for the same.
8. The Purchaser shall be under no obligation to accept the lowest or any tender and reserves the right to acceptance of the whole or part of the tender or portion of the quantity offered and tenderer shall supply the same at the rates quoted.
9. Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.
10. The tenderer should supply along with his tender the name of his bankers as well as the latest Income Tax clearance certificate duly countersigned by the Income Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.
11. The Purchaser reserves the right to place order on the successful tenderers for additional quantity upto 25% of the quantity offered by them at the rates quoted.
12. The authority of the person Signing the tender, if called for, should be produced.
13. The purchaser reserves the options to give price preference to the offers from the public sector units etc. over those from other firms, in accordance with the policies of the Govt. from time to time.
14. For outstation supplies, the consignments shall be despatched by the Supplier through the reliable & reputed transporters who are recognised by Bankers Association, on Door Delivery basis.

TERMS AND CONDITIONS OF THE CONTRACT

1. Definitions:

- a) The term 'Purchaser' shall mean the President of India or his successors or assigns.
- b) The terms 'Contractor' shall mean the person, firm or company with whom or with which the order for the supply of stores is placed and shall be deemed to include the Contractor's Successors, representatives, heirs, executors and administrators unless excluded by the Contract.
- c) The 'Stores' shall mean, what Contractor agrees to supply under the contract as specified in the Purchase Order including erection of plants and machinery and subsequent testing, should such a condition be included in the Purchase Order.

The term 'Purchase Officer' shall mean, the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

2. Prices:

Tenders offering firm prices will be preferred. Where a price variation clause is insisted upon by a tender quotations with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variations.

3. Security Deposit:

On acceptance of tender, the contractor shall, at the option of the Purchaser and within the period specified by him deposit with him, in case or in any other form as the purchaser may determine, Security deposit not exceeding ten percent of the value of the contract as the purchaser shall specify. If the contractor is called upon by the purchaser to deposit 'Security' and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the contract and the purchaser shall be entitled to make other arrangements for the re-purchase of the stores contracted for at the risk of the contractor in terms of Sub-Clause (II) and (III) of clause 10 (b) here-of and or to recover from the contractor damages arising from such cancellation.

4. Guarantee & Replacement:

- a) The contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance.
- b) For a period of twelve months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use arising from faulty stores, designs or workmanship, contractor shall rectify such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the Purchaser who shall state in writing in that respect the stores or any part thereof are faulty.

- c) If in the opinion of the Purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the Purchaser provided the notice informing the contractor of such defect is given by the purchaser in this regard within the said period of 14 months from the date of acceptance thereof.
- d) Should be the contractor fail to rectify the defects the Purchaser shall have the right to reject or replace at the cost of the Contractor the whole or any portion of the defective stores.
- e) The decision of the purchaser, notwithstanding any prior approval or acceptance or inspection thereof on behalf of the purchaser, as to whether or not the stores supplied by the contractor are defective or any defects have developed within the said period of 12 months or as to whether the nature of the defects requires renewal or replacement shall be final, exclusive, and binding on the contractor.
- f) To fulfill guarantee conditions outlines in Clause 4 (a) to (e) above, the contractor shall at the option of the purchaser, furnish a Bank Guarantee (as prescribed by the Purchaser) from a Bank approved by the purchaser for an amount equivalent to 10% of value of the Contract along with first shipment documents. On the performance and completion of the Contract in all respects, the Bank Guarantee will be returned to the Contractor without any interest.

5. Packing forwarding & Insurance:

The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of package shall be done by and at the expense of the Contractor. The Purchaser will not pay for (will not pay separately for transit insurance) all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition, in accordance with contract.

6. Despatches:

The Contractor is responsible for obtaining a clear receipt from the transport authorities specifying the goods despatched. The Consignment should be despatched with clear Railway Receipt / Lorry Receipt. If sent in any other mode it is at the risk of the Contractor, Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on 'said to contain' basis. Purchaser pay for only such stores as are actually received by them in accordance with the contract.

7. Test Certificate:

Wherever required, test certificate should be sent alongwith the despatch documents.

8. Acceptance of Stores:

- a) The stores shall be offered by the contractor for inspection at such places as may be specified by the Purchaser at the Contractor's own risk, expense and cost.
- b) It is expressly agreed that the acceptance of the Stores are further subjected to final approval by the Purchaser, whose decision shall be final.

