

ब्रेथवैट एण्ड कम्पनी लिमिटेड
(भारत सरकार का एक उपक्रम)

BRAITHWAITE & CO LIMITED

(A Government of India Undertaking)

Ministry of Railways.

HEAD OFF. & REGD. OFF. : 5, HIDE ROAD, CALCUTTA – 700 043,

TEL 2439-7415,2439-4114,2439-6613,2439-7413 FAX : 91(033)2439- 7632/5607

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Website : www.braithwaiteindia.com CIN – U74210WB1976GOI030798

E N Q U I R Y

Tender No: BCL / PUR / AMC – COMPUTER/2017–18

DT. 25.09.2017

To,

M/s

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“ Sealed offers are invited for engagement of Service Provider / Contractor for providing Facility Management Service for maintaining of Desktops, Laptops, Printers (DMP / DESKJET / INKJET / LASERJET / Line Printers etc.) Integrated LAN, HUB,FO Converter, Switches, Projector, Heavy Duty UPS, small UPS and other computer peripherals at Clive Works Victoria Works, Angus Works and Corporate Office as per tender conditions”.

The offer shall consists of two bid types :

Part – I : Techno-commercial & EMD
Part – II : Price Bid

All these parts shall be inserted separately in 2 (two) sealed envelopes super scribing tender number and part number. All two parts shall be put in 3rd envelop and all the envelops shall be super scribed without Tender No., Part No. and Due date.

Sealed tender, addressed to **General Manager (Co-ordination), Braithwaite & Co. Ltd. 5, Hide Road, Kolkata – 700 043** may be reach us positively within **09.10.2017 AT 2.30 PM**

Techno-commercial bid shall be opened on **09.10.2017 at 3.00 PM** During opening of Techno-commercial Bid & EMD (Part – I),the bidders may depute their authorized representative to be present as witness. Price Bids(Part-II) shall be opened at a different date for which separate intimation will be sent to techno-commercially acceptable bidders. Such bidders may be present during opening of price bids.

Bidder should be GST complaint & submit the copy of GSTIN details copy along with HSN code for supply materials & SAC code for service job profession Tax paid certificate along with Techno – commercial bid.

Contd. P/2.

Scope of Services :**A. Facility Management Service (Non – Comprehensive basis) :**

1. For maintenance of Desktops, Laptops, Printers (DMP / DESKJET/ INKJET/ LASERJET/ Line Printers etc), Integrated LAN,HUB,FO Converter, Switches, Projector, HEAVY Duty UPS (Without Spares) by following activities :
 - i) OS maintenance, reinstallation as and when required.
 - ii) User account management – creation, deletion and transfer of mailboxes.
 - iii) Data backup before formatting and loading the data after formatting.
 - iv) Driver support, up gradation on time to time.
 - v) Managed switch reconfiguration if required with software support.
 - vi) Antivirus installation and updating.
 - vii) Network administration, Database administration.
 - viii) Periodic visit and supervision at Angus & Corporate by Experts / senior Engineers and closing of all pending issues and suggest improvement.
 - ix) Replacement of printer Toner / Cartridges.
 - x) Shifting of machines from one department to other department as and when required and installation of the machine at the location.
 - xi) Preventive and Breakdown Maintenance, as detailed in (B) and (C) below.
 - xii) Any other activities related to maintenance of Computer and accessories.

List of Components :**(i) PC, Printers and other Computer peripherals:**

SL. NO	ITEM , DESCRIPTION	QUANTITY
1	Personal Computer (Windows OS)	75
2	Laptop	9
3	Colour Inkjet Printer	2
4	Dot Matrix Printer	12
5	Line Matrix Printer	2
6	Colour Laser Jet	1
7	Black Laser Jet	12
8	Black Laser Jet (all – in-one) / (3 – in-one)	15
9	Projector	1
10	UPS 650 VA	18
12	LAN switch (8 port / 16 port / 24 port)	23
13	HUB 24 port	2
14	FO Converter	2
15	Integrated LAN (Angus + Corporate)	2

(ii) Servers :

SL. NO	ITEM , DESCRIPTION	QUANTITY
1	Wipro Net Power. CPU Intel Xeon @ 2.80 GHZ, RAM – 4GB, HDD- 120 GB Serial nos: 05j80800300001 & 04g74124700001	2
2	IBM e server (x series 226). CPU Intel Xeon @3.40 GHZ, RAM -4 GB, HDD – 140 GB Serial nos: IS 86486BA99CLTN1 & MTN86486BA99CLTNO	2

1. By co – coordinating with the user and the OEM (Dell / HP / Samsung) and ensuring the services of the OEM through logging of complaint and support for the Desktops / Laptops and Printer under warranty period. On expiry of the warranty period of some of the machines (as per mentioned list), the same may have to be maintained (without spares)

List of Components :

Sl. no.	Item Description	Quantity	Warranty till
1	Personal Computer (Windows 8.1 OS) Make – Dell.	19	Feb. 2018
2	Personal Computer AIO (window 8.1 OS) Make - Dell	1	Apr. 2019
3	Laptop Core i3 5 th . Generation Make - Dell	1	Apr. 2019
4	Dell inspiron 15 Laptop	1	July .2018

The above list is tentative and may change at the time of actual commencement of AMC period.

Other than above job, the vendor should arrange for necessary spares for repairing as and when required. A comprehensive list of spares is given in ANNEXURE – I. The vendor should quote against each item. However, the value of spares to be purchased for such purchase shall be restricted to Rs 2.50 lacs in a year. For supply of spares, the bidder shall quote unit Rate (inclusive of GST) in their price bid.

Note:

Prior submission of the tender, bidder may inspect the machines by contacting the ERP department at Corporate office. If it is felt that any machine can not be given service for 1 year and any spare can not be supplied, that has to be mentioned in the technical offer separately.

B. Preventive Maintenance:

1. Cleaning of CPU cabinet-keyboard-mouse, Monitor, Drive clean up, Disk de-fragmentation, Error check, Switch Box clean up, Dot matrix- Line matrix – Deskjet –Inkjet – Laserjet printer clean up and any cleaning of other parts.
2. This Preventive Maintenance job should be carried out at least once in a month.
3. Fortnightly checking of all the Network Cables, Switches, Machines, Printers and submit a report to ERP / EDP Department for any defect.
4. The record of preventive maintenance with date and description of maintenance, if done in fortnight are to be kept with fortnightly checking report.
5. The fortnightly checking reports along with preventive maintenance report are to be submitted with the monthly bill and user feedback for the month, pending which no maintenance bill will be certified by ERP Department.

C. Repair and Breakdown Maintenance :

1. Each breakdown problem should be attended by the Resident Engineer within 30 mins from reporting or immediately after completing the call in case he is busy with other call. The modus operandi for the above will be as follows –
 - a) If the case is a general problem without requirement of any spares, the call must be rectified within the same day by deputing adequate resources.

