BRAITHWAITE & CO LIMITED
(A Government of India Undertaking)
SUBSIDIARY OF BBUNL
(AN ISO 9001 : 2000 COMPANY)

Sl. No.1 TENDER NO. BWT/PUR/CORP/2006(I-VII)

Sealed tenders are invited from resourceful and reputed manufacturers/Auth.dealers/distributors for supply & installation of (I) Networking , Connectivity (complete) (II) PCs (III) Laptop (IV) Server & Systems Software (V) UPS. (VI) Printers, Print Fax, Scan & copy all-in-ONE (VII) Modem CD Writer , Memory Stick Computer Storage – CD Computer Storage – DAT –Computer Storage – DAT Drive Computer Storage-Floppy Disk .

Tender documents will be available from the office of Manager (Purchase), 5, Hide Road, Kolkata – 43 on submission of DD/Pay Order of Rs.200/- (non-refundable) for each item in Sl.No.5 in favour of "Braithwaite & Co. Ltd" payable at Kolkata on any working day except Sunday/Holiday between 10 A.M. and 3.00 P.M.

Last date of sale and submission of tender is 10.03.06. For details of the above tenders please visit our Website : www.braithwaiteindia.com.

Company reserves the right to accept/ reject any tender wholly or partly without assigning any reason whatsoever.

Manager (Purchase)

BRAITHWAITE – ENGINEERING EXCELLENCE ON THE MOVE

BRAITHWAITE & CO LIMITED
5 Hide Road, Kolkata 700 043

Press Tender No. BWT/PUR/CORP/2006/I-VII
Tender Enquiry No.:BWT/PUR/CORP/2006/I dated 24/2/2006

Sealed tenders are invited for the supply and installation as per the technical specifications of the following item from reputed manufacturers/authorised dealers/distributors with proven track record.

Item code & Description of item	Qty (Nos.)	Cost of tender form	Earnest Money Deposit (in Rs.)	Last date & Time of submission of Bid	Date & Time of Opening of Part-I of the Tender
4C0Z950500400N Networking of Angus Campus	1 lot	200/-	15000/-	10 .03.06 by 4.30 PM	11.03.06 at 11.00 AM
4C0Z950500500N Connectivity of Angus & HO	1 lot				

Specifications : Details of Technical Specifications of Networking & Connectivity are shown in Annexure-A.

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2. Issue of Tender Documents : Any working day except Sunday and Holidays between 10 AM to 3 PM on payment of Rs. 200/- (non-refundable) by DD/Pay Order to be issued in favour of "**Braithwaite & Co. Ltd**.," payable at Kolkata for each tender document.

3. The offer shall comprise of 2 parts as under :

(a) Part-I : Techno-commercial Bid

(b) Part-II : Price Bid

Both the parts shall be submitted separately in 2 envelopes and these shall be put in 3rd envelope and all the three envelopes shall be superscribed with Tender Enquiry No. BWT/PUR/CORP/2006/I and Due on 10.03.2006, and the name of the content bid(s).

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4. Tender will be considered as cancelled if the documents as required for Part-I & Part-II are not placed in respective envelope.

5. The tender is not transferable.

6. Tender Documents can also be available by down-loading from our website www.braithwaiteindia.com In that case, Rs. 200/- in the form of DD/Pay Order is required to be submitted towards the cost of each tender document in addition to EMD amount alongwith the offer.

7. Sealed Tender addressed to Manager (Purchase), Braithwaite & Co. Ltd, 5 Hide Road, Kolkata 700 043 may be dropped in our Tender Box No. 01 (in case of hand delivery) or may be sent by Registered Post but must reach us positively within 10.03.2006 (due date) by 4.30 PM.

8. Braithwaite reserves the right to accept/reject/split any or all tenders in part or full without assigning any reason.

9. An unconditional acceptance of commercial terms and conditions stipulated in Annexure'B' of this tender is to be given alongwith the offer.