- c) If in the opinion of the Purchaser that all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the Purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor.
- d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. 8 (c) above, the Purchaser shall be at liberty, with or without notice to the contractor to Purchase in the open market at the expense of the Contractor, stores meeting the necessary performance and quality contracted for in place of those rejected, provided that either the Purchaser, or the agreement to purchase, from the another supplier is made within six months from the date of rejection of the stores as aforesaid.

9. Rejected Stores:

Rejected Stores will remain at destination at the contractor's risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has at his discretion the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense freight being payable by the Contractor at actuals.

10. Delivery:

- a) The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the contract, and delivery must be completed on or before the specified dates.
- b) Should the Contractor fails to deliver the stores of any consignment thereof within the period prescribed of such delivery, the purchaser shall be entitled at his own option either.
 - i) To recover from the Contractor as agreed liquidated damages and not by way of penalty a sum of 2% of the price of any stores which the Contractor has failed to deliver as aforesaid, for each month or part of a month, during which the delivery of such stores may be in arrears, or;
 - ii) To purchase elsewhere, without notice to the contractor on the account and at the risk of the contractor the stores not delivered or others of similar description (where others exactly complying with particulars are not, in the opinion of the purchaser readily procurable such opinion being final) without cancelling the contract in respect of the consignment (s) not yet due for delivery, or
 - iii) To cancel the contract or portion thereof, and if so desired to purchase or authorise of stores not so delivered or others of similar description (where others exactly complying with the particulars are not, in the opinion of the readily procurable; such opinion final) at the risk and cost of Contractor. In the event of action being taken under sub-clause (ii) & (iii) of clause 10 above the Contractor shall be liable for any loss which the purchaser may sustain on that account, provided that the repurchase, or if there is an agreement to repurchase then such agreement is made within six months from the date of such failure. But the contractor shall not be entitled to any gain on such repurchase made against

default. The manner and method of such repurchase shall be at the discretion of the Purchaser, whose decision shall be final. It shall not be necessary for the Purchaser to serve a notice of such repurchase on the defaulting Contractor. This right shall be without prejudice to the right of the Purchaser to recover damages for breach of contract by the Contractor.

11. Extension of time:

As soon as it is apparent that contract dates cannot be adhered to, an application shall be sent by the Contractor to the Purchaser. If failure on the part of the Contractor to deliver the stores in proper times shall have arisen from any cause which the Purchaser may admit as responsible ground for an extension of the time (and his decision shall be final) he may allow such additional time as he considered it to be justified by circumstances of the case without prejudice to the Purchaser's rights to recover liquidated damages under clause 10 here of.

12. Erection of Plant & Machinery:

Wherever erection of a Plant or Machinery is the responsibility of the Contractor as per the terms of the Contract and in case the Contractor fails to carry out the erection as and when called upon to do so within the period specified by the Purchaser, the Purchaser shall have the right to get the erection done through any source of his choice. In such an event, the contractor shall be liable to bear any additional expenditure that the Purchaser is liable to incur towards erection. The contractor shall however, not be entitled to any gain due to such an action by the Purchaser.

13. Payment:

Contractor's bill will be passed for payment only after the stores have been received, inspected and accepted by the Purchaser.

14. Mode of Payment:

Normally payment will be made for the accepted stores within 30 days from the date of receipt of the materials.

15. Recovery of sums due:

Whenever any claim for the payment of whether liquidated or not, moneys arises out of or under his contract against the Contractor, the Purchaser shall be entitled to recover such sum by appropriating in part or whole, the security deposited by the Contractor, if a security is taken against the Contract.

In the event of the security being insufficient or if no security has been taken from the contractor, then the balance or the total sum recoverable, as the case may be shall be deducted from any such then due or which at any time thereafter may become due to the Contractor under this or any other contract with the Purchaser. Should this sum be not sufficient to cover the full amount

recoverable, the contractor shall pay to the Purchaser on demand the remaining balance due. Similarly if the Purchaser has or makes any claims, whether liquidated or not, against the contractor under any other contract with the Purchaser, the payment of all moneys payable under the contract to the contractor including the security deposit shall be with-held till such claims of the Purchaser are finally adjudicated upon and paid by the Contractor.

