

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
अनुसंधान भवन, 2, रफी मार्ग, नई दिल्ली-110 001
Anusandhan Bhawan, 2, Rafi Marg, New Delhi-110001



Speed Post

No. 8-8(15)/2007-Gen.

Dated 18th January 2008

From

संयुक्त सचिव (प्रशासन)
Joint Secretary (Admn.)

To

Sub: Quotation for ONSITE LAN Maintenance Support for LAN Infrastructure approximately having 450 nodes at CSIR(Including Rate Contract for supply, installation and testing of related passive LAN items).

Sir,

I. We are interested in the Purchase of subject noted above. You are requested to submit your quotation in two-bid system i.e. **Technical un priced bid** including EMD and required documents and Price Bid for maintenance support including rate contract for **supply, installation and testing services** etc. in accordance with our requirement and specifications .

Sl. No.	Required items with Detailed Specification	Qty.
I.	ONSITE LAN Maintenance Support for LAN Infrastructure approximately having 450 nodes at CSIR(Including Rate Contract for supply, installation and testing of related passive LAN items) Detailed technical specification annexed at "A"	One

- II.** Please quote detailed specifications of your product along with detailed write up and brochure of your solution/product.
- III.** The parameters of the quoted specifications relating to your product must be mentioned in the column no. 3 of the compliance matrix- Annexure I against the relevant parameter of CSIR specifications instead of mentioning Yes.
- IV.** You are required to submit the copies of all the documents as requested in the terms and conditions of this inquiry letter.
- V.** **IN CASE YOU ARE NOT WILLING TO SUBMIT YOUR QUOTATION, PLEASE SEND YOUR REGRET LETTER INDICATING THE REASONS, THEREOF.**
- VI.** Specifications with compliance matrix Annexure I, Technical Terms and Conditions II, General Terms and conditions Annexure III Financial/Price Bid Proforma Annexure IV and Proforma for Bank Guarantee for EMD at Annexure V and Proforma for the Bank Guarantee for Performance Security at Annexure VI are enclosed herewith.
- VII.** The Quotation complete in all respects, should reach this office up to **3:30 P.M** on or before Date:**29.01.2008**
The Technical/Un priced bid will be opened on the same day at **4:00 P.M** in the presence of representatives of the firms who wish to remain present.
- VIII.** Quotation reaching this office after the assigned date and time will be treated as "Late" and will not be considered at all.
- IX.** The Joint Secretary(Admn.), CSIR reserves the right to reject any or all the quotations or lowest quotation or accept any quotation or part thereof without assigning any reason.

End: **03** pages & Total pages including
Covering letter = **26** pages.

(J.K.SINGH)
SECTION OFFICER
Tel. No. 23710423

Onsite LAN Maintenance support services for LAN infrastructure at CSIR (including rate contract for supply , Installation and testing of related passive LAN items) as per the following technical specifications.

S.N O	Item description with technical specifications	Quantity Required
1.0	<p>Onsite LAN maintenance support for LAN Infrastructure at CSIR (having approximately 450 nodes)with resident support service as per the following broad responsibilities :</p> <ul style="list-style-type: none"> • Help desk to CSIR LAN users for Network services support including configuring of LAN nodes / PCs on CSIR LAN. • Fault diagnosis, fault isolation of faulty LAN node and reporting for required remedial action and Rectification of cable fault, testing and restoration of functioning of network node on CSIR - LAN. • Crimping/ re-crimping, laying /re-laying / removing of cables, testing , fixing of Information outlets / jack panels, testing of faulty nodes as per the applicable rates and other maintenance related activities for the upkeep of LAN. • Proactive and corrective measures for smooth operation of LAN infrastructure at CSIR. • Ensuring physical network connectivity of a node between Panel and corresponding nodes. • Onsite support service be made available from 9.00 A.M to 5.30 P.M on all working days and on holidays as per requirement for preventive maintenance in co-ordination with IT division with suitable escalations mechanism. 	On-Going (Per Annum Basis)

1.1 Supply of related passive Network items required for maintenance of structured cabling system for CSIR – LAN and standard racks:

S.NO	Item description with technical specifications	Quantity Required
1.1.1	UL Listed & verified UTP CAT 6 Cable, for gigabit Ethernet performance compliant with ANSI/TIA/EIA-568-B-2(Per box Of 305 Meters)	As per Actual
1.1.2	CAT 6 24 port Patch Panel with all required accessories like Rear cable retention bar, Integrate Front patch cord organize, Icons on each of 24 ports,9 mm or 12mm Labels on each ports	As per Actual
1.1.3	2 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable	As per Actual
1.1.4	7 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable	As per Actual
1.1.5	Single surface mount information outlet (CAT 6) to allow for a minimum of 200 re-terminations with face plate having shutter to prevent dust and dirt getting into the outlet for single, dual or multi level outlets	As per Actual
1.1.6	Wire Manager 19" rack mountable , Metallic high strength with metal jumper rings for routing cable assemblies, mounts to the front of 19" Rack & 1U	As per Actual
1.1.7	3 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable	As per Actual
1.1.8	10 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable	As per Actual
1.1.9	19" Standard rack (15U) wall mountable with mounting accessories-	As per

