

Northern Coalfields Limited

Bidding Document

For

***Cleaning of all Viruses, Worms, Trojans,
malicious code from all desktops, laptops,
& servers and Supply & Installation of
security solution along with proper anti-
virus software***

Issued against Cash Receipt no.....Dated.....

Notice Inviting Tender (NIT)

Section I: Invitation for Bid

1. **Northern Coalfields Limited**, a subsidiary company of Coal India Limited, wholly owned Government of India Enterprise with its registered office at Singrauli Colliery, Dist – Singrauli (M. P.) invites sealed bids in two parts (A & B) from the eligible prospective bidders for **Cleaning of all Viruses, Worms, Trojans, malicious code from all desktops, laptops, & servers and Supply & Installation of security solution along with proper anti-virus software as detailed in scope of work (Annexure – “A”**.

2.

Description of work	Locations	Estimated Cost	Duration	Cost of tender Document
Cleaning of all Viruses, Worms, Trojans, malicious code from all desktops, laptops, servers and Supply and Installation of security solution along with proper anti-virus software as detailed in Annexure – “A”.	NCL HQ & its all projects	Rs. 17,08,352.00	As detailed in NIT	Rs. 2250.00

3. A complete set of **Bidding Documents** may be purchased by any interested eligible bidder on submission of a written application to the General Manager (System) NCL, Singrauli from 30/03/2009 to 02/05/2009 giving complete postal address of the bidder and upon payment of a non- refundable fee of Rs. 2250.00 (Rupees Two thousand two hundred and fifty only) in the form of a crossed demand draft / banker's cheque of State Bank of India or Allahabad Bank or Union Bank of India drawn in favour of Northern Coalfields Limited payable at Morwa (M. P.). Demand draft / banker's cheque favouring Northern Coalfields Limited from any other scheduled Bank is also acceptable, but in that case the collection charges of Rs 100/- (Rupees One hundred) only will also be paid additionally. In the event of the date for submission being declared as a holiday for NCL's office or a “bundh”, the bid document can be obtained on the following working day (from 10.00 hours. to 16.00 hours IST). The Bidding documents can also be downloaded from Northern Coalfields Limited NCL's website <http://www.ncl.gov.in> or government tender portal <http://www.tenders.gov.in>. In case, the document is downloaded from NCL's website or government tender portal, a non-refundable fee of Rs 2250.00 (Rupees Two thousand two hundred and fifty only) in form of a crossed demand draft / banker's cheques of State Bank of India or Allahabad Bank or Union Bank of India drawn in favour of Northern Coalfields Limited payable at Morwa (M. P.) must be enclosed with the bid documents, failing which the bid will not be considered. Demand drafts / Banker's cheque from any other scheduled bank favouring Northern Coalfields Limited is also acceptable, but in that case collection charges of Rs 100/- (Rupees One hundred) only will also be paid additionally.
4. Two cover bidding procedure will be followed i.e. “Techno-Commercial bid” in cover A and “Price Bid” in cover B.

The “Techno-commercial bid” will consist of Documentary evidence establishing the Bidder's Eligibility Criteria along with full technical & commercial bid **without reference to price** and an Earnest Money of Rs 34,167/- (Rupees Thirty four thousand one hundred and sixty seven) only, in form of a crossed demand draft / banker's cheque of State Bank of India or Allahabad Bank or Union Bank of India drawn in favour of Northern Coalfields Limited payable at Morwa (M. P.). Earnest money can also be submitted in the form of irrevocable bank guarantee (from scheduled bank/ branch acceptable to the NCL) as per proforma given in [Annexure - 'C'](#) with validity of 28 days beyond the validity of the price bid. Demand draft / Banker's cheque of any other scheduled bank favouring Northern Coalfields Limited is also acceptable, but in that case collection charges of Rs. 200/- (Rupees Two hundred only) is also payable additionally. Earnest money of the unsuccessful bidder shall be refundable as promptly as possible after opening of price bid and finalisation of the tender and shall bear no interest. The Bid submitted without the Earnest Money will be summarily rejected.

The “Price Bid” will consist of the Price Bid in Indian Currency for the scope of work mentioned in this Bid Documents and as per the Price format enclosed with this Bid Document as [Annexure E](#).

5. Bids shall be submitted in the tender box at Office of the General Manager (System), Northern Coalfields Limited, PO – Singrauli Colliery, Dist – Singrauli, (MP) PIN – 486889. **up to 01:00 PM IST on 04/05/2009** and the Techno-commercial bids (cover A) will be opened in the presence of Bidders' representatives who choose to attend with authorization from their company at **15.30 hours IST on 04/05/2009** at System Department of NCL, Singrauli.
6. In the event of the date of opening being declared as a holiday for NCL's office or a “bundh”, the due date for submission of bids and opening of bids will be the following working day at the appointed time.
7. All correspondences with regards to this tender shall be addressed to:

**General Manager (System),
Northern Coalfields Limited,
PO – Singrauli Colliery, Dist – Singrauli, (MP)
PIN - 486889**

Section II: Instruction To Bidders

1. Cost of Bidding

The Bidder shall bear all costs associated with the preparation and submission of its bid, and Northern Coalfields Limited will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

2. Content of Bidding Documents

The Bidders are expected to examine all instructions, forms, terms and specifications in the ***Bidding Documents***. Failure to furnish all information required as per the Bidding Documents or submission of a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.

The contents of the Bidding Documents are listed below and should be read in conjunction with any amendments issued.

Section – I - Invitation for Bid

Section- II -Instruction to Bidders (ITB)

Section- III -Eligibility Criteria

Section- IV -General Conditions of Contract (GCC)

3. Clarification of Bidding Documents

Any clarification asked by bidders on the ***Bidding Document*** shall be addressed to the General Manager System), NCL, Singrauli, Dist - Singrauli, M.P. PIN - 486889.

4. Visit of Purchaser's site

Bidders are advised to inspect NCL's site(s) to obtain all the necessary information for preparing bids and entering into a contract. Visiting the site(s) shall be entirely at the Bidder's own risk and expense. The Bidder and any of its personnel or agents duly authorized by the bidder with identity may visit our site(s) for the purpose of such inspection, only with a condition that they release and indemnify NCL and its personnel from and against all liabilities.

Bidders should note that visit to NCL's site is MANDATORY failing which their offer will be summarily rejected.