For Braithwaite & Co. Ltd.,

N P Ghosh
Assistant Manager (Purchase)

Encl: Annexure 'A' & 'B'

Annexure-A

TECHNICAL DETAILS OF NETWORKING OF ANGUS CAMPUS AND CONNECTIVITY OF ANGUS & HO

1 a) Networking installation, confirguration, & implementation of the Angus Unit for connectivity of the server & end user in the main building & factory premises thru managed switch & UTP cable [as per LAN Schematic attached herewith.

b) Enhance of the Networking at Head Office in terms of few extra nodes.

2. Connectivity with installation, configuration & implementation between Head Office & Angus Unit thru WAN against Leased line link and ISDN link [as per WAN Schematic attached herewith.

Background:

Braithwaite is an engineering industry mainly involved with wagon manufacturing having three production units. Out of these three production units, in two manufacturing units and in head office, BaaN (IV-c4) ERP implementation & corresponding networking has been done on Oracle 8I based Windows Platform. Present job is for the third production unit i.e. Angus Unit at Bhadreswar 10 KM distance from Head Office & other two production unit.

About Angus unit:

Angus unit is in the business of making wagons for Railways. It is also produced huge steel castings, cast steel bogies/coupler in it's own foundry for wagons of all production units. It is also in the business of overhauling of cranes and manufacturing of spare parts for cranes.

Scope of job –I LAN at Angus & Enhancement of LAN at H.O.

There is an requirement for an integrated LAN at Angus Campus with 20 nos of Nodes based on UTP cable laying as per LAN schematic attached.

These Networking should cover the department like GM office, Purchase, Commercial, Finance & Accounts, Wages, Stores, Foundry, Planning, Inspec;tion, Machine Shop, Assembly Shop, Inspection etc.

The bidder should supply, install, configure & implement the LAN as per details of the required BOM (Estimated) & Job/Activity as tablulated below :

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1. NETWORKING OF ANGUS CAMPUS (ITEM CODE: 4COZ950500400N)

Sl. No.	Item	Description	Product/Make /Model	Qty (Nos.)
1.	Managed Switches	24 Port, 10/100 Catalyst Switch, Standard Image only	Make – Cisco Model – WS-C2950-24	02
		Power cord Europe	CAB-ACE	02
2.	Passive Networking Component	Ecat5 UTP Cable (Box of 305 m)	Dlink	04
		24 Port Ecat5 Patch Panel	Dlink	02
		I/O with surface Mount Box	Dlink	20
		3 ft. Ecat5 UTP Patch Cord	Dlink	20
		7 ft. Ecat5 UTP Patch Cord	Dlink	20
		9U Wall Mount Rack	APW	02
		Hardware (Screw)	For switch/rack fixing	20
		Cable Manager	For cable management to switch	2 Nos.
3.	Job/Activity	UTP Cable laying through PVC pipes, concealed & casing		1200 m (approx)
		UTP Patch panel fitting	- do-	02
		I/O Fixing	- do-	20
		Rack fixing	- do-	02
4.	Project Management	- Installation - Configuration - Implementation - Project management thru managed software - Commissioning - Handover		

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2. SUB : ITEM CODE: 4COZ950500500n CONNECTIVITY OF ANGUS & HO

1. There should be connectivity between Angus Campus and Head Office through Lease line Link & ISDN Link as per WAN Schematic attached.

2. The bidder should supply, install, commissioning, configure & implement the WAN/Connectivity as per details of the required BOM (Estimated) & Job/Activity as tabulated below :

Sl. No	Item	Description	Product & Make / Model	Qty.(Nos.)
1.	Routers For connectivity between Two works	10/100 Base T Modular Router w/2 WAN Slots 32 M Flash/64M DRAM	Make – Cisco Model – 1841 (Base Model)	02
		1-Port Serial WAN Interface Card	WIC-1T	02
		Cisco 1700 IOS IP	S17C-12211T	02
		Power Cord Europe	CAB-ACE	02
		Device managers for routers	ROUTER-SDM	02
		ISDN Interface card		02
2	Modem	Modem Pair M1 (G.703) - or latest, if any. M2 (V.35) - or latest, if any.	Dlink	02 Pair
3	Installation	Installation of Router & Modem at Braithwaite Premises	Scope Of Work-Ontrack	1 Set
4	Connectivity	Leased Line & ISDN: Leased Line – 1 year & ISDN - Application - Set up - Finalization	Bidder's Scope of Work – Should settle with BSNL (Alipore & Bhadreswar Exchange)	1 Set
		Set up of M1 Modems at Tel. Exchange	Same	1 Set
		Set up of Leased Line Link & ISDN Link	Same	1 Set
5	Security	Hardware ASIC based Antivirus Firewall [SMTP, HTTP, FTP, IMAP,POP3] with VPN, IPS/IDS, Antispam, URL Filtering, Mail Content filtering, SSL, VPN, AD Compliant with comprehensive 3 years warranty.	Should strictly comply. Make & Model : Fortigate – 100A	02 Nos.
6.	Liaison	For Three (3) Years After successful commissioning		1 Set