	Should confirm DIN 41494 & IEC 297 standard, Load Having the following accessories 19" Mountable, 1U, Universal Power socket design to fit both round and flat socket with built in surge protection and over load circuit breaker, 5Amp AC power distribution channel made of high flame retardant and insulating material, six numbers of sockets in one strip with wall mount hardware, earthing kit and Equipment mounting screws/hardware packets-(two numbers)	actual
1.1.10	19" Standard rack Floor standing (24U) with mounting accessories- Should confirm DIN 41494 & IEC 297 standard, Load Bearing capacity of a Minimum of 300 kgs, Quick release locking sides, front and rare door should have following accessories 19" mountable, 2U, Universal power socket design to fit both round and Flat socket with built in surge protection and over load circuit breaker, 15 Amps and 5 Amps AC power distribution channel made of high flame retardant and insulating material with five numbers sockets with individual on off switch and light indication (two Numbers), Support angles two pairs, 475mm depth equipment shelves-two numbers castors with breaks. Fan rays with two fans, Earthing kits, Mounting hardware packets-three numbers.	As per actual
1.1.11	19" standard rack floor standing 36U with mounting accessories Should confirm DIN 41494 & IEC 297 standard, Load Bearing capacity of a Minimum of 500 kgs, Should have following accessories 19" mountable, 2U, Universal power socket design to fit both round and Flat socket with built in surge protection and over load circuit breaker, 15 Amps and 5 Amps AC power distribution channel made of high flame retardant and insulating material with five numbers sockets with individual on off switch and light indication (two Numbers), Support angles two pairs, 475mm depth equipment shelves-two numbers castors with breaks. Fan rays with four fans, Earthing kits, Mounting hardware packets-Five numbers.	As per actual
1.1.12	RJ45 Jacks per (Packet of 100 Nos)	As per Actual

1.2 Installation & testing of related passive Network items required for maintenance of structured cabling system for CSIR – LAN :

S.NO	Item description with technical specifications	Required Quantity
1.2.1	UTP CAT 6 cable laying (Per meter) as per the standard Industry guideline for cable laying / relay/ Removing through PVC conduits, casing and capping etc.	As per Actual
1.2.2	Termination of CAT 6 UTP cable at Jack panels/patch panels (per port of JACK/patch panel) Termination of UTP CAT 6 cable on 110 port of patch / Jack panel as the industry standard TSB 568 A/B	As per Actual
1.2.3	Fixing of information outlet and termination of CAT 6 UTP cable (per Unit)- Fixing of I/O on surface and termination of UTP CAT 6 cable on I/O as per the Industry Standard TSB 568 A/B	As per Actual
1.2.4	Fixing of 19" standard Rack on walls (per Unit)- Fixing of wall mountable standard 19" Rack on wall with necessary clamps with mounting accessories.	As per Actual
1.2.5	Fixing of wire /Cable manager (per Unit) – Fixing of wire manager on 19" standard rack to guide the patch chords dressing and UTP cables terminating on patch / Jack panels	As per Actual
1.2.6	Supply and fixing of 15 X15 mm PVC channels for laying cables (per meter) Supply and fixing of BIS standard 15 X 15 mm PVC channels on surface for laying cables.	As per Actual
1.2.7	Supply and fixing of 15 X 30 mm PVC channels for laying cables (per meter) Supply and fixing of BIS standard 15 X 30 mm PVC channels on surface for laying cables.	As per Actual
1.2.8	Supply and fixing of 45 X45 mm PVC channels for laying cables (per meter)	As per

	Supply and fixing of BIS standard 45 X 45 mm PVC channels on surface for laying cables.	Actual
1.2.9	Supply and Fixing of flexible pipe for laying of the cable(per Meter)	As per Actual
1.2.10	Supply and Fixing of 1" PVC Conduit for laying the cable	As per Actual
1.2.11	Supply and Fixing of 2" PVC Conduit for laying the cable	As per Actual
1.2.12	Penta scanner (Per Node) testing of laid cables using industry standard penta scanner tool with reports.(to include ferruling and labeling)	As per Actual
1.2.13	Supply and Fixing of 2" GI pipe for laying outdoor cabling(per meter)	As per Actual
1.2.14	Digging and Surfacing of outdoor cabling(per metr)	As per Actual
1.2.15	Certification of site for cabling system by OEM(per site totaling all installed and tested nodes)	One site
1.2.16	Site layout Documentation of the CSIR -LAN consisting of cabling system layout describing its distribution and termination and labeling details and labeling on patch panels, jack panel I/O etc. (three copies of colored Set of network layout diagram along with soft copy as per the industry standard)	ONE

Terms and conditions related to Technical Requirement .

- LAN maintenance should be initially for a period of one year which may be extendable up to three years subsequently, based on the performance of service provider at same cost.
- The payment would be on actual basis for supplied LAN items and their installations, as per LAN maintenance requirement of CSIR – LAN . The payment may be made on maintenance support on quarterly basis after due verification of quantities of bills certified by IT division as per applicable rates of the contract.
- The service provider will maintain records of the complaints received, calls attended and closing of calls and submit the report to IT division on end of every Month for verification.
- Would proactively initiate necessary action for smooth operations of LAN infrastructure at CSIR.
- The service provider has to ensure availability of the required passive LAN items for maintenance and keep buffer stock of such items on his own cost as mentioned in the contract.
- The warranty for passive LAN items would be three years or more as applicable and provided by OEM of the cabling system.
- Would provide assistance for preparing bill of material required for LAN maintenance in consultation with CSIR by conducting site survey and reconciliation of Bill of material by CSIR.
- The Vendor would bring all the necessary tools and expertise for the maintenance work.
- The cabling would be labeled as per the IT divisions schemes defined schedules.
- The nodes would be tested using standard penta scanner testing and reports should be submitted to IT division for verification.
- One resident Support Engineer with one skilled technician should be made available in CSIR on all working day from 9.00 AM to 5.30 PM at CSIR premises ,In case of emergency and for preventive maintenance during holidays and after working hours the same should be made available at no extra charges.