- b) In case of requirement of new spares, A joint inspection Report (JIR) with the authorized representative of ERP Department to be carried out on the same day and prior permission from In – Charge to be obtained before arranging the new spares.
2. The necessary as per above is to be arranged within 2 days of prior permission of ERP Department and the machine to be made ready within the period, failing which a penalty @ Rs 100 /- per day will be each day delay till the problem is set right (the selected vendor is therefore advised to maintain a stock of spare parts at site or at their custody).
 3. IT support staff should be trained enough to identify the exact problem related to the item and he should carry required peripherals to rectify the issue and consumables for testing purpose.

D. Resident Engineers and Working Hours:

- i. It is mandatory to post two resident engineers (with adequate technical expertise and knowledge). Out of two, one engineer will be posted at ERP (H.O.) and other one will post at Angus Works. The above two Engineers should be assisted by specialist resources, as and when required, as and when required and will be supervised by Expert / Senior Engineer.
- ii. The engineer posted at ERP (H.O.) will cover Corporate, Clive Works and Victoria Works. Working hours for H.O. Engineer is from 9.30 am to 5.30 pm (Mon – Sat) Working hours for Angus Works engineer is from 9:00 am to 4:30 pm (Mon - Sat)
- iii. Availability of the manpower should be maintained as explained. However, in case of absenteeism of deployed manpower, a suitable replacement to be provided by the party. Otherwise, in case of absenteeism or late coming, a proportionate amount will be deducted from Party's bill for a particular month based on the formula mentioned below:

The amount deductible = Monthly Total amount due X (Number of Hours absent in CW + Number of Hours absent in AW) / 8 (Number of working day in CW + Number of working day in AW).
- iv. An attendance register for both Resident Engineers and Experts in the prescribed format of ERP Department are also to be maintained.
- v. For absenteeism of Experts in alternate week in Angus works and Corporate office, a penalty @ Rs 300/- occasion will be deducted. Visit of Expert / Senior Engineer to each location should be at least 2 times per month.

E. List of Spare parts and other accessories:

Probable list of spares, for above mentioned AMC job are enclosed with this tender documents in Annexure – I. Unit rate of these items shall be submitted along with Price Bid only. However, price for these items shall not be considered for evaluation, but successful bidder (L-1) may be required to accept the lowest rates received in the tender.

BCL may issue Dummy Order for the spares if necessary.

Rejected / damaged / replaced materials, if any, are to be returned to user department.

F. Credential (for Website bidder only) :

The bidder who have quoted from website, they should submit the relevant documents along with Techno – commercial bid :

- i) The bidder should have executed similar type of Comprehensive / Non Comprehensive job of Computers during last 5 years ending on 31.08.2017.
- ii) Job completion certificate should be submitted along with the offer.
- iii) Working experience in similar type of job in PSU / Govt. will be preferred. To provide certificate from the existing Client along with contract details. Credentials/ certificates submitted by the bidder should not be more than 3 years old.
- iv) The bidder should have GST registration. Copy of the same is to be enclosed with the Techno – commercial bid. However, those are exempted from GST, should submit documentary evidence with Techno – commercial bid.
- v) Bidder must declare clearly without any condition that they shall provide full services towards the awarded job.
- vi) Copy of Trade License, Audited Balance Sheet and Profit & Loss Accounts for the last 3 years ending on 31.03.2017 apart from documents required in above.

G. Site Visit :

Before quoting, bidder must visit all the location of BCL with Corporate office and contract ERP Department of respective units for any query relating to jobs to be performed and inspect the machines as mentioned above. Bidder should ensure / understand the job and accordingly must give a declaration separately in the Techno – commercial bid that they have understood the job(s) and provide full services under the contract, if awarded, and rates quoted accordingly. Afterward, no claim shall be accepted by BCL on any ground.

Part – I: (Techno – Commercial Bid & EMD)

1) Earnest Money Deposit:

- i. Earnest Money Deposit of **Rs.5,000/-** (Rupees Five thousand only) is required to be submitted by Demand Draft / Pay Order or in the form of Bank Guarantee in favour of Braithwaite & Co. Limited, payable at Kolkata. In case of BG, the validity period should initially be 120 days from the date of opening of tender. However, for SSI Units with valid single point registration with NSIC & MSME registered companies for the tendered item, payment of EMD & Security Deposit can be considered for exemption to the extent of monetary limit granted on submission of valid NSIC registration / MSME registration certificate for the items tendered. EMD is also exempted for vendors registered with RDSO / D.G.S.D. and for PSU bidders.
- ii. Earnest Money lodged by unsuccessful bidder and shall be refunded / released to them without any interest after finalization of a tender. For successful bidder, entire amount of EMD shall be retained by the company, till completion of submission of S.D or if so decided by the tenderer adjusted against security deposit for the said job.
- iii. EMD will be forfeited or revoked if the bidder withdraws, amends, impairs or derogates and/or if the escalated later within the period of validity of their offer.
- iv. No offer will be considered without EMD, except exemptions mentioned in the tender.

2. All corrections (if any) must be signed at the appropriate place by the signatory of the bidder, otherwise tender will be cancelled.
3. Offer should remain valid for 90 days from the date of opening of this tender.
4. Alteration, inclusion, deviation will not be allowed once the bid is submitted. However, Tender Evaluation Committee may demand further clarification / documents, if required/
5. BCL also reserves the right to cancel / discharge the tender at any point of time.
6. The bidders may contact ERP Department Officials of BCL at Corporate Office at 5, Hide Road, Kolkata – 43 for any query before quoting on any working day except Sunday & Holiday.
7. The tender is not transferable.
8. Bidders are requested to submit their price in a separate envelope as per the Price Bid Format given in separate sheet.
9. The job shall be executed under the supervision / instruction of ERP / EDP deptt.
10. NSIC/MSME/SSI registered bidders should submit copy of their valid registration documents along with indication of ownership (whether SC/ ST). In case the owner is SC/ST category, copy of necessary document is to be submitted in Techno – commercial bid.
11. In respect of spares as given in Annexure-I, bidders shall submit list of items and quantities quoted by them and such list shall be given in their Techno-commercial Bid without any price figure.
12. Unconditional acceptance of all notes, terms & conditions of the tender, must be given along with the offer in Techno-commercial Bid (Part-I).

General terms & conditions:

1. Period of contract of AMC job will be 1 (one) year.
2. **Payment terms:**
 - i. 100% payment towards AMC charges will be made after 30 days credit against monthly bill.
 - ii) Payment will be released on submission of bill along with User Feedback report in specified format to be provided by ERP Deptt./ BCL after award.
 - iii) Payment towards supply of spares will be made against submission of bills and payment shall be made after 30 days. Bills for spares will supported with following documents:
 - a) Copy of Joint Inspection Report, duly signed by BCL & Contractor.
 - b) Copy of Prior written permission issued by ERP Deptt.
 - c) Copy of challans, duly endorsed by ERP Deptt. of BCL .
 - d) No stock certificate issued by ERP Deptt of BCL.
 - e) Receipt certificate / MRR issued by ERP Deptt of BCL
 - f) ERP Deptt's receipt for return of old damaged parts.