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* For Network diagram, clarifications, explanations contact with Manager (ERP), Braithwaite & Co. Ltd, 5 Hide Rod, Kolkata 700 043 between 10 AM to 4.30 PM.

All Network components should be delivered at Angus & Clive works by the bidders.

3. The bidder will be responsible for all the activities required (for three years rental of Leased Line & ISDN ,Set up of Leased Line & ISDN , MODEM etc.) as well as the liaison with BSNL exchanges like Bhadreswar & Alipore , on behalf of Braithwaite for settting up the connectivity However, for rental of the said leased line charges Braithwaite will pay directly through bidder.

4. After successful commissioning & handover bidder will look after the Liaison job between Bhadreswar & Alipore Exchange for a consecutive three years for maintaining the Leased Line and ISDN up & running including the maintenance of MODEM pair at both end of the factory & exchange premises.

5. The WAN should be configured in such a manner that the database level connectivity can be established in server having standard O/S at both end

6. At both end there should be excellent hardware based FIREWALL device [as per specifications mentioned] for Internet & Intranet security which need to be installed, configured and interfaced with the server, so that total security can be achieved. The total training for the same with sufficient training material and hands on session is to be delivered by the bidders.

7. The connectivity should be in such a way that thru Internet gateway & with the help of Proxy server kind of software , all nodes of the LAN at both ends can access the internet maintaining total security of the systems.

8. . The warranty period of LAN,WAN & all of it's components and the Security (H/W ASIC based)Firewall should be of 3 years from the commissioning & handover of the job.

9. A total training for LAN & WAN & H/W ASIC based Firewall Security System including hands on session & sufficient training materials and operational manual should be provided by the bidder.

Credentials of LAN & WAN implementation bidders :

The LAN & WAN implementation tendering bidders –

i) Must posses sufficient experience & exposure in manufacturing as well as process industry.
ii) Should have considerable experience of full phased Networking & Connectivity implementation in manufacturing/process industries.
iii) Should possess a scientific organisational setup for establishing a long term business partnership with us.
iv) Should perferably have implementation experience in CPSUs.
v) Should be technically capable to provide full fledged Networking (LAN & WAN & H/W ASIC based Firewall Security System) training to ERP Tools team with sufficient training materials and hands on session during implementation.
vi) Should be able to install & implement Networking Management software through LAN & WAN base for proper monitoring of networking environment.

Trial & Commissioning :

1. The Networking at Angus & Connectivity between HO & Angus has to be commissioned within a specified period from the date of placement of purchase order.
2. Two months trial run after successful live on is to be ensured in live environment.
3. System handing over will be done only after successful trial run in live environment.

For Braithwaite & Co. Ltd.,

BRAITHWAITE & CO LIMITED

ANNEXURE – B

Tender Enquiry No.:BWT/PUR/CORP/2006/I

PART-I : TECHNO-COMMERCIAL BID

1. General Terms & Conditions:

1.1 **Part –I : TECHNO-COMMERCIAL BID** consisting of Technical Specifications of the offered items and **General terms & conditions of supply** including **EMD** and **Credentials** .

2.1.1 Earnest Money Deposit (E.M.D): Rs1 5000/- (Rupees Fifteen thousand only)

E.M.D. is required to be deposited as Bid Security and to be submitted in the form of Demand Draft/Pay Order in favour of "Braithwaite & Co. Ltd.," payable at Kolkata or you may deposit EMD in the form of Bank Guarantee (as per the format enclosed) which will be valid for 6 months from the date of opening of the tender. However, for SSI Units with single point registration with NSIC, payment of EMD can be considered for exemption to the extent of monetary limit granted on submission of valid NSIC registration certificate. Copy of the valid NSIC Registration Certificate should be furnished.