End of Annexure-A

Sl. No.	CSIR's Requirement	Specific Item of your product	Deviation if any in the quoted specification
(1)	(2)	(3)	(4)
1.1.1	UL listed & vented UTP CAT 6 Cable for gigabit Ethernet performance compliant with ANSI/TIA-568-B-2 for box 305 meters)		
1.1.2	CAT 6 24 port Patch Panel with all required accessories like Patch cable retention bar, integrate front patch cord organizer, icons on each of 24 ports 9 mm cr 12mm Labels on each ports		
1.1.3	2 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and vented option for colour-Grey		

ANNEXURE I

SPECIFICATIONS With Compliance Matrix:

Bidders are required to quote specifications of your products in column no. 3 against each parameter instead of mentioning Yes or No. It will facilitate the Technical Evaluation of your quoted products.

S/N (1)	CSIR's Requirement (2)	Specification of your product (3)	Deviation, if any in the quoted specification (4)
1.0	<p>Onsite LAN maintenance support for LAN Infrastructure at CSIR (having approximately 450 nodes)with resident support service as per the following broad responsibilities :</p> <ul style="list-style-type: none"> • Help desk to CSIR LAN users for Network services support including configuring of LAN nodes / PCs on CSIR LAN. • Fault diagnosis, fault isolation of faulty LAN node and reporting for required remedial action and Rectification of cable fault, testing and restoration of functioning of network node on CSIR - LAN. • Crimping/ re-crimping, laying /re-laying / removing of cables, testing , fixing of Information outlets / jack panels, testing of faulty nodes as per the applicable rates and other maintenance related activities for the upkeep of LAN. • Proactive and corrective measures for smooth operation of LAN infrastructure at CSIR. • Ensuring physical network connectivity of a node between Panel and corresponding nodes. • Onsite support service be made available from 9.00 A.M to 5.30 P.M on all working days and on holidays as per requirement for preventive maintenance in co-ordination with IT division with suitable escalations mechanism. 		

1.1Supply of related passive Network items required for maintenance of structured cabling system for CSIR – LAN and standard racks:

S/N (1)	CSIR's Requirement (2)	Specific ation of your product (3)	Deviation, if any in the quoted specification (4)
1.1.1	UL Listed & verified UTP CAT 6 Cable, for gigabit Ethernet performance compliant with ANSI/TIA/EIA-568-B-2(Per box Of 305 Meters)		
1.1.2	CAT 6 24 port Patch Panel with all required accessories like Rear cable retention bar, Integrate Front patch cord organize, Icons on each of 24 ports,9 mm or 12mm Labels on each ports		
1.1.3	2 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey,		

	Blue, Red & Green and Crossover cable		
1.1.4	7 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable		
1.1.5	Single surface mount information outlet (CAT 6) to allow for a minimum of 200 re-terminations with face plate having shutter to prevent dust and dirt getting into the outlet for single, dual or multi level outlets		
1.1.6	Wire Manager 19" rack mountable , Metallic high strength with metal jumper rings for routing cable assemblies, mounts to the front of 19" Rack & 1U		
1.1.7	3 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable		
1.1.8	10 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable		
1.1.9	19" Standard rack (15U) wall mountable with mounting accessories- Should confirm DIN 41494 & IEC 297 standard, Load Having the following accessories 19" Mountable, 1U, Universal Power socket design to fit both round and flat socket with built in surge protection and over load circuit breaker, 5Amp AC power distribution channel made of high flame retardant and insulating material, six numbers of sockets in one strip with wall mount hardware, earthing kit and Equipment mounting screws/hardware packets-(two numbers)		
1.1.10	19" Standard rack Floor standing (24U) with mounting accessories- Should confirm DIN 41494 & IEC 297 standard, Load Bearing capacity of a Minimum of 300 kgs, Quick release locking sides, front and rear door should have following accessories 19" mountable, 2U, Universal power socket design to fit both round and Flat socket with built in surge protection and over load circuit breaker, 15 Amps and 5 Amps AC power distribution channel made of high flame retardant and insulating material with five numbers sockets with individual on off switch and light indication(two Numbers), Support angles two pairs, 475mm depth equipment shelves-two numbers castors with breaks. Fan rays with two fans, Earthing kits, Mounting hardware packets-three numbers.		
1.1.11	19" standard rack floor standing 36U with mounting accessories Should confirm DIN 41494 & IEC 297 standard, Load Bearing capacity of a Minimum of 500 kgs, Should have following accessories 19" mountable, 2U, Universal power socket design to fit both round and Flat socket with built in surge protection and over load circuit breaker, 15 Amps and 5 Amps AC power distribution channel made of high flame retardant and insulating material with five numbers sockets with individual on off switch and light indication (two Numbers), Support angles two pairs, 475mm depth equipment shelves-two numbers castors with breaks. Fan rays with four fans, Earthing kits, Mounting hardware packets-Five numbers.		
1.1.12	RJ45 Jacks per (Packet of 100 Nos)		

1.2 Installation & testing of related passive Network items required for maintenance of structured cabling system for CSIR – LAN :