- iv) All bills shall be certified by In – charge of ERP Deptt, BCL or his authorized representative.
- You have to submit GST compliant Invoice and challan (if any) mentioning your GSTIN no. in case of spares the value of which are all inclusive. You have to submit the bill(s) showing the break up of GST and basic amount.
 - You have to submit compliance regarding documentation / monthly returns so as to ensure availing Input Tax Credit (ITC) by BCL failing which BCL will deduct the resultant amount.
 - BCL reserves the right to keep the payment of GST amount on hold till the receipt of ITC by BCL is ensured.

3. Security Deposit :

Successful bidder shall submit Security Deposit @ 5% of total order value in the form of Demand Draft / Pay Order or B.G. as per BCL's format within 15 days of receipt of Purchase Order.

- a. Contractors registered with NSIC, MSME, SSI, RDSO & DGS & D and PSU bidders are exempted from submission of Security Deposit. However, valid documents for registration of the items tendered to be submitted with the techno-commercial bid.
- b. Security Deposit will be discharged and returned to the contractor only on successful completion of contractor's obligation under the contract.
- c. As and when an amendment is issued to the contract, the contractor shall within 15 days of receipt of such an amendment furnish to the purchaser an amendment to the Security Deposit and / or Bank Guarantee rendering the same valid for the contract as amended.
- d. Security Deposit may also be built by deducting the amount proportionately from each bill of the contractor on their request. However, 50 % of the total amount of Security Deposit is to be deposited by the successful bidder on receipt of purchase order. Balance 50 % may be received from running bill.
- e. Submission of improper Bank Guarantee will lead either rejection of offer or cancellation of order.

4. Performance Guarantee :

Successful bidder shall submit a Performance Bank Guarantee @ 5 % of total order value. The Performance Bank Guarantee shall be submitted before receipt of 1st payment. Performance Bank Guarantee will be discharged and returned to the contractor only on successful completion of contractor's obligation under the contract.

However, Security Deposit, if submitted, may be converted to Performance Guarantee.

5. Ordered price shall remain firm till completion of the total jobs.
6. BCL reserve the right to terminate the contract(s) / order(s) by giving 7 (seven) days notice at any point of time in case of poor performance / non-compliance of the terms & conditions.
7. For any damage / loss of company's materials during execution of work, it will be a binding to the contractor to compensate for the damage done and amount of compensation will be as decided by Braithwaite.

8. The contractor must take all safety measures for their employees during execution of job. Braithwaite, in no case, shall be held responsible for any mishap caused to contractor's employees during execution of job.
9. All the personnel for the contractor must have valid entry gate pass issued by BCL for working within Clive / Victoria / Angus Works & HO.
10. Braithwaite & Co. Ltd will not provide canteen facilities. Arrangement of meals & tiffin, if any, for contractor's employees will have to be made by the contractor from outside at his cost.

11. Risk Purchase

In the event of failure or delayed execution of the AMC job within the reasonable period of time as decided by the purchaser. BCL reserves the right to get the job done by other Agency / Agencies as per the order on risk purchase basis and shall recover the extra cost thereof, if incurred on the contractor.

12. Liquidated Damages

In the event of failure on the part of the contractor to complete the job within the stipulated completion period Braithwaite reserve the right to recover a sum of 0.5% for every week or part thereof by way of L.D. subject to maximum limit of 10% of the ordered value.

13. Arbitration

All questions, disputes or difference whatsoever shall arise between the purchaser and the contractor upon or in relation to or in connection with the contract either party may forthwith give to the other notice in writing of the existence of such questions, dispute or difference and the same shall be referred to the adjudication of sole arbitrator who shall be Managing Director and he shall have the right and authority to appoint any officer of the company not below the rank of a General Manager who is not directly connected with the Purchase order.

Such a reference submitted to the Arbitrator shall be deemed to be the submission to the Arbitrator within the meaning of the Arbitration and conciliation Act, 1996 statutory modification thereof. The proceedings of the Arbitration shall be held in Kolkata.

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

14. BCL reserve the right to increase or decrease the ordered period / value during the currency of contract by not more than 30% of the ordered period / value on the same price and terms & conditions.
15. BCL reserve the rights to place repeat order up to 75% maximum of the ordered period / value at the same rate, terms & conditions.
16. Quoted rate for AMC charges shall not include GST. However, GST shall be paid extra at actual as applicable as per Govt. rules against submission of documents evidencing payment of such taxes. Quoted unit rates of spares as per list in Annexure-I shall include all taxes & duties applicable for the respective items. No separate payment towards taxes & duties shall be paid on account of spares.

17. ADDITIONAL TERMS & CONDITIONS OF THE TENDER

- i) The performance of the contractor will be reviewed at the end of each month. In case the performance during the said period found non – satisfactory, required decision about the continuation of the service will be made by the management.
- ii) Bidder should have requisite manpower like Hardware Engineer, Net working specialist, system and Networking Engineer. A list of qualified manpower with area of expertise to be enclosed with the tender.

- iii) Bidder should have authorization from the OEM for supply of Computer Spares, wherever applicable. Authorization certificate from OEM should be submitted along with the tender.
- iv) After awarding of the contract, successful bidder will submit a list of items within 7 days with detailed configuration and current status to be maintained duly vetted by ERP / EDP deptt. On the basis of joint inspection report & as advised by in – charge of ERP/ EDP deptt, it will be the responsibility of the selected vendor to arrange the spares for defective computers & rectify the same within 30 days. AMC of these machines will start only when they are rectified & accepted by user.
- v) Successful bidder shall submit a detailed report on the NET Working System of the different units with suggestion for further improvement in the system within 3 months of award of the contract.
- vi) Successful bidder will depute Expert / Senior Engineer to each location (Angus & Corporate) in every alternate week for checking & supervision of the works of resident Engineers and sort out all the pending issues till date.
- vii) Apart from the above, it will be the responsibility of the successful bidder to bring to the notice of the ERP deptt. regarding any issues which requires to be addressed immediately for successful operation of the machines and will get it solved within the next week. A register of all the issues wit date of reporting, actions taken, spares required, spares used including final solution & date to be maintained by the bidder.
- viii) If during the period of contract, new machines are procured by BCL, the same service as mentioned in Sl.no: A.2 will have to be provided without any extra cost.

PART – II: (PRICE PART)

1. Lump – sum price for the total AMC job shall only be quoted as per the following “Price Bid Format” Rate should be quoted both in words & figures. In case of difference, rates quoted in words shall be considered.
2. This part must be free from any condition.
3. No correction, over-writing etc is allowed for consideration.
4. Price Bid Part shall be opened only if Part-I is qualified. Bidders qualified in Part-I shall be intimated to attend opening of Price Bids.
5. Quoted rate shall be firm till the completion of the contract / order.
6. Any overwriting or correction in the price will lead to summarily rejection of the bid.
7. Bidder should quote rates as per Price Bid format considering scope of work and all terms & conditions of the tender.
8. Bidders should also quote separately item wise unit rates of spares for the items as given in Annexure-I. The quoted unit rates shall be inclusive of taxes & duties. Bidder shall also note tender conditions in this regards.