5. Amendment of Bidding Documents

NCL may modify the Bidding Documents by issuing addendum/corrigendum, for any reason, and at any time prior to the deadline for submission of bids. Any addenda to the Bidding documents shall be part of the Bidding Documents, exclusively through the issuance of a formal Addendum. All purchasers of the Bidding Documents will be notified of the addenda in writing and the same will also be displayed on website, and it will be binding on them. To allow bidders reasonable time to take any addenda into account in preparing their bids, NCL may extend, as necessary, the deadline for the submission of bids.

6. Price Bid: The bidder shall offer for the whole works as described in the scope of work based on the price schedule in the bid document as [Annexure E](#). NO CONDITION SHOULD BE MENTIONED IN PRICE BID.

All duties, taxes and other levies payable by the contractor under the contract or for any other cause as existing and applicable as of 30 days prior to the date of bid or revised bid whichever

is later, shall be included in the rates, prices and total bid price submitted by the bidder. All incidentals, overheads etc as may be attendant upon execution and completion of works shall also be included in the rates, prices and total bid price submitted by the bidder.

7. Techno-Commercial Bid

The "Techno-commercial bid" will consist of Documentary evidence establishing the Bidder's Eligibility Criteria, Experience along with full technical & commercial bid **without reference to price** and an Earnest Money Deposit.

8. Language of bid: All documents relating to the bid shall be in the English language only.

9. Late bids: Any bid received by the employer after the deadline prescribed in **Section 1 Clause 5** of NIT due to any reasons whatsoever will not be accepted.

10. Clarification of Bids

To assist in the examination, evaluation, and comparison of bids, the employer may, at the employer's discretion, ask any bidder for the clarification of the bidder's bid, including breakup of unit rates. The request for clarification and the response shall be in writing or by cable, telex or facsimile.

11. Validity of offer: The bidders shall keep their offer valid for 180 days from the date of opening of techno-commercial bid of the offer.

12. Instruction to bidders who have downloaded the tender document from website:

- i) The company shall not be responsible for any delay / difficulties / inaccessibility of the downloading facility for any reason whatsoever. The downloading facility shall be available during the period of sale of tender paper.
- ii) The bidders, who will download the tender documents from the website of the company, will be required to pay the cost of tender documents as per clause 3 of section I of NIT at the time of submission of tenders.
- iii) The bidders will be required to submit an undertaking that they will accept the tender documents as available in the website and their tender shall be rejected if any tampering in the tender documents is found to be done at the time of opening of tender.
- iv) The Bank Draft towards the cost of tender documents and the undertaking of the tenderer as at sl.no. iii shall be submitted in a separate envelope marked "Cost of Tender Documents and the Undertaking" .
- v) In case of any discrepancy between the tender documents downloaded from the web site and the master copy available in the office, the latter shall prevail and will be binding on the tenderers. No claim on this account will be entertained.

Section III- Eligibility Criteria

The invitation for bids is open to all bidders eligible to participate as per qualifying/eligibility criteria laid down hereinafter.

All bidders shall provide qualification information as detailed in Annexure “F”.

Bidder must visit NCL, Singrauli to study existing system shown in Annexure – “H” and understand the requirement before offering their quotation. They shall obtain a certificate of visit from GM (System). The same certificate needs to be attached with their bid.

Without the mandatory visit to NCL Singrauli & certificate of visit issued by GM (System), bidder's quotation will be summarily rejected.

Bidder must have experience of installation, configuration and managing similar products at any Govt. Institute or PSU or any Institute of National repute.

Bidder must have experience of having managed a LINUX based Network of any reputed organization with over 500 users and over a period of not less than 3 years.

Bidder shall deploy “Red Hat Certified Engineer” at Singrauli for Installation & Configuration of Linux.

The intending bidders must have, in its name as a prime contractor, experience of having successfully completed works of similar nature during 7 (seven) years ending last day of month previous to the one in which bid applications are invited should be either of the following:

- I. Three similar completed works each costing not less than Rs 6,83,341.00 or
- II. Two similar completed works each costing not less than Rs 8,54,176.00 or
- III. One similar completed work costing not less than Rs 13,66,682.00.

Similar Work: Bidders should have proven track records/experience of servicing/maintaining a LINUX based Network of any reputed organization with over 500 users and over a period of not less than 3 years.

A list of documents required to be submitted by the bidders, is given below:

- i) Certificate of GM (System), NCL regarding proof of visit of NCL for this tender.
- ii) Bidder's undertaking that their offer is valid for 180 days from the date of opening of techno-commercial bid.
- iii) Copies of performance certificate with copy of Agreement / work order of proven track records / experience of servicing /maintaining similar system.
- iv) Copy of a properly executed Agreement / Work Order, legally enforceable in India, signed by all members of joint venture/consortium, giving details of joint venture/consortium, if the bidder is joint venture / consortium of more than one company.
- v) Copy of audited balance sheet and profit and loss accounts for last three years. Copy of latest valid income tax Permanent Account Number.
- vi) Copies of original documents defining the constitution or legal status, place of registration/ Registration of Partnership firm and the principal place of business, written power of attorney for signing of the bid duly notarized.
- vii) The bidder should give declaration that no condition has been given in the price bid.

- viii) Affidavits in the enclosed format as given in [Annexure "D"](#).
- ix) Copies of evidence of possessing the required working capital of Rs. 3.42 Lakhs including the line of credit and other financial resources.
- x) List of qualified persons proposed to be posted along with their qualification and experience.
- xi) Proof of availability of Red Hat certified Linux engineer

Joint venture details :

Joint venture / Consortium of more than one company / contractor (not more than three companies / Contractors) may jointly undertake contract/ contracts. Each entity will be jointly responsible for completing the task as per the contract. A properly executed Agreement, legally binding on all partners, legally enforceable in India, signed by all partners of the joint venture/consortium has to be submitted wherein one of partner shall be nominated as **Partner-in-Charge**, who will participate in bid on behalf of joint-venture/consortium.

Name of all partners of a joint venture:

1. Lead partner
2. Partner
3. Partner

Joint ventures must comply the following requirements:

Following are the minimum qualification requirements for joint ventures:

1. The lead partner shall meet not less than 40% of all the qualifying criteria stated in the bid document.
2. The other partners shall meet not less than 30% of all the qualifying criteria stated in the bid document.

The formation of joint venture or change in the joint venture character/ partner after submission of the bid and any change in the bidding regarding joint venture will not be permitted.