S/N (1)	CSIR's Requirement (2)	Specificati on of your product (3)	Deviation, if any in the quoted specification (4)
1.2.1	UTP CAT 6 cable laying(Per meter) as per the standard Industry guideline for cable laying / relay/ Removing through PVC conduits, casing and capping etc.		
1.2.2	Termination of CAT 6 UTP cable at Jack panels/patch panels(per port of JACK/patch panel)Termination of UTP CAT 6 cable on 110 port of patch / Jack panel as the industry standard TSB 568 A/B		
1.2.3	Fixing of information outlet and termination of CAT 6 UTP cable(per Unit)- Fixing of I/O on surface and termination of UTP CAT 6 cable on I/O as per the Industry Standard TSB 568 A/B		
1.2.4	Fixing of 19" standard Rack on walls(per Unit)- Fixing of wall mountable standard 19" Rack on wall with necessary clamps with mounting accessories.		
1.2.5	Fixing of wire /Cable manager(per Unit) – Fixing of wire manager on 19" standard rack to guide the patch chords dressing and UTP cables terminating on patch / Jack panels		
1.2.6	Supply and fixing of 15 X15 mm PVC channels for laying cables(per meter) Supply and fixing of BIS standard 15 X 15 mm PVC channels on surface for laying cables.		
1.2.7	Supply and fixing of 15 X 30 mm PVC channels for laying cables(per meter) Supply and fixing of BIS standard 15 X 30 mm PVC channels on surface for laying cables.		
1.2.8	Supply and fixing of 45 X45 mm PVC channels for laying cables(per meter) Supply and fixing of BIS standard 45 X 45 mm PVC channels on surface for laying cables.		
1.2.9	Supply and Fixing of flexible pipe for laying of the cable(per Meter)		
1.2.10	Supply and Fixing of 1" PVC Conduit for laying the cable		
1.2.11	Supply and Fixing of 2" PVC Conduit for laying the cable		
1.2.12	Penta scanner (Per Node) testing of laid cables using industry standard penta scanner tool with reports.(to include ferruling and labeling)		
1.2.13	Supply and Fixing of 2" GI pipe for laying outdoor cabling(per meter)		
1.2.14	Digging and Surfacing of outdoor cabling(per metr)		
1.2.15	Certification of site for cabling system by OEM(per site totaling all installed and tested nodes)		
1.2.16	Site layout Documentation of the CSIR -LAN consisting of cabling system layout describing its distribution and termination and labeling details and labeling on patch panels, jack panel I/O etc. (three copies of colored Set of network layout diagram along with soft copy as per the industry standard)		

Technical Terms and conditions(compliance):-

1. LAN maintenance should be initially for a period of one year which may be extendable up to three years subsequently, based on the performance of service provider at same cost for the first year.
2. The payment would be on actual basis for supplied LAN items and their installations, as per LAN maintenance requirement of CSIR – LAN. The payment may be made on maintenance support on quarterly basis after due verification of quantities of bills certified by IT division as per applicable rates of the contract.
3. The service provider will maintain records of the complaints received, calls attended and closing of calls and submit the report to IT division on end of every Month for verification.
4. Would proactively initiate necessary action for smooth operations of LAN infrastructure at CSIR.
5. The service provider has to ensure availability of the required passive LAN items for maintenance and keep buffer stock of such items on his own cost as mentioned in the contract.
6. The warranty for passive LAN items would be three years or more as applicable and provided by OEM of the cabling system.
7. Would provide assistance for preparing bill of material required for LAN maintenance in consultation with CSIR by conducting site survey and reconciliation of Bill of material by CSIR.
8. The Vendor would bring all the necessary tools and expertise for the maintenance work.
9. The cabling would be labeled as per the IT divisions schemes defined schedules.
10. The nodes would be tested using standard penta scanner testing and reports should be submitted to IT division for verification.
11. One resident Support Engineer with one skilled technician should be made available in CSIR on all working day from 9.00 AM to 5.30 PM at CSIR premises ,In case of emergency and for preventive maintenance during holidays and after working hours the same should be made available at no extra charges.

Annexure III

General Terms and conditions:-

- 2.1 **Submission of Quotations:-** The quotations shall be submitted under Two Bid System i.e. Techno-Commercial/Un Priced Bid and Price Bid addressed to the Joint Secretary(Admn.), Council of Scientific and Industrial Research, 2 Anusandhan Bhawan, 2 Rafi Marg, New Delhi-110001. Both the envelopes should be super scribed with un priced bid and Price Bid, tender number, due date and time, date and time of opening. Both the envelopes should be kept in one envelope then sealed. The Technical/ Un priced bids will be opened first on the prescribed date and time in the presence of representatives of the vendors who wish to be present at that time. The Price Bids of the Technically qualified terms will be opened after the evaluation of technical bids. The date and time for opening the Price bids will be intimated to the Technically qualified firms accordingly. In case, the Tender Opening date is declared a holiday, the tender would be opened on the next working day at the prescribed time.
- 2.2 **TECHNO-COMMERCIAL/UNPRICED BID:- MUST CONSIST OF THE FOLLOWING DOCUMENTS:-**
- (a) Detailed specifications of your quoted products.
 - (b) Detailed Technical Literature in support of quoted specifications.
 - (c) Compliance Statement duly filled the parameters of your quoted specifications against each parameter of CSIR specifications and deviation, if any, in the specification of your product as per Annexure I.
 - (d) *The vendor must enclose Authorization certificate from OEM.*
 - (e) Copy of VAT/TIN, PAN and Service Tax Registration Certificates.
 - (f) Client List :- List of reputed clients/Organisation of Central Government/PSU/Autonomous Bodies/CSIR or any of it's Constituent Lab/Institute along with the copies of the order to whom you have supplied Network maintenance services etc during last two years which can be verified by CSIR if required
 - (g) Earnest Money Deposit of Rs. 15000/- in the form of Demand Draft or Unconditional Bank Guarantee (as per Proforma enclosed) in favour of Joint Secretary (Admn.) CSIR valid for a period upto 45 days beyond the bid validity period (i.e valid for 135 days from the date of opening of tender.)
 - (h) A certificate that schedule of requirement and all the terms and conditions(Technical as per Annexure II and General Terms and conditions as per Annexure III) as mentioned in the Tender Inquiry letter, have been read carefully and fully understood and are acceptable to you for entering into the contract.
- 2.3 **PRICE BID:-**
Your quotation must be in accordance with the Proforma Annexure IV for quoting the prices. The date and time of opening the Price bids will be intimated after the Technical Evaluation of the Quotations to Technically qualified firms.
- 2.4 **Receiving and opening of Tenders**
- 2.4 (a) **Last Date and time for submission of Quotation:-** upto **06.02.2008** at **3:30 P.M.**
- 2.4 (b) **Date and Time of Opening of Technical Bid:-** at **4:00 PM** on **06.02.2008.**
3. **Validity of the quotation:-** The quotation must be valid for 135 days from the date of opening of the Technical Bid. In case the validity of the quotations expires due to Technical/Administrative reasons, CSIR reserves the right to request the firms for the extension of validity of the quotations. The Vendor will be at liberty to accept or reject CSIR request, and in case they choose to reject CSIR request, their EMD will not be forfeited. In case the vendors choose to accept CSIR request for extension then validity of the EMD, if expired, shall also be adequately got extended.