EMD will be forfeited or revoked if the tender is withdrawn and/or if the price is escalated later within the validity of the tender. EMD without any interest shall be returned to unsuccessful bidder after finalisation of contract.

2.1.2 Credentials :

Tenderer must submit the following documents as part of Techno-commercial bids :

i) Valid authorisation/dealership certificates from the respective Manufacturer(s) of the items for which the respective bidders submitting offer .

ii) Copies of purchase order(s) along with successful installation certificates in respect of your past supplies within last 2 years.

iii) Copy of Sales Tax Clearance Certificate

2.1.3 Security Deposit : 10% of the order value only in the form of Bank Guarantee from an Indian Nationalised Bank to be submitted by the successful bidder within 10 (ten) days on receipt of Purchase Order.

2.1.4 Performance Guarantee : 10% of the order value in the form of Bank Guarantee from an Indian Nationalized Bank to be submitted duly valid till completion of guarantee/warranty period However, Security Deposit may be converted to Performance Bank Guarantee.

2.1.5 Payment : Payment will be made through LC – 90% after receipt of materials in good conditions and balance 10% after satisfactory installation.

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3. <u>Terms & Conditions</u> :

i) EMD/Security Deposit/Performance Guarantee & Payment terms as per clause 2.1.1., 2.1.3, 2.1.4 & 2.1.5

ii) Offer should remain valid for 90 days from the date of opening of this tender.

iii) Rate quoted shall remain firm till execution of the order. Rate should be mentioned in figure as well as in words.

iv) Inspection : will be done by BCL at our Premises .

v) Packing Identification Mark : Vendor should pack the materials so as to avoid loss or damage during handling and transport by Rail/Road. Each package should contain a packing note mentioning the name of the vendor, number and date of order, nomenclature of the stores etc.

vi) Notwithstanding anything stated in this clause, the vendors shall be responsible for loss/damage/depreciation of the materials due to faulty, unprotected and insecure packing.

vii) Loading & Unloading of materials : Loading & unloading of materials from the transport during delivery of the materials will be the responsibility of vendor.

viii) Prices : Prices are fixed and not subject to variation on any account. Prices for equipments and accessories to be given in the separate enclosure (Price Bid). Break up prices considering Basic Price, Excise Duty, Sales Tax, Packing & Forwarding, Freight & Insurance charges etc. to be indicated separately.

ix) Excise Duty : In case of price inclusive/exclusive of excise duty, vendor shall pass on the MODVAT benefit to Braithwaite by providing Transports copy of excise duty invoice alongwith the supply. Otherwise, the same shall be deducted from vendors bill.

x) Delivery : Materials will be delivered within 4 - 6 weeks from the date of receipt of Purchase Order. The materials should be delivered and installed at our Clive Works at Head Office, 5 Hide Road, Kolkata-700 043 /Angus Works, Bhadreswar- **free of cost**.

xi) Liquidated Damages**:** In the event of failure to supply materials within the stipulated delivery date, BWT reserves the right to recover a sum of 0.5% for every week or part thereof by way of Liquidated Damages, subject to a maximum of 5% of the undelivered quantity.

xii) Risk Purchase : In the event of your failure to supply the materials we reserves the right to procure the items mentioned in our purchase order from alternative sources on Risk Purchase basis and recover the extra cost thereof, if incurred from you.

xiii) Force Majeure : For the purpose of this clause, “Force majeure” means and even beyond the control of the Supplier and not involving the supplier’s fault or negligence and not foreseeable. Such event may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes. If a Force Majeure situations arises, the supplier shall promptly notify

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the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical and shall seek all reasonable alternative means of performance not prevented by the Force Majeure event.

xiv) Arbitration : Any dispute and difference, whatsoever, arising between the parties out of or relating to the installation, meaning, scope, operation or effect of this contract or validity or the breach thereof shall be settled by arbitration in accordance with the Rules of Arbitration of the Indian Council of Arbitration and the award made in pursuance thereof shall be binding on the supplier.