Any bid shall be signed so as to legally bind all partners jointly and severally and any bid shall be submitted with a copy of the joint venture Agreement providing the joint and several liabilities with respect to the contract.

The pre-qualification of a joint venture does not necessarily pre-qualify any of its partners individually or as a partner in any other joint venture or association. In case of dissolution of a joint venture, each one of the constituent firms may pre-qualify if they meet all the pre-qualification requirements, subject to written approval of the employer.

The bid submission must include documentary evidence to the relationship between joint venture partners in the form of Joint Venture Agreement to legally bind all partners jointly and severally for the proposed Agreement which should set out the principles for the constitution, operation responsibilities regarding work and financial arrangements, participation (percentage share in the total) and liabilities (joint and several) in respect of each and all of the firms in the joint venture. Such Joint Venture Agreement must evidence the commitment of the parties to bid for the facilities applied for (if pre-qualified) and to execute the contract for the facilities if their bid is successful.

One of the partners responsible for performing a key component of the contract shall be designated as Lead Partner. This authorization shall be evidenced by submitting with the bid a Power of Attorney signed by legally authorized signatories of all the partners.

The Joint Venture Agreement must provide that the Lead Partner shall be authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the Joint Venture and the entire execution of the contract shall be done with active participation of the Lead Partner.

The contract Agreement should be signed jointly by each Joint Venture Partners.

An entity can be a partner in only one Joint Venture. Bid submitted by Joint Ventures including the same entity as partner will be rejected.

Note: The bid should be signed by all the partners of the Joint Venture or the partner holding the specific Power of Attorney of all the Partners.

Section IV: General Conditions of Contract (GCC)

Definition:

The word 'Company' or 'Employer' or 'Owner' wherever occurs in the conditions, means Northern Coalfields Limited.

Format, Signing and Packaging of the Bids

The Bidder shall prepare an original and one copy of the "Techno-commercial bid" and "Price Bid" as specified in the Bid document, clearly marking each "ORIGINAL TECHNO-COMMERCIAL BID or ORIGINAL PRICE BID " or "COPY OF TECHNO-COMMERCIAL BID or COPY OF PRICE BID", as appropriate. In the event of any discrepancy between them, the original shall govern. The original and copies of the bid shall be typed or written in indelible ink and shall be signed and stamped on all pages by a person or persons duly authorized to bind the Bidder to the contract. Any corrections, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

One person should be authorized to sign the bid document in respect of one firm only.

Bids shall be separately sealed in two envelopes. One envelope should contain "Techno-commercial bid" along with EMD in (Cover A) comprising of all documents as indicated in the Bid document without reference to Price and the second envelop should contain the "Price Bid" (Cover B) as per the Price Format enclosed as [Annexure E](#) with Bid documents without giving any condition.

The respective envelopes should be marked as "Techno-commercial bid" and "Price Bid" clearly on top right hand side of the respective envelopes. All the two envelopes shall bear the name and return address of the Bidder, be addressed to NCL, bear the Invitation to Bid (NIT) title and number and marked as: "Bid for cleaning of all Viruses, Worms, Trojans, malicious code from all desktops, laptops, servers and Supply and Installation of security solution along with proper anti-virus software, and the BID OPENING DATE and TIME as indicated in the Bid. The two sealed envelopes and the envelop containing cost of tender document then shall be sealed in an outer envelop and similarly addressed to NCL, bear the Invitation to Bid (NIT) title and number, all as indicated in the Bid, and marked with: "BID OPENING DATE " and TIME.

If the envelopes are not sealed and marked as explained above, NCL will assume no responsibility for the Bid's misplacement or premature opening and the Bid shall also be rejected by NCL.

Forfeiture of Earnest Money

If successful bidder refuses to accept the letter of intent or work order, his earnest money deposited shall be forfeited.

Deadline for Submission of Bids

Bids must be received by NCL, complete in all respect, at the address specified at Section-I Clause 5, no later than the time and date specified in Section-I Clause-5. Bids received after this deadline will be summarily rejected.

NCL may, at its discretion, extend this deadline for the submission of bids by amending the Bidding Documents and issuing addenda in this regard, in which case all rights and obligations of NCL and bidders previously subject to the deadline, will be thereafter be subject to the deadline as extended.

Examination of Bids

Bids submitted by the bidders who did not purchase bid document against cash receipt of Rs 2250.00/- or the cost of Bid Document of Rs 2250.00/- (Rupees Two thousand two hundred and fifty only), in case the bid document is downloaded from NCL's website or Govt. tender portal shall be summarily rejected and the techno - commercial bid for such cases shall not be opened.

NCL will examine the Techno-commercial bid to determine whether they are complete, whether the documents have been properly signed, and whether the bids are generally in order.

NCL will determine whether each Techno-commercial bid is substantially responsive to the Bidding Documents (including any amendments thereto). For purposes of this determination, a substantially responsive bid is one, which conforms to all the terms and conditions of the Bidding Documents and Amendments and the requirements of all commercial terms and mandatory technical specifications, without material deviations, exceptions, objections, conditionality or reservations.

NCL will reject the Techno-commercial bid that is not substantially responsive.

Price Bids of bidders, whose Techno-commercial bids are determined to be substantially responsive, will be opened on a date and time which will be notified to the bidders by NCL. Such opening of the Price Bids will be carried out in presence of willing and/or attending authorized representatives of the technically and commercially qualified bidders.

NCL's Right to Accept and to Reject Any or All Bids and to distribute the Contract

NCL reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to Contract award, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for NCL's action. NCL reserves the right to distribute the contract to two successful bidders.

Unconditional acceptance of all clauses

All clauses provided in bidding document, **must be unconditionally accepted by the bidder in format given in [Annexure 'G'](#)**. No deviation in any respect will be acceptable by NCL. Bids with any objection, qualification or reservation about any clauses as above, will be summarily rejected without any further reference to the bidder. A declaration that all clauses of bid document are unconditionally acceptable to the bidder should be provided in the techno-commercial bid.

Signing of the bid

The bidder shall prepare the bidding documents comprising the bid as described elsewhere. All documents of the bid shall be typed in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the bidder. The person or persons signing the bid shall initial all pages of the document. The bid shall contain no alterations or additions except those to comply with the instructions issued by the employer or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person signing the bid. Erasing or overwriting in the bid document may disqualify the bid.