4. **PRICES:-**

- 4.1 The prices must be inclusive of Packing, Forwarding, Freight, Insurance and installation of the all items at different locations of CSIR Headquarters within Delhi .
- 4.2 Please quote firm and best lowest prices for your product. Downward revision in the prices during the period of contract will be acceptable and upward revision in the prices will not be acceptable during the period of contract.
- 4.3 Any discrepancy between quoted prices in figures and that in words, if noted, will be sorted out in the following manner;
 - (a) If there is a discrepancy between the unit price and the total price the unit price shall prevail and the total price will be corrected accordingly.
 - (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
 - (c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to above.
- 4.4. If there is such discrepancy in a bid, the same is to be conveyed to the bidder and if the bidder does not agree to the observation of the CSIR, the tender is liable to be ignored.

5. **Taxes:-** The percentage of VAT / Service Tax or any other tax must be quoted in clear terms separately. If the taxes are not mentioned separately, it will be presumed that the rates quoted are inclusive of taxes, if any.

6. **Installation:-** The installation of the items of Rate Contract will be done in all the requisite by the Vendor up to the satisfaction of CSIR IT Division.

7. **Technical Bid Evaluation:-** The Conditional Tenders will not be accepted. The Technical Bids will be opened first and analyzed for acceptability. The evaluation of the tenders will be done in a Scientific and logical manner. The Bidders are required to submit their quotation in accordance with the CSIR specifications. In case, certain details are missing in the quotation, which do not have appreciable bearing on the quoted prices, CSIR reserves the right to take clarifications along with necessary documents for the same to find out technically suitable vendor. The price bids of the technically qualified firms shall be opened after technical evaluation. The date and time of opening the price bid will be intimated to the technically qualified bidders and the same will be opened in the presence of the representatives of the technically qualified firms who wish to be present a the time of price bid opening.

8. **Price Bid Evaluation:-** In accordance with the Technical Bid evaluation, the price comparison among the technically qualified firms, will be made on overall prices for the items at unit cost which are to be purchased through the Rate Contract and the order will be placed on lowest quoted rates of the total cost with the given sample Bill or material for the Item list rate out of the technically qualified firms.

9. **Earnest Money Deposit:-**

- 9.1 EMD of Rs.15000/- in the form of Demand Draft or Bank Guarantee in favour of Joint Secretary(Admn.), CSIR, valid for a period upto 45 days beyond the bid validity period (i.e valid for 135 days from the date of opening of tender)shall be submitted along with the Techno-Commercial/Price Bid failing which the quotation will be rejected without assigning any reason.
- 9.2 In case the successful bidder withdraws his offer within the validity of quotation or before entering into the contract within the bid validity period, his EMD will be forfeited. The bidder will have no right to claim for refund of the EMD.
- 9.3 In case the successful bidder does not honor his commitment within the validity of quotation and back out after placing the order with him, the EMD will be forfeited.
- 9.4 The EMD if submitted in the form of Demand Draft can be adjusted with the Performance Security if so desire by the successful bidder. If not so, the EMD will be returned to the successful bidder after receipt of Performance Security along with the order acceptance from him.

- 9.5 The EMD will be returned to the unsuccessful bidders within One month after placing the order with the successful bidder.
- 9.6 No interest will be paid by CSIR on the EMD amount
10. **Performance Security:-**
- 10.1 A Performance Bank Guarantee equivalent to 10% of Contract Value in favor of Joint Secretary(Admn.) CSIR valid for delivery and installation period plus 12 months shall be submitted along with the order acceptance by the successful bidder. The same may be got renewed by successful bidder if the contract extended for next years.
- 10.2 In case the successful bidder refuse to submit Performance Security, his EMD will be forfeited and the contract will be terminated.
- 10.3 In case, the Technical Support Services are not rendered by the successful bidder up to the satisfaction of CSIR IT Division and does not improve his technical support services in spite of suitable reminders, the Performance Security will be forfeited without assigning any reason.
11. **Delivery:-** Immediate delivery of the items is needed but in any case not later than 15 days after placing the Purchase Order and the same shall be installed within 15 days after delivery.
12. **Payment:-**
- 12.1 The 100% payment towards the cost of the items in the Rate Contract plus taxes will be released within 30 days after satisfactory installation and the certification of CSIR IT Division in Quarterly Basis.
- 12.2 The payment of Technical Support Charges plus service tax if any will be made on quarterly basis after rendering the satisfactory Technical Support Services within the quarter and the certification of CSIR IT Division for the same.
13. **Warranty:-** The items through rate contract will be under warranty for a period of 01 years from the date of acceptance and implementation. Within the period of warranty you shall provide the maintenance by free replacement of faulty parts.
14. **Penalty:-** In case of any delay in supply & installation beyond specified period and shutdown in operation/solution beyond 24 working hours, penalty of 1% of invoice value per week subject to the maximum of 10% of the contract value would be charged for delayed period. The extension in the delivery and installation may or may not be granted as per the discretion of CSIR. In case the extension is granted by CSIR against the request of successful bidder, the penalty as above will not be waived for extended period.
15. **Fall Clause:-** In case it is found during the period of Contract with CSIR that the successful bidder has concluded a contract for Technical Support Services under the contract conditions similar to CSIR Rate Contract at a price lower than the CSIR price, the contract price will be automatically reduced from that date for the remaining period of contract.
16. **Verification:-** Verification of documents submitted by vendor along with Technical Bid would be carried out by CSIR, if required.
17. **Arbitration:-** Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specification, and instructions herein before mentioned and as to the quality of the materials , as to any question, claim, right matter of thing whatsoever, in any way arising out of or relating to the contract, specification, estimates, instruction, order of these conditions, or otherwise concerning the works, or the execution of the same whether arising during the process of the work or after the completion or abandonment thereof shall be referred to the sole arbitration of a person nominated by the Director-General, Council of Scientific and Industrial Research, New Delhi, and if he is unable or unwilling to act to the sole arbitration of some other person appointed by him unwilling to act as such arbitrator. The submission shall be deemed to be submission to arbitrator under the meaning of the Arbitration & Reconciliation Act, 1996 or any satisfactory modification of enactment thereof for the time being in force, conclusive and binding on all parties of the contract.