16. Indemnity:

The Contractor shall warrant and be deemed to have warranted that all stores supplied against this contract are free and clean of infringement of any Patent, copyright or trade mark, and shall at all times indemnify the Purchaser against all claims which may be made in respect of the stores or infringement of any right protected by patent, Registration or design or Trade Mark and shall take all risk of accidents of damage which may cause a failure of the supply from whatever cause arising and entire responsibility for sufficiency of all the means used by him for the fulfilment of the Contract.

17. Arbitration:

In the event of any question, dispute or difference arising under these conditions contained in the Purchase Order in connection with this contract, (except as to any matters the decision of which is specially provided for by these conditions) the same shall be referred to the sole arbitration of the Head of Office or of some other person appointed by him. It will be no objection that the arbitrator is a Government servant, that he had to deal with matter to which the contract relates or that in the course of his duties as a Government servant he has expressed views on all or any or any of the matters in dispute or difference. The award of the arbitrator shall be final and binding on the parties of this contract.

- a) If the arbitrator be the Head of Office (i) in the event of his being transferred or vacating his office by resignation or otherwise, it shall be lawful for his successor - in office either to proceed with the reference himself, or to appoint another person as arbitrator , or (ii) in the event of his being unwilling or unable to act for any reason, it shall be lawful for the Head of Office to appoint another person as arbitrator, or,
- b) If the arbitrator be a person appointed by the Head of Office:

In the event of his dying, neglecting or refusing to act, or resigning or being unable to act, for any reason, it shall be lawful for the Head of Office either to proceed with the reference himself or to appoint another person as arbitrator in place of the outgoing arbitrator.

Subject as aforesaid, "The Arbitration and Conciliation Act 1996 and the rules thereunder and any statutory modifications thereof or the time being in force shall be deemed to apply the arbitration proceedings under this clause. The Arbitrator shall have the power to extend with the consent of the Purchaser and the Contractor the time for making and publishing the award. The venue of arbitration shall be the place as purchaser in his absolute discretion may determine. Work under the Contract shall, if reasonably possible continue during Arbitration Proceedings.

18. Counter Terms and Conditions of Supplies:

Where counter terms and conditions/printed cyclostyled conditions have been offered by the supplier, the same shall not be deemed to have been accepted by the Purchaser, unless specific written acceptance thereof is obtained.

19. Security for Purchaser's Materials:

Successful tenderer will have to furnish in the form of a bank guarantee or in and other form as called for by the purchaser towards adequate security for the materials/property provided by the purchaser for the due execution of the contract.

TENDER FORM

From:

Tender No. **TRSO 2009 000 035 – 01**
(DUAL PART TENDER)

Due on **07 / 07 / 2009** upto 3.00 PM

Purchase & Stores Officer (PURCHASE)
ISTRAC/ISRO , Plot No.12 & 13, 3rd Main 2nd Phase
Peenya Industrial Area,
Bangalore-560 058 (Karnataka)

Tenderer 's Ref.:

Date:

Dear Sir,

I/We hereby offer to supply the stores detailed below at the price hereunder quoted and agree to hold the offer open till I/We shall be bound to supply the stores hereby offered upon the issue of the Purchase Order/Contract/Agreement communicating the acceptance thereof on or before the expiry of the last mentioned date. You are liberty to accept any one of the items of stores tendered for or any portion of any one or more of the items of such stores. I/We notwithstanding that the offer in this tender has not been accepted in whole shall be bound to supply to you such items and such portions of one or more of the items as may be specified in said Purchase Order communicating the acceptance.

Sl. No.	Description	Unit	Qty.	Unit Rate	Delivery Date
---------	-------------	------	------	-----------	---------------

Rs.

(Note: All the rates should be given both in figures and words)

Place at which delivery is required Delivery Period Date by which the supplies are required	}	ISTRAC - Bangalore As per invitation to tender
---	---	---

I/We have understood the terms of the tender annexed to the invitation to tender and have thoroughly examined the specification drawing and or pattern quoted referred to herein and are fully aware of the stores required and my/our offer is to supply to the stores strictly in accordance with the requirements subject to the terms and conditions contained in the Purchase Order /Contract/Agreement communicating the acceptance of this tender either in whole or in part.

Signature of Tenderer

Date

Phone No.

(SEAL)