Notification of Award

After the finalization of the tender, NCL will notify the successful bidder in writing. The successful Bidder has to give its confirmation in writing to NCL's such notification. The notification of award will constitute the formation of the Contract.

Signing of Contract Agreement

Within 15 (Fifteen) days from the date after NCL notifies the successful Bidder that its bid has been accepted, NCL will send the Bidder the draft copy of the Agreement to be signed between the NCL and successful bidder. Within thirty (30) days of receipt of the draft copy of the Agreement, the successful Bidder shall sign the Agreement with NCL. If successful bidder happens to be a joint venture / consortium, the nominated **Partner-in-Charge** shall sign the Agreement with NCL. The Agreement shall be signed in accordance with existing LAW and standard procedure of NCL.

Performance Security/Security deposit.

Within thirty days (30) of receipt of the notification of Contract award, the successful bidder shall furnish Performance Security to NCL of amount equivalent to 5% of the award value and should be submitted in any of the form given below:

- i) A bank guarantee from nationalized / scheduled bank in the form given in the bid documents [Annexure "B"](#)
- ii) Govt. securities or FDR of any nationalized bank.
- iii) Demand draft / banker's cheque drawn in favour of Northern Coalfields Limited on SBI/ Union Bank of India / Allahabad Bank payable at their branches at Morwa (Dist . Singrauli. (MP).

The performance security will be refundable after expiry of the contract period, if the performance of the system is satisfactory.

The proceeds of the Performance Security shall be payable to NCL as compensation for any loss resulting from the Bidder's failure to complete its obligations under the Contract. NCL shall notify the Bidder in writing of its invocation of its right to receive such compensation within 7(seven) days, indicating the contractual obligation(s) for which the Bidder is in default.

The Performance Security will be discharged by NCL and returned to the Bidder not later than thirty days (30) following the date of completion of the Bidder's performance obligations under the Contract, including maintenance obligations, under the Contract.

Ernest money of successful bidder shall be refunded on receipt of Performance Bank Guarantee / Security deposit.

Settlement of Disputes:

It is incumbent upon the contractor to avoid litigation and disputes during the course of execution. However, if such disputes take place between the contractor and the department, effort shall be made first to settle the disputes at the company level.

The contractor should make request in writing to the Engineer-In-Charge for settlement of such disputes/claims within 30 (thirty) days of arising of the dispute/claim failing which no disputes/claims of the contractor shall be entertained by the Company.

If differences still persist, the settlement of dispute with Govt. Agencies shall be dealt with as per Guidelines issued by Ministry of Finance, Govt. of India in this regard. In case of parties other than Govt

Agencies, the redressal of the dispute may be sought in the Court of Law subject to jurisdiction of only district court of the place where the work is executed.

DURATION OF CONTRACT:

1. Entire work, from cleaning of desktop to implementation of security solution should be completed within 2 months from the date of award of work or date of issue of LOI which ever is earlier.
2. Operational support for one year starting from date of completion / acceptance.

Payment Terms

1. 90% Payment for cleaning of all desktops, laptops and servers shall be made as per actual i.e. no of machine cleaned.
2. 90% Payment for supply of Red Hat RHEL 5.0 AP and Configuration of gateway, proxy, and mail services on Linux platform shall be released after successful completion and acceptance of work.
3. 90% Payment for supply and installation of Security solution software (anti-virus) for desktops, laptops, server, Messaging server, gateway, proxy etc. shall be released after successful completion and acceptance of work.
4. 10% payment for above shall be released after successful completion of operational support for one year i.e. end of contract.
5. Payment for operational support for one year shall be made on quarterly basis at end of each quarter.

PAYING AUTHORITY: Area Finance Manager (NCL HQ), Singrauli

PENALTY (Operational Support for one year)

Following deductions shall be made as compensation towards unavailability of services of core configuration:

Up to 3 days	25% of operational support charges
4 – 15 days	50% of operational support charges
16 – 30 days	100% of operational support charges
Above 30 days	3 months operational support charges

Core Configuration: The core configuration shall consists of firewall, gateway, proxy, mailing solution on Linux and application server.

Taxes and Duties

Taxes and duties as applicable shall be paid by bidder during the currency of the contract and shall be sole responsibility of bidder to deal taxation matter with appropriate authority.

Other statutory variation due to increase in taxes, duties, levies etc by Govt (central or state or local) as on 30(thirty) days prior to the date of the opening of the bid or revised price bid whichever is later , with the taxes, duties, levies etc during the manufacture / works/ supply as the case may be shall be borne by the employer(Northern coalfields limited) . Similarly the decrease in taxes, levies etc shall be returned to / deducted by the employer.

TERMINATION FOR DEFAULT

NCL, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Bidder, may terminate the Contract in whole or in part:

- if the Bidder fails to perform any obligations(s) under the Contract.

- if the Bidder, in the judgment of NCL has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

'For the purpose of this Clause:

"Corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

"Fraudulent practice: a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of NCL, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive NCL of the benefits of free and open competition"

Termination for Insolvency

NCL may at any time terminate the Contract by giving written notice to the Bidder if the Bidder becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Bidder, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to NCL.

Risk Purchase

In the event of failure of the Bidder to perform the obligation of contract, NCL shall have right to appoint a suitable agency at its discretion at the cost and risk of bidder.

Employment of Manpower

The bidder shall employ only regular employee and shall not engage any contractual labour.

The contractor shall familiarize himself and fully comply with the provisions of all the Acts/Rules/Regulations and orders of the State/Central Govt. applicable to the contract, eg Payment of Wages Act, Workman compensation Act, Contract Act(R&A), CMPF Act, etc. and shall be fully responsible and liable for due observation of the same. The Company NCL shall have no responsibility/liability and shall be fully indemnified by the Contractor against all such claims.

The contractor shall be fully responsible for making payment of wages, reasonable precaution for the safety etc. to their workmen/employees as per prevalent law. The Company (NCL) shall in no way be responsible for any such payment/claim/penalty etc

NCL's Obligations

NCL will appoint a Project Manager responsible for managing the project, with the authority to accept or reject all deliverables and to be the primary contact for the Bidder's Representative. The Project manager will officially record all delays and problems, and forward them to the Bidder. NCL shall be responsible for timely provision of all reasonable facilities like working space, power, access to equipment etc. at site. NCL will nominate appropriate personnel to issue monthly performance certificate.

NCL's Right to Vary Quantities

NCL may change the scope of work. The bidder shall have to take up the additional job, if any, at mutually agreed charges.