FINANCIAL/PRICE BID PROFORMA

Note: Prices may be quoted for all the onsite maintenance support, structured cabling items and Installation on Rate contract.

Name and Address of the firm.....

Ref No..... Dated.....

1.0 Onsite LAN maintenance support for LAN Infrastructure at CSIR

S/N (1)	CSIR's Requirement (2)	Price for One Year
1.0	<p>Onsite LAN maintenance support for LAN Infrastructure at CSIR (having approximately 450 nodes)with resident support service as per the following broad responsibilities :</p> <ul style="list-style-type: none"> • Help desk to CSIR LAN users for Network services support including configuring of LAN nodes / PCs on CSIR LAN. • Fault diagnosis, fault isolation of faulty LAN node and reporting for required remedial action and Rectification of cable fault, testing and restoration of functioning of network node on CSIR - LAN. • Crimping/ re-crimping, laying /re-laying / removing of cables, testing , fixing of Information outlets / jack panels, testing of faulty nodes as per the applicable rates and other maintenance related activities for the upkeep of LAN. • Proactive and corrective measures for smooth operation of LAN infrastructure at CSIR. • Ensuring physical network connectivity of a node between Panel and corresponding nodes. • Onsite support service be made available from 9.00 A.M to 5.30 P.M on all working days and on holidays as per requirement for preventive maintenance in co-ordination with IT division with suitable escalations mechanism. 	

1.1Supply of related passive Network items required for maintenance of structured cabling system for CSIR – LAN and standard racks:

S/N (1)	CSIR's Requirement (2)	Price per UNIT	Total Unit price of 1.1.1 to 1.1.12
1.1.1	UL Listed & verified UTP CAT 6 Cable, for gigabit Ethernet performance compliant with ANSI/TIA/EIA-568-B-2(Per box Of 305 Meters)		
1.1.2	CAT 6 24 port Patch Panel with all required accessories like Rear cable retention bar, Integrate Front patch cord organize, Icons on each of 24 ports,9 mm or 12mm Labels on each ports		
1.1.3	2 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable		
1.1.4	7 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red &		

	Green and Crossover cable		
1.1.5	Single surface mount information outlet (CAT 6) to allow for a minimum of 200 re-terminations with face plate having shutter to prevent dust and dirt getting into the outlet for single, dual or multi level outlets		
1.1.6	Wire Manager 19" rack mountable , Metallic high strength with metal jumper rings for routing cable assemblies, mounts to the front of 19" Rack & 1U		
1.1.7	3 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable		
1.1.8	10 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable		
1.1.9	19" Standard rack (15U) wall mountable with mounting accessories- Should confirm DIN 41494 & IEC 297 standard, Load Having the following accessories 19"Mountable,1U,Universal Power socket design to fit both round and flat socket with built in surge protection and over load circuit breaker,5Amp AC power distribution channel made of high flame retardant and insulating material, six numbers of sockets in one strip with wall mount hardware, earthing kit and Equipment mounting screws/hardware packets-(two numbers)		
1.1.10	19"Standard rack Floor standing (24U) with mounting accessories- Should confirm DIN 41494 & IEC 297 standard, Load Bearing capacity of a Minimum of 300 kgs, Quick release locking sides, front and rare door should have following accessories 19"mountable, 2U, Universal power socket design to fit both round and Flat socket with built in surge protection and over load circuit breaker, 15 Amps and 5 Amps AC power distribution channel made of high flame retardant and insulating material with five numbers sockets with individual on off switch and light indication(two Numbers),Support angles two pairs,475mm depth equipment shelves-two numbers castors with breaks. Fan rays with two fans, Earthing kits, Mounting hardware packets-three numbers.		
1.1.11	19" standard rack floor standing 36U with mounting accessories Should confirm DIN 41494 & IEC 297 standard, Load Bearing capacity of a Minimum of 500 kgs, Should have following accessories 19"mountable, 2U, Universal power socket design to fit both round and Flat socket with built in surge protection and over load circuit breaker, 15 Amps and 5 Amps AC power distribution channel made of high flame retardant and insulating material with five numbers sockets with individual on off		

	switch and light indication (two Numbers),Support angles two pairs,475mm depth equipment shelves-two numbers castors with breaks. Fan rays with four fans, Earthing kits, Mounting hardware packets-Five numbers.		
1.1.12	RJ45 Jacks per (Packet of 100 Nos)		