Price Bid Format:

Description	Lump-sum rate per month for the total job , excluding GST
Providing Facility Management Service (Non – Comprehensive basis) for maintaining of Desktops, Laptops, Printers (DMPs / DESKJETS / INKJETS / LASERJETS / Line Printers etc) Integrated LAN, HUB, FO Converter, Switches, Projector, Heavy Duty UPS, small UPS and other computer peripherals including Servers at Clive Works, Victoria Works, Angus Works and Corporate Office.	Rs..... In words (Rupees

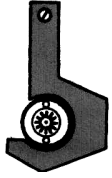
List of spare parts and other accessories :

Sl. no	Spares required for (Mother item)	Description of spares	Qty	Unit Rate (Rs)	GST	Total Amount (Rs)
1	DOT Matrix Printer	Printer Head PINS	1 no			
2		Printer Head Ruby Protector	1 no			
3		Logic Card Power Unit	1 no			
4		Plastic Gear	1 no			
5		Printer Paper feeding Roller	1 no			
6		Left and Right side wall	1 no			
7		P.F. Motor	1 no			
8		Paper Feeding Motor	1 no			
9		Power Switch	1 no			
10		Select Lever	1 no			
11		Paper Feeding Roller	1 no			
12		Printer Heads for Dot Matrix Printers	1 no			
13		Logic Card for Dot Matrix Printer	1 no			
14		Cable for Dot Matrix Printer	1 no			
15	Laserjet / All – in – One Laserjet Printer	Scanner Unit	1 no			
16		Teflon sheet	1 no			
17		Logic Card	1 no			
18		Power Supply	1 no			
19		Fuser Assembly	1 no			
20		Pick-up Roller	1 no			
21		Pressure roller	1 no			
22		Motor	1 no			
23		Main Mechanism	1 no			
24		Paper Tray	1 no			
25	Connecting cable for Scanner	lot				
26	Deskjet / Deskjet all in one Printer	Encoder Strip	1 no			
27		Logic Card	1 no			
28		Paper Gear	1 no			
29		Pick-up-Roller	1 no			
30		Pick-up Rubber	1 no			
31	CPU	CPU Cooling Fan	1 no			
32		CPU Heat Sink	1 no			
33		CPU Heat Sink Base	1 no			
34		SATA Cable	1 no			
35		PATA Cable	1 no			
36		SATA Power Converter	1 no			
37		CPU Power Switch	1 no			
38	CRT / TFT Monitor	Panel for TFT/LCD Monitor	1 no			
39		Power Unit for TFT/LCD Monitor	1 no			
40		VGA signal Cable	1 no			
41		TFT Signal Cable	1 no			
42		Micro Switch for CRT Monitor	1 no			
43		Variable Monitor Knob	1 no			
44		EHT	1 no			
45		PTC	1 no			
46		Out put Transistor	1 no			
47	UPS (APC, INTEX)	Logic Board for 650 VA UPS	1 no			
48		BATTERY FOR 650 va ups	1 no			

Sl. no	Spares required for (Mother item)	Description of spares	Qty	Unit Rate (Rs)	GST	Total Amount (Rs)
49	Mother Board	G - 31	1 no			
50		G - 41	1 no			
51		H – 55	1 no			
52		H - 61	1 no			
53		H - 81	1 no			
54		H / Z /Q 110, 150, 170	1 no			
55		B / H 250 / 270	1 no			
56		Processor	Dual Core/core2 Duo(775 socket), G-31 DDR2, G-41 DDR3	1 no		
57	Dual Core /i3/i5/i7 (1156 socket) H 55 DDR3 (1 st . Gen)		1 no			
58	Dual Core /i3/i5/i7 (1155 socket) H 61 DDR3 (2 nd . & 3 rd . Gen)		1 no			
59	Dual Core /i3/i5/i7 (1150 socket) H 81 DDR3 (4 th . Gen)		1 no			
60	Dual Core /i3/i5/i7 (1151 socket) H/z/q 110/150/170 (DDR4 RAM (6 TH . Gen)		1 no			
61	Dual Core /i3/i5/i7/i9 (1151 socket) B/H 250/270 (DDR4 RAM (7 th . Gen)		1 no			
62	Ethernet Switch Rack	Patch panel 24 port	1 no			
63		Power Manager	1 no			
64		Rack Fan	1 no			
65		1 Mtr & 2 Mtr CAT – 6 Patch Cord	1 no			
66	FO Converter	Optical Fiber Cable	1 no			
67		Optical Fiber 2 Mtr Patch Cord	1 no			
68		Optical Fiber 1 Mtr Patch Cord	1 no			
69	SCANNER	Scanner Belt	1 no			
70		Scanner unit	1 no			
71		Logic Card	1 no			
72		Scanner Glass	1 no			
73	Line Printer (Printonix ,Wipro)	Sprocket for LMP	1 no			
74		Sprocket for whole unit	1 no			
75		LMP SMPS	1 no			
76		Logic Card	1 no			
77		Censor unit	1 no			
78		LMP printer head	1 no			
79		Front panel	1 no			
80		Carriage rod	1 no			
81		Carriage Motor	1 no			
82		Carriage Mechanical unit	1 no			
83		P.F. Motor	1 no			
84		Select lever	1 no			
85	LCD Projector (Panasonic)	LCD Projector Lamp	1 no			
86		LCD Projector SMPS	1 no			
87		LCD Projector Logic Card	1 no			
88	Miscellaneous	UPS 650 VA / 1 KVA	1 no			
89		RJ 45 connector	1 no			
90		Spike buster board	1 no			
91		PC Cabinet	1 no			
92		SMPS	1 no			
93		Power Chord	1 no			
94		External hard drive 1 TB	1 no			
95		External hard drive 2 TB	1 no			

Sl. no	Spares required for (Mother item)	Description of spares	Qty	Unit Rate (Rs)	GST	Total Amount (Rs)
96	Miscellaneous	RAM 2 GB(1) DDR3 (2) DDR2 (3) DDR	1 no			
97		RAM 4GB(1) DDR3 (2) DDR2 (3) DDR4	1 no			
98		RAM 1 GB(1) DDR3 (2) DDR2 (3) DDR	1 no			
99		DVD combo	1 no			
100		Keyboard (reputed make)	1 no			
101		USB Mouse (reputed make)	1 no			
102		CMOS Battery	1 no			
103		Monitor (TFT 15.6", 19 ") reputed male (like – LG , Samsung, AOC, Dell)	1 no			
104		LAN HUB	1 no			
105		FO Converter & Adapter	1 no			
106		LAN Cable (CAT – 5)	1 no			
107		LAN Cable (CAT – 6)	1 no			
108		ADSL Modern / Router	1 no			
109		Hard drive 1 TB / 2 TB (internal)	1 no			
110		LAN Switch (8 port/ 16 port / 24 port)	1 no			
111		FO Converter & Adapter	1 no			
112		USB Pen Drive (8 GB) – HP/DELL/SONY	1 no			
113		USB Pen Drive (16 GB) – HP/DELL/SONY	1 no			
114		USB Pen Drive (32 GB) – HP/DELL/SONY	1 no			
115		Mouse pad	1 no			
116		DVD - (Frontech / Moserbeer / Sony0	1 no			
117		Laptop Battery – Dell / HP	1 no			
118		Laptop Adapter (65 A) – DELL / HP	1 no			
119		Laptop Internal DVD ROM	1 no			
120		Laptop LCD	1 no			
121		Laptop Mother board	1 no			
122		Laptop RAM 4 GB	1 no			
123		Laptop Processor	1 no			
124		Paper Cable (4, 6,8, 12)	1 no			
125	Laptop HDD 500 GB / 1 TB	1 no				
126	Laptop WIFI (internal)	1 no				
127	WIFI Router	1 no				
128	WIFI Adaptor	1 no				
129	PCI WIFI Card	1 no				

For Braithwaite & Co. Ltd.



ब्रेथवैट एण्ड कम्पनी लिमिटेड
(भारत सरकार का एक उपक्रम)

BRAITHWAITE & CO LIMITED

(A Government of India Undertaking)

Ministry of Railways.

HEAD OFF. & REGD. OFF. : 5, HIDE ROAD, CALCUTTA – 700 043,

TEL 2439-7415,2439-4114,2439-6613,2439-7413 FAX : 91(033)2439- 7632/5607

E-mail : purchase@braithwaiteindia.com

Website : www.braithwaiteindia.com CIN – U74210WB1976GOI030798

E N Q U I R Y

Tender No: BCL / PUR / AMC – COMPUTER/2015 – 16/R

DT. 23.05.2015

To,

M/s

.....

.....

" Sealed offers are invited for engagement of Service Provider / Contractor for providing Facility Management Service for maintaining of Desktops, Laptops, Printers (DMP / DESKJET /INKJET / LASERJET / Line Printers etc.) Integrated LAN, HUB,FO Converter, Switches, Projector, Heavy Duty UPS, small UPS and other computer peripherals at Clive Works Victoria Works, Angus Works and Corporate Office as per tender conditions".

The offer shall consists of two bid types :

Part – I : Techno-commercial & EMD
Part – II : Price Bid

All these parts shall be inserted separately in 2 (two) sealed envelopes super scribing tender number and part number. All two parts shall be put in 3rd envelop and all the envelops shall be super scribed without Tender No., Part No. and Due date.

Sealed tender, addressed to Dy. General Manager (MM), Braithwaite & Co. Ltd. 5, Hide Road, Kolkata – 700 043 may be reach us positively within **01.06.2015 AT 2.30 PM**

Techno-commercial bid shall be opened on **01.06.2015 at 3.00 PM** During opening of Techno-commercial Bid & EMD (Part – I),the bidders may depute their authorized representative to be present as witness. Price Bids(Part-II) shall be opened at a different date for which separate intimation will be sent to techno-commercially acceptable bidders. Such bidders may be present during opening of price bids.

Contd. P/2.

ix) Credentials:

- 1) Bidder should have executed similar type of Comprehensive / Non Comprehensive job of computers during last 7 years ending on 30.04.2015 in PSUs / Govt. Departments or Organizations / reputed private companies. Job completion certificate should be submitted along with the offer. Bidder shall submit relevant details & documents along with Techno-commercial Bid.
- 2) Bidder should have Service Tax Registration Copy of Service Tax Registration should be enclosed along with Techno-commercial (Part-I) Bid.
- 3) In case bidder is quoting from website display, the bidder shall submit copy of Trade License, Audited Balance Sheet and Profit & Loss Accounts for the last 3 years ending on 31.03.2014 apart from documents required in para (1 & 2) above.

x) Scope of Services :

13. Facility Management Service (Non – Comprehensive basis) :

- (ii) For maintenance of Desktops, Laptops, Printers (DMP / DESKJET/ INKJET/ LASERJET/ Line Printers etc), Integrated LAN,HUB,FO Converter, Switches, Projector, HEAVY Duty UPS (Without Spares) by following activities :
- (iii) OS maintenance, reinstallation as and when required.
- (iv) User account management – creation, deletion and transfer of mailboxes.
- (v) Data backup before formatting and loading the data after formatting.
- (vi) Driver support, up gradation on time to time.
- (vii) Managed switch reconfiguration if required with software support.
- (viii) Antivirus installation and updating.
- (ix) Network administration, Database administration.
- (x) Replacement of Printer Toner / Cartridges.
- (xi) Shifting of machines from one department to other department as and when required and installation of the machine at the location.
- (xii) Preventive and Breakdown Maintenance, as detailed in (C) and (D) below.
- (xiii) Any other activities related to maintenance of Computer and accessories.

List of Components :

SL. NO	ITEM , DESCRIPTION	QUANTITY
1	Personal Computer (Windows OS)	65
2	Personal Computer (Unix OS)	3
3	Laptop	7
4	Colour Inkjet Printer	4
5	Dot Matrix Printer	24
6	Line Matrix Printer	3
7	Colour Laser Jet	1
8	Black Laser Jet	9
9	Black Laser Jet (all – in-one) / (3 – in-one)	13
10	Projector	1
11	UPS Heavy Duty 5KVA / 3 KVA	2
12	LAN switch (8 port / 16 port / 24 port)	16
13	HUB 24 port	2
14	FO Converter	2
15	Integrated LAN	1

14. By co – coordinating with the user and the OEM (Dell / HP / Samsung) and ensuring the services of the OEM through logging of complaint and support for the Desktops / Laptops and Printer under warranty period. On expiry of the warranty period of some of the machines (as per mentioned list), the same may have to be maintained (without spares)

List of Components :

Sl. no.	Item Description	Quantity	Warranty till
1	Personal Computer (Windows 8.1 OS) Make – Dell.	19	Oct.2017
2	Laptop (Make – HP)	2	Oct.2015
3	Laser jet Colour Printer (Make – Samsung)	1	Oct.2015
4	Laser jet (B/W) all in one printer.	5	Oct.2015
5	Laser jet (B/W) printer	7	Oct.2015
6	UPS (650 VA)	19	Oct.2015
7	LAN Switch (8 port)	2	Oct.2015

For item no: 2 – 6, on expiry of the warranty period the same will be brought under the maintenance contract.

15. Non Comprehensive (without spares) services for maintaining the following servers:

Sl. no	ITEM , DESCRIPTION	QUANTITY
1	Wipro Net Power. CPU Intel Xeon @ 2,80 GHZ, RAM- 4GB, HDD – 120 GB, Serial nos: 05J 80800300001 and 04G 74124700001.	2
2	IBM e SERVER (X series 226). CPU Intel Xeon @ 3.40 GHZ, RAM – 4 GB, HDD- 140 GB Serial nos : IS 86486 BA 99 CLTN1 and MTM 86486 BA 99 CLTN 0	2

xi) Preventive Maintenance:

6. Cleaning of CPU cabinet-keyboard-mouse, Monitor, Drive clean up, Disk de-fragmentation, Error check, Switch Box clean up, Dotmatrix- Linematrix – Deskjet – Inkjet – Laserjet printer clean up and any other parts.
7. This Preventive Maintenance job should be carried out at least once in a month.
8. Fortnightly checking of all the Network Cables, Switches, Machines, Printers and submit a report to ERP / EDP Department for any defect.

xii) Repair and Breakdown Maintenance :

4. Each breakdown problem should be attended by the Resident Engineer within 30 mins from reporting or immediately after completing the call in case he is busy with other call. The modus operandi for the above will be as follows –
 - a) If the case is a general problem without requirement of any spares, the call must be rectified within the same day by deputing adequate resources.
 - b) In case of requirement of new spares, A joint inspection Report (JIR) with the authorized representative of ERP Department to be carried out on the same day and prior permission from In – Charge to be obtained before arranging the new spares.

Contd. P/4.

5. The necessary as per above is to be arranged within 2 days of prior permission of ERP Department and the machine to be made ready within the period, failing which a penalty @ Rs 100 /- per day will be each day delay till the problem is set right (the selected vendor is therefore advised to maintain a stock of spare parts at site or at their custody).
6. IT support staff should be trained enough to identify the exact problem related to the item and he should carry required peripherals to rectify the issue and consumables for testing purpose.

Supply of Spares:

The contractor / service provider may be required to supply some spares as per list enclosed with the tender on 'as and when' required basis in case of non-availability of such spares with BCL. However, the cost of such spares shall not exceed **Rs.12,500/- per month**. For the purpose of supply of spares, the bidder shall quote unit rates (inclusive of Taxes & Duties) in their price bid. Please see para for " **Spare parts and other accessories** " in this regards.

xiii) General Terms & Conditions:

xiv) Credential :

Bidder should have executed similar type of Comprehensive / Non – comprehensive job of computers during last 7 years ENDING ON 30.04.2015. Job completion certificate should be submitted along with the offer. Working experience in similar type of job in PSU / Govt. will be preferred.

xv) AMC period will be for 1 year from the date of Purchase Order.

xvi) The performance will be reviewed at the end of each month. In case the performance during the said period found un-satisfactory, required decision about the continuation of the service will be made by the BCL management.

xvii) Bidder should have requisite manpower like Hardware Engineer, Networking Specialist, System and Networking Engineer. A list of qualified manpower with area of expertise to be enclosed with the tender.

xviii) Bidder should have to procure from the OEM or their authorized dealers for supply of Computer Spares, wherever, applicable.

xix) After awarding of the contract, successful bidder will submit a list of items within 7 days with detailed configuration and current status to be maintained duly vetted by ERP / EDP Deptt. on the basis of joint inspection report & as advised by In – charge of ERP / EDP Deptt, it will be the responsibility of the selected vendor to arrange the spares for defective computers & rectify the same within 21 days. AMC of these machines will start only when they are rectified & accepted by user.

xx) Successful bidder shall submit a detailed report on the Net working System of the different units with suggestion for further improvement in the system within 2 months of award of the contract.

xxi) If during the period of contract, new machines are procured by Braithwaite, the same service as mentioned in sl.no : B (1) will have to be provided without any extra cost.

xxii) Resident Engineers and Working Hours:

- vi. It is mandatory to post two resident engineers (with adequate technical expertise and knowledge). Out of two, one engineer will be posted at ERP (H.O.) and other one will post at Angus Works. The above two Engineers should be assisted by specialist resources, as and when required.
- vii. The engineer posted at ERP (H.O.) will cover Corporate, Clive Works and Victoria Works.
Working hours for H.O. Engineer is from 9.30 am to 5.30 pm (Mon – Sat)
Working hours for Angus Works engineer is from 9: 30 am to 5: 30 pm (Mon-Sat)
- viii. Availability of the manpower should be maintained as explained. However, in case of absenteeism of deployed manpower, a suitable replacement to be provided by the party. Otherwise, in case of absenteeism or late coming, a proportionate amount will be deducted from Party's bill for a particular month based on the formula mentioned below:

The amount deductible = Monthly Total amount due X (Number of Hours absent in CW + Number of Hours absent in AW) / 8 (Number of working day in CW + Number of working day in AW).

xxiii) Payment Terms:

- v) 100% payment towards AMC charges will be made after 30 days against monthly bills. Service Tax shall be reimbursed against documentary evidence as payable as per rule.
- vi) Payment will be released on submission of bill along with User Feedback report in specified format to be provided by ERP Deptt./ BCL after award.
- vii) Payment towards supply of spares will be made against submission of bills and payment shall be made after 30 days. Bills for spares will supported with following documents:
 - g) Copy of JOINT Inspection Report, duly signed by BCL & Contractor.
 - h) Copy of Prior written permission issued by ERP Deptt.
 - i) Copy of challans, duly endorsed by ERP Deptt. of BCL .
 - j) No stock certificate issued by ERP Deptt of BCL.
 - k) Receipt certificate / MRR issued by ERP Deptt of BCL
 - l) ERP Deptt's receipt for return of old damaged parts.

xxiv) List of Spare parts and other accessories:

Probable list of spares, for above mentioned AMC job are enclosed with this tender documents in Annexure – I. Unit rate of these items shall be submitted along with Price Bid only. However, price for these items shall not be considered for evaluation, but successful bidder (L-1) may be required to accept the lowest rates received in the tender.

BCL may issue Dummy Order for the spares if necessary.

Rejected / damaged / replaced materials, if any, are to be returned to user department.

xxv) Security Deposit :

Successful bidder shall submit Security Deposit @ 5% of total order value in the form of Demand Draft / Pay Order or B.G. as per BCL's format within 15 days of receipt of Purchase Order.

- f. Contractors registered with NSIC, MSME, SSI, RDSO & DGS & D and PSU bidders are exempted from submission of Security Deposit. However, valid documents for registration of the items tendered to be submitted with the techno-commercial bid.
- g. Security Deposit will be discharged and returned to the contractor only on successful completion of contractor's obligation under the contract.
- h. As and when an amendment is issued to the contract, the contractor shall within 15 days of receipt of such an amendment furnish to the purchaser an amendment to the Security Deposit and / or Bank Guarantee rendering the same valid for the contract as amended.
- i. Security Deposit may also be built by deducting the amount proportionately from each bill of the contractor on their request. However, 50 % of the total amount of Security Deposit is to be deposited by the successful bidder on receipt of purchase order. Balance 50 % may be received from running bill.
- j. Submission of improper Bank Guarantee will lead either rejection of offer or cancellation of order.

xxvi) Performance Guarantee :

Successful bidder shall submit a Performance Bank Guarantee @ 5 % of total order value. The Performance Bank Guarantee shall be submitted before receipt of 1st payment. Performance Bank Guarantee will be discharged and returned to the contractor only on successful completion of contractor's obligation under the contract.

However, Security Deposit, if submitted, may be converted to Performance Guarantee.

- xxvii) Ordered price shall remain firm till completion of the total jobs.
- xxviii) BCL reserve the right to terminate the contract(s) / order(s) by giving 7 (seven) days notice at any point of time in case of poor performance / non-compliance of the terms & conditions.
- xxix) For any damage / loss of company's materials during execution of work, it will be a binding to the contractor to compensate for the damage done and amount of compensation will be as decided by Braithwaite.
- xxx) The contractor must take all safety measures for their employees during execution of job. Braithwaite, in no case, shall be held responsible for any mishap caused to contractor's employees during execution of job.
- xxxi) All the personnel for the contractor must have valid entry gate pass issued by BCL for working within Clive / Victoria / Angus Works & HO.

- xxxii) Braithwaite & Co. Ltd will not provide canteen facilities. Arrangement of meals & tiffin, if any, for contractor's employees will have to be made by the contractor from outside at his cost.

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xxxiii) Risk Purchase

In the event of failure or delayed execution of the AMC job within the reasonable period of time as decided by the purchaser. BCL reserves the right to get the job done by other Agency / Agencies as per the order on risk purchase basis and shall recover the extra cost thereof, if incurred on the contractor.

xxxiv) Liquidated Damages

In the event of failure on the part of the contractor to complete the job within the stipulated completion period Braithwaite reserve the right to recover a sum of 0.5% for every week or part thereof by way of L.D. subject to maximum limit of 10% of the ordered value.

xxxv) Arbitration

All questions, disputes or difference whatsoever shall arise between the purchaser and the contractor upon or in relation to or in connection with the contract either party may forthwith give to the other notice in writing of the existence of such questions, dispute or difference and the same shall be referred to the adjudication of sole arbitrator who shall be Managing Director and he shall have the right and authority to appoint any officer of the company not below the rank of a General Manager who is not directly connected with the Purchase order.

Such a reference submitted to the Arbitrator shall be deemed to be the submission to the Arbitrator within the meaning of the Arbitration and conciliation Act, 1996 statutory modification thereof. The proceedings of the Arbitration shall be held in Kolkata.

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

- xxxvi) The contractor's employees should be covered by proper insurance against any injury / accident or death. Braithwaite will not be held responsible on this account under any circumstances.

- xxxvii) The purchaser reserve the right to increase or decrease the ordered period / value during the currency of contract by not more than 30% of the ordered period / value on the same price and terms & conditions.

- xxxviii) BCL reserve the rights to place repeat order up to 75% maximum of the ordered period / value at the same rate, terms & conditions.

- xxxix) Quoted rate for AMC charges shall not include Service Tax. However, Service Tax shall be paid extra at actual as applicable as per Govt. rules against submission of documents evidencing payment of such taxes. Quoted unit rates of spares as per list in Annexure-I shall include all taxes & duties applicable for the respective items. No separate payment towards taxes & duties shall be paid on account of spares.

- xl) Unquoted price bid (without price) must be given along with part-I offer.

xli) ADDITIONAL TERMS & CONDITIONS OF THE TENDER

16. All corrections (if any) must be signed at the appropriate place by the signatory of the bidder, otherwise tender will be cancelled.

17. Offer should remain valid for 90 days from the date of opening of this tender.
18. Alteration, inclusion, deviation will not be allowed once the bid is submitted. However, Tender Evaluation Committee may demand further clarification / documents, if required/

Contd. P/8.

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19. BCL also reserves the right to cancel / discharge the tender at any point of time.
20. The bidders may contact ERP Department Officials of BCL at Corporate Office at 5, Hide Road, Kolkata – 43 for any query before quoting on any working day except Sunday & Holiday.
21. In respect of spares as given in Annexure-I, bidders shall submit list of items and quantities quoted by them and such list shall be given in their Techno-commercial Bid without any price figure.
22. Unconditional acceptance of all notes, terms & conditions of the tender, must be given along with the offer in Techno-commercial Bid (Part-I).
23. Tender will be considered cancelled if the documents required for Part – I (Techno – commercial Bid) & Part –II (price bid).
24. Tender will be considered cancelled if the documents required for Part-I (Techno-commercial Bid) & Part-II (Price Bid) bids are not placed in respective / proper envelopes.
25. Lowest bid shall be evaluated as per lowest lump-sum rate of AMC charges per month received from a bidder, exclusive of Service Tax, as per price bid format. Rates of spares as per lists in Annexure-I shall not come under evaluation of lowest bid.

PART I:

- 2) Bidder should submit necessary documents as required for the credentials given in the tender document.
- 3) Bidder must declare clearly without any condition that they shall provide full services towards the job that they had quoted for if they are awarded any order.
- 4) Tender will be considered cancelled if the documents required for Part-I & Part-II bids are not placed in proper / respective envelop.

5) Earnest Money Deposit:

- v. Earnest Money Deposit of **Rs.5,000/-** (Rupees Five thousand only) is required to be submitted by Demand Draft / Pay Order or in the form of Bank Guarantee in favour of Braithwaite & Co. Limited, payable at Kolkata. In case of BG, the validity period should initially be 120 days from the date of opening of tender. However, for SSI Units with valid single point registration with NSIC & MSME registered companies for the tendered item, payment of EMD & Security Deposit can be considered for exemption to the extent of monetary limit granted on submission of valid NSIC registration / MSME registration certificate for the items tendered. EMD is also exempted for vendors registered with RDSO / D.G.S.D. and for PSU bidders.
- vi. Earnest Money lodged by unsuccessful bidder and shall be refunded / released to them without any interest after finalization of a tender. For successful bidder, entire amount of EMD shall be retained by the company, till completion of submission of S.D or if so decided by the tenderer adjusted against security deposit for the said job.

vii. EMD will be forfeited or revoked if the bidder withdraws, amends, impairs or derogates and/or if the escalated later within the period of validity of their offer.

viii.No offer will be considered without EMD, except exemptions mentioned in the tender.

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PART – II: PRICE PART

9. Lump – sum price for the total AMC job shall only be quoted as per the following “Price Bid Format” Rate should be quoted both in words & figures. In case of difference, rates quoted in words shall be considered.

10.This part must be free from any condition.

11.No correction, over-writing etc is allowed for consideration.

12.Price Bid Part shall be opened only if Part-I is qualified. Bidders qualified in Part-I shall be intimated to attend opening of Price Bids.

13.Quoted rate shall be firm till the completion of the contract / order.

14.Any overwriting or correction in the price bid will lead to summarily rejection of the bid.

15.Bidder should quote rates as per Price Bid format considering scope of work and all terms & conditions of the tender.

16.Bidders should also quote separately item wise unit rates of spares for the items as given in Annexure-I. The quoted unit rates shall be inclusive of taxes & duties. Bidder shall also note tender conditions in this regards.

Price Bid Format:

Description	Lump-sum rate per month for the total job (including Preventive Maintenance job), excluding Service Tax
Providing Facility Management Service (Non – Comprehensive basis) for maintaining of Desktops, Laptops, Printers (DMPs / DESKJETs / INKJETs / LASERJETs / Line Printers etc) Integrated LAN, HUB, FO Converter, Switches, Projector, Heavy Duty UPS, small UPS and other computer peripherals including Servers at Clive Works, Victoria Works, Angus Works and Corporate Office.	Rs..... In words (Rupees

For Braithwaite & Co. Ltd.

Contd. P/10.

Braithwaite & Co. Ltd

List of spare parts and other accessories :

Sl.no	Spares required for (Mother item)	Description of spares	Qty	Rate/unit (Rs)
1	DOT Matrix Printer	Printer Head PINS	1 no	
2		Printer Head Ruby Protector	1 no	
3		Logic Card Power Unit	1 no	
4		Plastic Gear	1 no	
5		Printer Paper feeding Roller	1 no	
6		Left and Right side wall	1 no	
7		P.F. Motor	1 no	
8		Paper Feeding Motor	1 no	
9		Power Switch	1 no	
10		Select Lever	1 no	
11		Paper Feeding Roller	1 no	
12		Printer Heads for Dot Matrix Printers	1 no	
13		Logic Card for Dot Matrix Printer	1 no	
14		Cable for Dot Matrix Printer	1 no	
15	Laserjet / All – in – One Laserjet Printer	Scanner Unit	1 no	
16		Teflon sheet	1 no	
17		Logic Card	1 no	
18		Power Supply	1 no	
19		Fuser Assembly	1 no	
20		Pick-up Roller	1 no	
21		Motor	1 no	
22		Main Mechanism	1 no	
23	Paper Tray	1 no		
24	Deskjet / Deskjet all in one Printer	Encoder Strip	1 no	
25		Logic Card	1 no	
26		Paper Gear	1 no	
27		Pick-up-Roller	1 no	
28		Pick-up Rubber	1 no	
29	CPU	CPU Cooling Fan	1 no	
30		CPU Heat Sink	1 no	
31		CPU Heat Sink Base	1 no	
32		SATA Cable	1 no	
33		PATA Cable	1 no	
34		SATA Power Converter	1 no	
35		CPU Reset Switch	1 no	
36		CPU Power Switch	1 no	
37	CRT / TFT	Panel for TFT/LCD Monitor	1 no	
38		Power Unit for TFT/LCD Monitor	1 no	
39		VGA signal Cable	1 no	
40		TFT Signal Cable	1 no	

41	Monitor	Micro Switch for CRT Monitor	1 no	
42		Variable Monitor Knob	1 no	

Contd. P/11.

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Sl.no	Spares required for (Mother item)	Description of spares	Qty	Rate/unit (Rs)
43	UPS	UPS Power Card 3 KVA	1 no	
44		IGBT 3 KVA	1 no	
45		UPS Controller Card 3 KVA	1 no	
46		UPS Power card 5 KVA	1 no	
47		IGBT 5 KVA	1 no	
48		UPS Controller Card 5 KVA	1 no	
49		Logic Board for 500-600 VA UPS	1 no	
50		Battery 12 V 7 amp	1 no	
		Battery 12 V 12 amp	1 no	
		Battery 12 V 18 amp	1 no	
		Battery 12 V 26 amp	1 no	
		Battery 12 V 42 amp	1 no	
		Battery 12 V 65 amp	1 no	
51		Ethernet Switch Rack	Patch Panel 24 Port	1 no
52	Power Manager		1 no	
53	Rack Fan		1 no	
54	1 Mtr CAT-6 Patch Cord		1 no	
55	FO Converter	Optical Fiber Cable	1 no	
56		Optical Fiber 2 Mtr Patch Cord	1 no	
57		Optical Fiber 1 Mtr Patch Cord	1 no	
58	SCANNER	Scanner Belt	1 no	
59		Scanner Unit	1 no	
60		Logic Card	1 no	
61		Scanner Glass	1 no	
62	Line Printer (Printonix, Wipro)	Sprocket For LMP	1 no	
63		Sprocket for Whole Unit	1 no	
64		LMP SMPS	1 no	
65		Logic Card	1 no	
66		Censer Unit	1 no	
67		LMP Printer Head	1 no	
68		Front Panel	1 no	
69		Carriage Rod	1 no	
70		Carriage Motor	1 no	
71		Carriage Mechanical Unit	1 no	
72		P.F. Motor	1 no	
73		Select Lever	1 no	
74	LCD Projector (Panasonic)	LCD Projector Lamp	1 no	
75		LCD Projector SMPS	1 no	
76		LCD Projector Logic Card	1 no	

Contd. P/12.

Sl.no	Spares required for (Mother item)	Description of spares	Qty	Rate/unit (Rs)
77	Miscellaneous	UPS 650 VA/1 KVA	1 no	
78		RJ 45 Connector	1 no	
79		Spike Buster Board	1 no	
80		PC Cabinet	1 no	
81		SMPS	1 no	
82		Power Chord	1 no	
83		Mother Board (1) Intel Chipset (2) Intel Original	1 no	
84		External Hard Drive 1 TB	1 no	
85		External Hard Drive 500 GB	1 no	
86		RAM 2 GB (1) DDR3 (@) DDR2 (3) DDR	1 no	
87		RAM 4 GB (!) DDR3 (2) DDR2 (3) DDR	1 no	
88		RAM 1 GB (!) DDR3 (2) DDR2 (3) DDR	1 no	
89		DVD Combo	1 no	
90		Keyboard (reputed make)	1 no	
91		USB Mouse(reputed make)	1 no	
92		Processor (1) Dual Core (2)i3 (3) Pentium3, (4) Pentium 4 (5) /Core to Duo	1 no	
93		CMOS Battery	1 no	
94		Monitor(TFT 15', 18') reputed make like LG, Samsung	1 no	
95		LAN HUB	1 no	
96		FO Converter & Adapter	1 no	
97		LAN Cable (CAT 5)	1 no	
98		LAN Cable (CAT 6)	1 no	
99		CMOS Battery	1 no	
100		ADSL Modem / Router	1 no	
101		Hard Drive 500 GB	1 no	
102		LAN Switch(8 Port / 16 Port / 24 Port)	1 no	
103		LAN HUB	1 no	
104		FO Converter & Adapter	1 no	
105		USB Pen Drive (8 GB)	1 no	
106		USB Pen Drive (16 GB)	1 no	
107		USB Pen Drive (32 GB)	1 no	