xv) Any legal dispute that may arise will be settled within the jurisdiction of Court of Kolkata

xvi) Price Bid Part shall be opened only if Part-I is qualified.

xvii) Alteration/inclusion/deviation will not be allowed once the bid is submitted.

xviii) Braithwaite reserve the right to terminate the order by giving 7 days notice, at any point of time.

xix) Quantity variation : Braithwaite reserve the right to split up the tendered quantity within more than one bidder without assigning any reason. Quantity as stated in the tender may vary as per discretion of Braithwaite. Order may be distributed itemwise in different parties.

xx) Warranty: 3 years comprehensive onsite warranty (including OEM spares).

xxi) **Unconditional acceptance of the terms & conditions** as mentioned above should be given by the tenderer along with their offer.

Consignee : Manager, EDP, Braithwaite & Co. Ltd. 5 Hide Road, Kolkata 700 043

For Braithwaite & Co. Ltd

PART – II : PRICE BID

(i) The Rate will remain firm till execution of the order.
(ii) The Rates to be quoted both in figures and words.

1. NETWORKING OF ANGUS CAMPUS (ITEM CODE: 4COZ950500400N)

Sl. No.	Item	Description	Product/Make /Model	Qty (Nos.)	Unit Rate	Total (Rs.)
1.	Managed Switches	24 Port, 10/100 Catalyst Switch, Standard Image only	Make – Cisco Model – WS-C2950-24	02		
		Power cord Europe	CAB-ACE	02		
2.	Passive Networking Component	Ecat5 UTP Cable (Box of 305 m)	Dlink	04		
		24 Port Ecat5 Patch Panel	Dlink	02		
		I/O with surface Mount Box	Dlink	20		
		3 ft. Ecat5 UTP Patch Cord	Dlink	20		
		7 ft. Ecat5 UTP Patch Cord	Dlink	20		
		9U Wall Mount Rack	APW	02		
		Hardware (Screw)	For switch/rack fixing	20		
		Cable Manager	For cable management to switch	2 Nos.		
3.	Job/Activity	UTP Cable laying through PVC pipes, concealed & casing		1200 m (approx)		
		UTP Patch panel fitting	- do-	02		
		I/O Fixing	- do-	20		
		Rack fixing	- do-	02		
4.	Project Management	- Installation - Configuration - Implementation - Project management thru managed software - Commissioning - Handover				

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2. CONNECTIVITY OF ANGUS & HO

Sl. No	Item	Description	Product & Make / Model	Qty.(Nos.)	Unit Rate	Total
1.	Routers For connectivity between Two works	10/100 Base T Modular Router w/2 WAN Slots 32 M Flash/64M DRAM	Make – Cisco Model – 1841 (Base Model)	02		
		1-Port Serial WAN Interface Card	WIC-1T	02		
		Cisco 1700 IOS IP	S17C-12211T	02		
		Power Cord Europe	CAB-ACE	02		
		Device managers for routers	ROUTER-SDM	02		
		ISDN Interface card		02		
2	Modem	Modem Pair M1 (G.703) - or latest, if any. M2 (V.35) - or latest, if any.	Dlink	02 Pair		
3	Installation	Installation of Router & Modem at Braithwaite Premises	Scope Of Work-Ontrack	1 Set		
4	Connectivity	Leased Line & ISDN: Leased Line – 1 year & ISDN - Application - Set up - Finalization	Bidder's Scope of Work – Should settle with BSNL (Alipore & Bhadreswar Exchange)	1 Set		
		Set up of M1 Modems at Tel. Exchange	Same	1 Set		
		Set up of Leased Line Link & ISDN Link	Same	1 Set		
5	Security	Hardware ASIC based Antivirus Firewall [SMTP, HTTP, FTP, IMAP,POP3] with VPN, IPS/IDS, Antispam, URL Filtering, Mail Content filtering, SSL, VPN, AD Compliant with comprehensive 3 years warranty.	Should strictly comply. Make & Model : Fortigate – 100A	02 Nos.		
6.	Liaison	For Three (3) Years After successful commissioning		1 Set		

For Braithwaite & Co. Ltd.,