1.2 Installation & testing of related passive Network items required for maintenance of structured cabling system for CSIR – LAN :

S/N (1)	CSIR's Requirement (2)	Price per Unit	Total Unit Cost of Item 1.2.1 to 1.2.16
1.2.1	UTP CAT 6 cable laying(Per meter) as per the standard Industry guideline for cable laying / relay/ Removing through PVC conduits, casing and capping etc.		
1.2.2	Termination of CAT 6 UTP cable at Jack panels/patch panels(per port of JACK/patch panel)Termination of UTP CAT 6 cable on 110 port of patch / Jack panel as the industry standard TSB 568 A/B		
1.2.3	Fixing of information outlet and termination of CAT 6 UTP cable(per Unit)- Fixing of I/O on surface and termination of UTP CAT 6 cable on I/O as per the Industry Standard TSB 568 A/B		
1.2.4	Fixing of 19" standard Rack on walls(per Unit)- Fixing of wall mountable standard 19" Rack on wall with necessary clamps with mounting accessories.		
1.2.5	Fixing of wire /Cable manager(per Unit) – Fixing of wire manager on 19" standard rack to guide the patch chords dressing and UTP cables terminating on patch / Jack panels		
1.2.6	Supply and fixing of 15 X15 mm PVC channels for laying cables(per meter) Supply and fixing of BIS standard 15 X 15 mm PVC channels on surface for laying cables.		
1.2.7	Supply and fixing of 15 X 30 mm PVC channels for laying cables(per meter) Supply and fixing of BIS standard 15 X 30 mm PVC channels on surface for laying cables.		
1.2.8	Supply and fixing of 45 X45 mm PVC channels for laying cables(per meter) Supply and fixing of BIS standard 45 X 45 mm PVC channels on surface for laying cables.		
1.2.9	Supply and Fixing of flexible pipe for laying of the cable(per Meter)		
1.2.10	Supply and Fixing of 1" PVC Conduit for laying the cable (per meter)		
1.2.11	Supply and Fixing of 2" PVC Conduit for laying the cable(per meter)		
1.2.12	Penta scanner (Per Node) testing of laid cables using industry standard penta scanner tool with reports.(to include ferruling and labeling)		
1.2.13	Supply and Fixing of 2" GI pipe for laying outdoor cabling(per meter)		

1.2.14	Digging and Surfacing of outdoor cabling(per meter)		
1.2.15	Certification of site for cabling system by OEM(per site totaling all installed and tested nodes)		
1.2.16	Site layout Documentation of the CSIR -LAN consisting of cabling system layout describing its distribution and termination and labeling details and labeling on patch panels, jack panel I/O etc. (per copy of colored Set of network layout diagram along with soft copy as per the industry standard)		

Total cost per Year

A	B	C	D	E	F
S.no.	Description	Price per unit	Taxes (VAT / Service tax etc.)	Net Tax Amount	Total cost for One year
1.	Onsite LAN maintenance support for LAN Infrastructure at CSIR (having approximately 450 nodes)with resident support service (1.0)				
2.	Supply of related passive Network items required for maintenance of structured cabling system for CSIR – LAN and standard racks (1.1.1 to 1.1.12 with sample Bill of material as per annexure -VII)				
3.	Installation & testing of related passive Network items required for maintenance of structured cabling system for CSIR – LAN (1.2.1 to 1.2.16 with sample Bill of Material as per Annexure -VII)				
	Total Cost				

**Name and Signature of the Vendor
(To be Stamped)**

SAMPLE BILL OF MATERIAL FOR CALCULATING LOWEST QUOTE VENDOR**1.1 Supply of related passive Network items required for maintenance of structured cabling system for CSIR – LAN and standard racks:**

S/N (1)	CSIR's Requirement (2)	Price per sample quantity	Total Unit price of 1.1.1 to 1.1.12
1.1.1	UL Listed & verified UTP CAT 6 Cable, for gigabit Ethernet performance compliant with ANSI/TIA/EIA-568-B-2(Per box Of 305 Meters)	30	
1.1.2	CAT 6 24 port Patch Panel with all required accessories like Rear cable retention bar, Integrate Front patch cord organize, Icons on each of 24 ports,9 mm or 12mm Labels on each ports	10	
1.1.3	2Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable	300	
1.1.4	7 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable	50	
1.1.5	Single surface mount information outlet (CAT 6) to allow for a minimum of 200 re-terminations with face plate having shutter to prevent dust and dirt getting into the outlet for single, dual or multi level outlets	300	
1.1.6	Wire Manager 19" rack mountable , Metallic high strength with metal jumper rings for routing cable assemblies, mounts to the front of 19" Rack & 1U	20	
1.1.7	3 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable	100	
1.1.8	10 Feet CAT 6 Patch cord Factory molded boots on RJ45 plugs at both ends, UL listed and verified, option for colour-Grey, Blue, Red & Green and Crossover cable	50	
1.1.9	19" Standard rack (15U) wall mountable with mounting accessories- Should confirm DIN 41494 & IEC 297 standard, Load Having the following accessories 19" Mountable, 1U, Universal Power socket design to fit both round and flat socket with built in surge protection and over load circuit breaker, 5Amp AC power distribution channel made of high flame retardant and insulating material, six numbers of sockets in	5	