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SCOPE OF WORK

Configuration for protection of gateway, Proxy, Mail and file servers

On Desktop & Laptops: (Approximately 800 ± 10 %) :

1. Cleaning of desktop machines to ensure no Viruses / Worms etc. are present before installation of Antivirus.
2. Un-installation of existing Antivirus, if any. (May need Hard disk formatting and reinstallation of OS and Application Software/s. The vendor should take necessary backup of data files and reload the same after re-installation of OS and Application Software.).
3. Installation of Antivirus on all Desktop machines with configuration of desktop agents including personnel firewall. Password locking of configuration after installation.
4. The Desktop Antivirus should get their daily updates from the NCL server without using Internet Bandwidth.

On Servers (Approximately 15 ± 10 %) :

1. Cleaning of Servers to ensure no Virus / Worms etc are present before installation of Antivirus.
2. Un-installation of existing Antivirus, if any. (May require Hard disk formatting and reinstallation of OS and Application Software/s.)
3. Installation of Antivirus on all servers with configuration of server agents including Software Firewall. Password locking of configuration after installation.
4. Supply, Installation and configuration of LINUX based Directory services, PROXY Service, Gateway Service and Mail service. Migration of all users, Mail Services to LINUX platform.
5. Scanning of http/ftp at Gateway level along with security from spyware / malware.
6. Also protection technology should be available for latest / new threats including URL blocking.
7. SMTP/POP3 blocking, scanning along with spam protection.

Supply, Installation and Configuration of RHEL 5.0 AP :

1. Supply, Installation and Configuration of Red Hat Linux 5.0 AP Operating System 3 Nos with one year subscription.

Support Services:

1. Implementation of Security Solution and Integration with existing Application Software / Database.
2. One year On-Site Support for installation and configuration of Antivirus.
3. Automatic web based updating for Antivirus for one year.
4. Manpower Training: Training of selected NCL personnel to enable them to install, configure and trouble shoot the Security Solution provided.
5. Remote management of Security Solution.
6. Posting of dedicated Operational support personnel at NCL, Singrauli.

Supply, Installation, Configuration of Anti Virus Software having following Specs :

Solution should provide Security features like antivirus, Antispyware, desktop firewall, HIPS, device control and compliance validation (network access control) in a single agent, which can be deployed, administered and updated Security and compliance from central location.

Agent should support Microsoft Windows Server 2000//XP Professional and Microsoft Windows 2000 clients.

1. Scanning

Anti Virus

- On demand scans
- Select action to take on infected files
- Select action to take on suspect files
- Network traffic scanning
- Incoming mail scanning
- Outgoing mail scanning
- Scanning of archives
- Customizable Scan Capability for recent, new or modified file only
- Desktop Antivirus solution should be able to Scan POP 3 email traffic including email clients Microsoft outlook and outlook express.
- Solution should be able to detect and block malicious software in real time, including viruses, worms, Trojan horses, spyware, Adware, and RootKits.
- Multi CPU Utilization and Management in Server
- Ability to Scan on Port Level for all traffic and customizable on workstation level
- Machines resource utilization management on the basis of real time workload*
- Automatic Application Compatibility Mode
- Ability for Scan on demand and real time

Anti-Spyware

- Real time anti-spyware
- Spyware scanning and cleaning
- Select action to take on infected files
- Protect against Dealer threats, Banner Threats, Microsoft office macro threats & Popup
- Proposed Anti Spyware solution should be able to bypass Windows File System and should have Direct Access to NTFS Volume to provide raw Disk Scan for superior Rootkit protection.

Anti-spam

- Enable /disable anti-spam
- Managing white-list
- Managing Black-list
- Setting anti-spam levels
- Training of anti-spam module
- Use of image analysis technology for spam recognition
- Ad blocking

Firewall:

Full Fledged Firewall Module with Customization Capability in Workstations
Intrusion Detection of Attacks from within LAN and outside LAN
Intrusion Prevention of Attacks on LAN and WAN
Anti Hacking Capabilities fully Customizable for Workstation Requirement

Proposed IPS component in the solution must combine NIPS (network) and HIPS (host) both with generic exploit blocking for one signature to proactively protect against all variants, Granular application access control and behavior based technology mentioned above.

2. Administration

Centralized Management
Connectivity with Client Machine in LAN and WAN with Digital Certificate of Authentication for Update and Policy Management
Centralized Management of windows and Linux workstation and file server with one single console
Remote Installation of Anti Virus for remote Deployment
Remote Uninstallation of Anti Virus Clients
Remote Uninstallation of Third Party Anti Virus with User Credential
Remote Deployment of Patches, Tools and Upgrade from Central Console
MMC Console
Customizable installation capability to install the client anti virus depending on the resource and usage of workstations.
Loading of all protection component should be customizable in nature
REAL TIME REPORTING OF ANTI VIRUS INSTALLATION FUNCTIONALITY IN NETWORK
REAL TIME OUTBREAK PREVENTION MANAGEMENT IN NETWORK WITH AUTOMATATION POLICY AND CONFIGURATION

3. Update

- a. Perform Auto update of virus signature & engine from Internet, also from the client that acts as a proxy between a management server and clients in the group
- b. Auto downloading of virus signature & engine by clients from Antivirus server
- c. Update can be done from local CD
- d. Update can be done from Local LAN resource
- e. Update can be done from zip archives that is available on vendor website

4. Other Features

Prevention of superfluous repeat scans of data within the network
Rollback for malicious changes made to the system
Quarantine of infected workstations and blocking of virus
Self defense technology from malicious programs
Disable double scanning of files transferred between two computers in the protected local network
Install anti-virus in infected computers and treatment of active (In-memory) infections

Self Defense technique to prevent user from killing process of anti running on client machines
PROTECTION COMPONENT SHOULD WORK SEAMLESSLY WITH MULTI OS COMPATIBLE LICENSE

Product Components

Windows Workstation, Linux Workstation, Windows Server, Linux File Server
Novell Netware, Samba Server, Microsoft Exchange, Linux Mail Server
Anti-Virus for Lotus/Domino, Mail Gateway, Anti-Spam
Anti-Virus for Check Point FireWall-1, Anti-Virus for Microsoft ISA Server
OS Anti-Virus for Proxy Server, OS Administration Kit
OS Security for Microsoft Exchange Server 2003
OS Security for Microsoft Exchange Server 2007
OS Anti-Virus for Windows Server Enterprise Edition
OS Mobile Security Enterprise Edition

PERFORMANCE BANK GUARANTEE

To
Northern Coalfields Limited
Singrauli, Dist. Sidhi (M.P.)

Dear Sir,

In consideration of M/s. Northern Coalfields Limited having its Registered Office at (hereinafter called "the Company" which expression shall unless repugnant to the subject or context includes its successors and assigns) having agreed under the terms and conditions contained in letter No..... dated issued in favour of M/s. for (hereinafter referred to as "the contract" to accept the Deed of guarantee as herein provided for Rs..... from the Scheduled/Nationalized Bank as performance security made by M/s. (hereinafter called "the Contractor") for the due fulfillment of the terms and conditions contained in the said contract by the contractor, we the Bank (hereinafter referred to as the said Bank) having its Registered Office at do hereby undertake and agreed to pay the company to the extent of Rs..... on demand stating that the amount claimed by the company is due and payable by the contractor for the reasons of failure/negligence in performing the terms and conditions contained in the contract by the buyer and to unconditionally pay the amount claimed by the company on demand without any demur to the extent aforesaid.

- i. We Bank agree that the company shall be the sole judge as to whether the said contractor has failed/neglected in performing any of the terms and conditions of the said contract and the decision of the company in this behalf shall be final and binding on us.
- ii. We the said Bank further agree that the Guarantee herein contained shall remain in full force and effect up to..... and any claim received after the said date shall in no case bind the Bank.
- iii. We Bank Ltd. do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of any breach by the said Bidder/Contractor of any terms or conditions contained in the said contract or by reason of the Bidder/Contractor's failure to perform the said contract. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. We shall not withhold the payment on the ground that the Company has disputed its liability to pay or has disputed the quantum of the amount or that any arbitration proceeding or legal proceeding is pending between Company and the Bidder/Contractor regarding the claim. However, our liability under this guarantee shall be restricted to an amount exceeding
- a) We, Bank Ltd. Further agree that the guarantee herein contains shall come into force from the date of and shall remain in full force and effect during the period that would be taken for the performance of the said contract or by virtue of the said Contract have been fully paid and its claims satisfied or Company certifies that the terms and conditions of the said Contract have been fully and properly carried out by the said Bidder/Contractor and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the (date to be given) (months from the date of the Bank Guarantee) we shall be discharged from all liability under this guarantee thereafter.
- b) We, Bank Ltd. Further agree with said Company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said contract/Agreement or to extend time of performance by the said Bidder(s)/Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercised by the Company against the said Bidder/Contractor and to forebear or enforce any of the terms conditions relating to the said contract we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Bidder/Contractor or for any forbearance act or omission on the part of the company or any indulgence by the Company, to the said Bidder/Contractor or by any such matter or thing whatsoever which under the law relating to

sureties would but for this provision have effect of so relieving us. The Bank further agrees that in case this guarantee is required for a longer period and it is not extended by the said Bidder/Contractor beyond the period specified above, the Bank shall pay to the Company the said sum of Rs..... (Specify the amount as such lesser sum as may then be due to the Company and as the Company demand.

- c) We, Bank Ltd. Lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company, in writing.
- iv) The Bank has under its constitution power to give this guarantee and Mr..... , Manager, who has signed it on behalf of the Bank has authority to do so.
- v) This Bank Guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
- vi) The Company shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee or indemnity from time to time vary any of the terms and conditions of the said contract or the extend the time of performance by the said contractor or to postpone any time and from time to time any of the power exercisable by it against the said contractor and either to enforce or to forebear from enforcing any of the terms and conditions governing the said contract or securities available to the company and the said Bank shall not be released from its liability under these presents.
- vii) Notwithstanding anything contained herein the liability of the said Bank under this guarantee is restricted to Rs..... and this Guarantee shall come into force from the date hereof and shall remain in full force and effect till unless the written demand or claim under this guarantee is made by the Company with us on or before all rights of the company under this guarantee shall cease to have any effect and we shall be relieved and discharged from our liabilities hereunder.
- viii) We the said Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the company in writing and agree that any change in the constitution of the said contractor or the said bank shall not discharge our liability hereunder.
- ix) The guarantee issued by Sri Who is authorized by the Bank. Under jurisdiction of Court only.

BANK GUARANTEE PROFORMA FOR EARNEST MONEY DEPOSIT

To
Northern Coalfields Limited,
P.O. Singrauli
Distt. Sidhi (M.P.)

WHEREAS _____ [name and address of Bidder] (hereinafter called "the Bidder") shall be submitting its Bid dated _____ [date of the Bid] for the work _____ [name of the work] (hereinafter called "the Bid").

KNOW ALL MEN by these present that we, _____ [name of the Bank] of _____ [name of the country] _____ having our registered office at _____ [address of the Bank] (hereinafter called "the Bank"), are bound unto the Northern Coalfields Limited, P.O. Singrauli, Dist. Sidhi (M.P.) (hereinafter called "the Employer") for the sum of _____ [amount of the Guarantee in words and figures] for which payment well and truly to be made to the said Employer the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said bank this _____ day of _____ 2000_____.

THE CONDITION of this obligation are:

1. If the bidder withdraws its Bid during the period of Bid Validity specified by the employer on the bid form; or
2. If the Bidder withdraws having been notified of the acceptance of its bid by the Employer during the period of Bid Validity:
 - a. Fails or refuses to execute the contract Agreement when required; or
 - b. Fails or refuses to furnish the Performance Security (if any) in accordance with the Bid conditions.
3. We..... Bank do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reasons of any breach by the said Bidder/Contractor of any terms or conditions contained in the said contract or by reason of the Bidder/Contractor's failure to perform the said contract. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. We shall not withhold the payment on the ground that the Company has disputed its liability to pay or has disputed the quantum of the amount or that any arbitration proceeding or legal proceeding is pending between Company and the Bidder/Contractor regarding the claim. However, our liability under this guarantee shall be restricted to an amount not exceeding
4. We, Bank further agree that the guarantee herein contained shall come into force from the date hereof and shall remain in full force and effect during the period that would be taken for the performance of the said contract and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said Contract have been fully paid and its claims satisfied or Company certifies that the terms and conditions of the said Contract have been fully and properly carried out by the said Bidder/Contractor and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the (date to be given) (months from the date of the Bank Guarantee) we shall be discharged from all liability under this guarantee thereafter.
5. We, Bank further agree with said Company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said contract/Agreement

or to extend time of performance by the said Bidder(s)/(Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Bidder/Contractor and to forbear or enforce any of the terms conditions relating to the said contract and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Bidder/Contractor or for any forbearance act or omission on the part of the company or any indulgence by the Company, to the said Bidder/Contractor or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us. The Bank further agrees that in case this guarantee is required for longer period and it is not extended by the said Bidder/Contractor beyond the period specified above, the Bank shall pay to the Company the said sum of Rs..... (specify the amount) or such sureties would but for this provision have effect of so relieving us. The Bank further agrees that in case this guarantee is required for a long period and it is not extended by the said Bidder/Contractor beyond the period specified above, the Bank shall pay to the Company the said sum of Rs..... (Specify the amount) or such lesser sum as may then be due to the Company and as the Company may demand.

6. We, Bank Ltd. lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company, in writing.
- a. The Bank has under its constitution power to give this guarantee and Mr., Manager, who has signed it on behalf of the Bank has authority to do so.
 - b. This Bank Guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

We, _____ [name of the Bank] undertake to pay to the Employer up to the above amount upon receipt of its first written demand, without the Employer having to substantiate its demand, provided that in its demand the Employer will note that the amount claimed by it is due to it owing the occurrence of 1 or both of the 2 (a) or (b) specifying the occurred condition or conditions.

This guarantee will remain in full force up to and including the date _____ and any demand in respect thereof should reach the Bank not later than the date of expiry of this guarantee.

For and on behalf of the Bank.

Signature _____

Name _____

Designation _____

Common Seal of Bank _____

PROFORMA OF AFFIDAVIT TO BE SUBMITTED WITH PART-A
(On NONJUDICIAL STAMP PAPER OF RS.50/- duly Notarized)

I, Partner / Legal attorney / proprietor/Accredited Representative
of M/s. solemnly declared that:

1. I/We are submitting tender for the work
against Tender Notice No. dated
2. Myself or our Partners / Directors do not have any relative working in NCL.
3. All information furnished by me/us in respect of fulfillment of eligibility criteria and
Information given in this Bid is complete, correct and true.
4. All documents/credential submitted along with this Bid are genuine, authentic, true and
valid.
5. I/We ensure implementation of CMPF & Misc. Provision Act 1948 and allied scheme or
Employers' Provident Fund and Miscellaneous Provisions Act 1952, as the case may
be, for employees working for this contract.
6. I/We have not been banned or de-listed by Government or Quasi Government agencies
of PSU's.
7. We hereby declare that there is no condition in the Price Bid.
8. We hereby authorized NCL to seek references from our banker :
.....
9. If any information or document submitted is found to be false/incorrect, NCL may cancel
my Bid and action as deemed fit may be taken against me/us including terminating
of the contract, forfeiture of all dues including Earnest Money and blacklisting of our
firm and all Partners of the firm etc.

Signature of the Tenderer

.....

Annexure – “E”**PRICE FORMAT**

Sl	I t e m s	Qty	Rate	Extended Value.	Taxes & Duties	Landed Value
1	Rate for Cleaning of all desktops, laptops, servers					
2	Supply of Red Hat RHEL 5.0 AP and Configuration of Gateway, Proxy, Mail Services on Linux platform					
3	Supply and installation of security solution software (anti-virus) for desktops, laptops, server, messaging servers, gateway, proxy etc.					
4	Operational Support Services for One Year including trained manpower					
TOTAL						

QUALIFICATION INFORMATION
(to be submitted in Cover –A, Techno Commercial Bid)
(The information to be submitted by the Bidders)

1.1 Constitution or Legal status of Bidder (attach copy)

Principal place of business

1.2 Details of the turnover :

Annual Turnover Data		
Year	Turnover in Rs.	Remarks
1.		
2.		
3.		
4.		
5.		

1.3 Details of experience for similar nature and complexity of work
Use a separate sheet for each contract.

1.	Number of contract:
	Name of contract:
2.	Name of the Employer:
3.	Employers address :
4.	Nature of work and special features if any :
5.	Contractor's role (check one) 1. Sole contractor 2. Partner in Joint Venture
6.	Value of the total contract
7.	Date of award :
8.	Date of completion :

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- 1.4 Financial reports of the last five years : balance sheets, profit and loss statement, audit report etc. (copies to be submitted and the following format to be filled up)

Financial information in Rs	Actual : previous Three years					Projected : Next two years	
	1	2	3	4	5	6	7
1. Total assets							
2. Current assets							
3. Total liabilities							
4. Current liabilities							
5. Profits before tax							
6. Profits after tax							

(TO BE FILLED UP AND SUBMITTED WITH PART- I)

- 1.5 Evidence of access to financial resources to meet the qualification requirements cash in hand, lines of credit and other financial means etc. sufficient to meet the cash flow (copies to be submitted and the following format to be filled up)

Source of financing	
1.	
2.	
3.	
4.	

- 1.6 Details of the bankers

Banker	Name of the Banker	
	Address of the Banker	
	Telephone	Contact name and title
	Fax	Telex

- 1.7 Information about current litigation and litigation during last five years in which bidder is involved :

Year	Award FOR / AGAINST applicant	Name of the client, Cause of Litigation and Matter of dispute	Dispute amount in Rs

Annexure – ‘G’

FORMAT FOR UNCONDITIONAL ACCEPTANCE OF BID’S TERMS & CONDITIONS

Subject: BID for the work _____

To

Dear Sir,

We offer to execute the work described above in accordance with conditions of contract accompanying the bidding document issued to us. The Bid security / Earnest money in accordance with the NIT and instruction to bidders amounting to Rs. (in figures) (in words) in the form as stipulated in bidding document.

Your Bid and your acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any bid you receive.

We hereby confirm that this Bid complies with Bid validity and Bid security and unconditional acceptance of all terms and conditions required by the bidding document.

Yours faithfully,

Authorized Signature

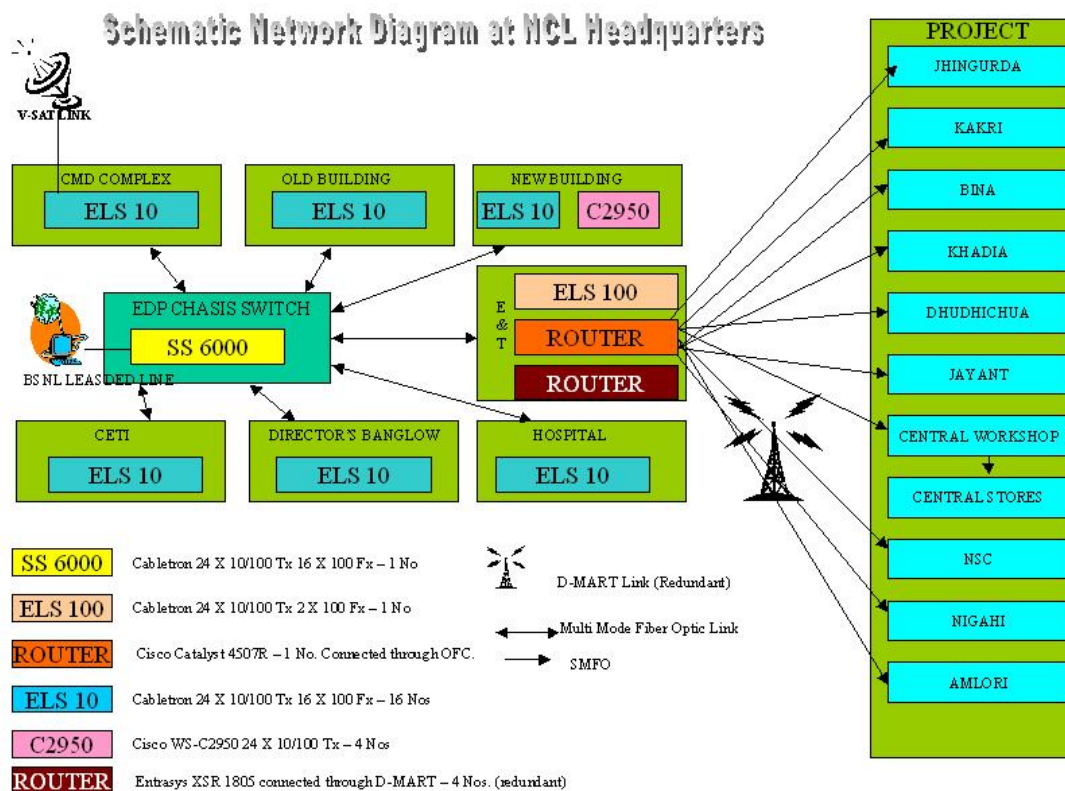
Name & title of signatory

Name of the Bidder ----- (the Contractor)

Address

Date

(to be filled by bidder)



Details of servers & Clients installed in NCL.

Details specifications:

Types of Server	Qty.	Specification
Proxy Server	1	Compaq Proline 800, Intel P-III 500 MHz, Dual processor capability, Cache: 512 KB L2 ECC, RAM 256 MB expandable up to 1 GB, 2 x 9.1 GB Wide ultra SCSI3 hot plug HDD, 1.44 MB FDD, 14" color monitor, Mouse, Windows NT Ver 4.0, Proxy 2.0
Messaging Server	1	Compaq Proline 1600, Intel P-III 500 MHz, Dual processor capability, Cache: 512 KB L2 ECC, RAM 256 MB expandable up to 1 GB, 2 x 9.1 GB Wide ultra SCSI3 hot plug HDD, 1.44 MB FDD, 14" color monitor, Mouse, Windows NT Ver 4.0, MS Exchange V5.5
Internet Server	2	Compaq Proline 1600, Intel P-III 500 MHz, Dual processor capability, Cache: 512 KB L2 ECC, RAM 256 MB expandable up to 1 GB, 3 x 9.1 GB Wide ultra SCSI3 hot plug HDD, RAIDS for internal disks, 12/24 GB DAT Drive, 1.44 MB FDD, 14" color monitor, Mouse, Windows NT Ver 4.0
IBS Hq. Server	1	HP LH 6000, Intel P-III Xeon, 700 MHz, Dual CPU, FSB 100 MHz, Cache: 2 MB per CPU, RAM 2 GB upgradeable to 4 GB, 4 x 18 GB HDD on RAIDS, 24 GB DAT, 8 Expansion slot, Redundant Hot plug power supply & cooling fan, 32X CD ROM, 1.44 MB FDD, 14" color monitor, Keyboard, Mouse, Windows 2000 Server, SQL 2000 Server enterprise, Ramco e.Application, VB applications
IBS Area Server Pilot	2	HP LH 3000, Intel P-III Xeon, 1000 MHz, Dual CPU, FSB 100 MHz, Cache: 256 KB L2, RAM 1 GB

Phase		upgradeable to 4 GB, 4 x 18 GB HDD on RAIDS, 24 GB DAT, 8 Expansion slot, Redundant Hot plug power supply & cooling fan, 32X CD ROM, 1.44 MB FDD, 14" color monitor, Keyboard, Mouse, Windows 2000 Server, SQL 2000 Server enterprise, Ramco e.Application, VB applications
IBS Area Server Rollover Phase	7	Compaq ML370, Intel P-III, 1400 MHz, Dual CPU, FSB 100 MHz, Cache: 256 KB L2, RAM 1 GB upgradeable to 4 GB, 5 x 18.2 GB HDD on RAIDS, 24 GB DAT, 8 Expansion slot, Redundant Hot plug power supply & cooling fan, 32X CD ROM, 1.44 MB FDD, 14" color monitor, Keyboard, Mouse, Windows 2000 Server, SQL 2000 Server enterprise, Ramco e.Application, VB applications
Coalnet Server (upgraded from IBS rollover server)	1	Compaq ML370, Intel P-III, 1400 MHz, Dual CPU, FSB 100 MHz, Cache: 256 KB L2, RAM 4 GB, 5 x 36 GB HDD on RAIDS, 24 GB DAT, 8 Expansion slot, Redundant Hot plug power supply & cooling fan, 32X CD ROM, 1.44 MB FDD, 14" color monitor, Keyboard, Mouse, Windows 2000 Server, SQL 2000 Server enterprise, Ramco e.Application, VB applications
Sun Solaris	1	Sun Fire V480, Dual CPU 1.2 Ghz, 8 GB RAM, 2x73GB, 6x73 GB on SAN, Solris9, Oracle 10g
Clients	800	PC/Laptop having Pentium 1V, Core2Duo, MS Windows XP SP2; MS Office, Dbase, Foxbase, Foxpro, Oracle 9i clients