	one strip with wall mount hardware, earthing kit and Equipment mounting screws/hardware packets-(two numbers)		
1.1.10	19"Standard rack Floor standing (24U) with mounting accessories- Should confirm DIN 41494 & IEC 297 standard, Load Bearing capacity of a Minimum of 300 kgs, Quick release locking sides, front and rare door should have following accessories 19"mountable, 2U, Universal power socket design to fit both round and Flat socket with built in surge protection and over load circuit breaker, 15 Amps and 5 Amps AC power distribution channel made of high flame retardant and insulating material with five numbers sockets with individual on off switch and light indication(two Numbers),Support angles two pairs,475mm depth equipment shelves-two numbers castors with breaks. Fan rays with two fans, Earthing kits, Mounting hardware packets-three numbers.	2	
1.1.11	19" standard rack floor standing 36U with mounting accessories Should confirm DIN 41494 & IEC 297 standard, Load Bearing capacity of a Minimum of 500 kgs, Should have following accessories 19"mountable, 2U, Universal power socket design to fit both round and Flat socket with built in surge protection and over load circuit breaker, 15 Amps and 5 Amps AC power distribution channel made of high flame retardant and insulating material with five numbers sockets with individual on off switch and light indication (two Numbers),Support angles two pairs,475mm depth equipment shelves-two numbers castors with breaks. Fan rays with four fans, Earthing kits, Mounting hardware packets-Five numbers.	5	
1.1.12	RJ45 Jacks per (Packet of 100 Nos)	10	

1.2 Installation & testing of related passive Network items required for maintenance of structured cabling system for CSIR – LAN :

S/N (1)	CSIR's Requirement (2)	Price as per sample quantity	Total Unit Cost of Item 1.2.1 to 1.2.16
1.2.1	UTP CAT 6 cable laying(Per meter) as per the standard Industry guideline for cable laying / relay/ Removing through PVC conduits, casing and capping etc.	305 X 30	
1.2.2	Termination of CAT 6 UTP cable at Jack panels/patch panels(per port of JACK/patch panel)Termination of UTP CAT 6 cable on 110	200	

	port of patch / Jack panel as the industry standard TSB 568 A/B	
1.2.3	Fixing of information outlet and termination of CAT 6 UTP cable(per Unit)- Fixing of I/O on surface and termination of UTP CAT 6 cable on I/O as per the Industry Standard TSB 568 A/B	300
1.2.4	Fixing of 19" standard Rack on walls(per Unit)- Fixing of wall mountable standard 19" Rack on wall with necessary clamps with mounting accessories.	10
1.2.5	Fixing of wire /Cable manager(per Unit) – Fixing of wire manager on 19" standard rack to guide the patch chords dressing and UTP cables terminating on patch / Jack panels	20
1.2.6	Supply and fixing of 15 X15 mm PVC channels for laying cables(per meter) Supply and fixing of BIS standard 15 X 15 mm PVC channels on surface for laying cables.	200
1.2.7	Supply and fixing of 15 X 30 mm PVC channels for laying cables(per meter) Supply and fixing of BIS standard 15 X 30 mm PVC channels on surface for laying cables.	100
1.2.8	Supply and fixing of 45 X45 mm PVC channels for laying cables(per meter) Supply and fixing of BIS standard 45 X 45 mm PVC channels on surface for laying cables.	50
1.2.9	Supply and Fixing of flexible pipe for laying of the cable(per Meter)	50
1.2.10	Supply and Fixing of 1" PVC Conduit for laying the cable (per meter)	200
1.2.11	Supply and Fixing of 2" PVC Conduit for laying the cable(per meter)	100
1.2.12	Penta scanner (Per Node) testing of laid cables using industry standard penta scanner tool with reports.(to include ferruling and labeling)	450
1.2.13	Supply and Fixing of 2" GI pipe for laying outdoor cabling(per meter)	50
1.2.14	Digging and Surfacing of outdoor cabling(per meter)	50
1.2.15	Certification of site for cabling system by OEM(per site totaling all installed and tested nodes)	1
1.2.16	Site layout Documentation of the CSIR -LAN consisting of cabling system layout describing its distribution and termination and labeling details and labeling on patch panels, jack panel I/O etc. (per copy of colored Set of network layout diagram along with soft copy as per the industry standard)	5

Annexure V

BID SECURITY FORM

Whereas.....¹ (*hereinafter called "the Bidder"*) has submitted its bid dated.....(*date of submission of bid*) for the supply of(*name and/or description of the goods*) (*hereinafter called "the Bid"*).

KNOW ALL PEOPLE by these presents that WE.....(*name of bank*) of(*name of country*), having our registered officer at
.....(*address of bank*)(*hereinafter called "the Bank"*), are bound unto(*name of Purchaser*) (*hereinafter called "the Purchaser"*) in the sum of for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this..... day of..... 20.....

THE CONDITIONS of this obligation are:

1. If the bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity:
 - (a) fails or refuses to execute the Contract Form if required; or
 - (b) fails or refuses to furnish the performance security, in accordance with the instructions to Bidders.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee shall remain in force up to and including forty five (45) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above dated.

.....
(Signature of the Bank)

¹ *Name of Bidder*

Annexure VI

PERFORMANCE BANK GUARANTEE FORMAT

To.....(Name of Purchaser)

WHEREAS (name of Supplier) hereinafter called "the supplier" has undertaken, in pursuance of Contract No..... dated.....20.....to supply..... (Description of Services) hereinafter called "the order".

AND WHEREAS it has been stipulated by you in the said order that the supplier shall furnish you with a Bank Guarantee by a recognized bank" for the sum specified therein as security for compliance with the suppliers performance obligations in accordance with the order.

AND WHEREAS we have agreed to give the supplier a Guarantee :

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the supplier up to a total of _____ (Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the order and without cavil or argument any sum or sums within the limit of -----(Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the.....day of.....20.....

Signature and seal of Guarantors

Dated

Address

All correspondence with reference to this guarantee shall be made at the following address: