

Rate Contract
Government of India
Directorate General of Supplies & Disposals
Jeevan Tara Building, 5 Sansad Marg
New Delhi-110001
Tel Number 23360610/23360537

Digitally signed by:
RANVIR SINGH
Email Id:
ranvirsingh.dgsnd@nic.in

Rate Contract no. Computers/IT-1/RC-71090000/1215/81/O0259/4541
Dated 17-MAR-15

To,

HEWLETT PACKARD INDIA SALES PVT LTD.
Building No. 2, Tower D&E, 2nd to 4th Floor, DLF Cyber Green, DLF
Cyber City, Phase - III,

Sales Enquiry - 18004254999, in.contact@hp.com
Order Status - 9311536145, dgsnd.cell@hp.com
Gurgaon

Sub: Rate Contract for supply of Computers, Desktop and Peripherals
Validity: From 17-MAR-15 To 11-MAR-16 .

Ref:(1) This Office Tender Enquiry No. Computers/IT-1/RC-71090000/1215/81
Opened on 06-JAN-15.
(2) Your Quotation No. 6537 And Dated
06-JAN-15.

Dear Sir,

You are hereby informed that your above referred tender read with subsequent letters mentioned above for the Stores specified in the Schedules annexed has been accepted. This rate contract will be governed by the terms and conditions brought in the Form no. DGS&D 1001 including DGS&D Arbitration Clause available from DGS&d sales counter on payment of Rs. 50/- The dispute cannot be referred by the contractor or entertained by facilitation Council or any other adjudicating forum. The Rate Contract and the schedules annexed here to shall be the sole repository of this Rate Contract/Transaction.

SCHEDULES ANNEXED

1. Schedule "A" Description of stores, prices, duties/taxes.
2. Schedule "B" special conditions of contract / Other information.
3. Schedule "C" Information to DDOs about parallel rate contracts.
4. Annexure - Technical Specification
5. Schedule "D" - [Format of Letter of Authority](#)

"Suspense Account facilities for indentors of Central Civil Ministries/Departments and UT Administration, except for M/o Defence, M/o Railways and D/o Posts, have been withdrawn with effect from 03.07.2012. As per revised procedures/guidelines, the indentors are required to place funds at the disposal of O/o Chief Controller of Accounts (Supply), D/o Commerce, 16-A, Akbar Road Hutments, New Delhi-110011 in the form of letter of Authority. The format of Letter of Authority is attached. The indentors are advised to allocate funds to cover the cost of stores ordered, which includes value of supply orders inclusive of all duties & taxes as per relevant Rate Contract plus 5% of the value of supply order towards other incidental charges in case of Rate Contract with firm & final prices or 10% of the value of supply order towards other incidental charges in case of rate contract with price variation clause. In addition, indentors are also required to include 2.0% of the cost of the stores (i.e. value of supply order + incidental

charges) as DGS&D department charges. Supply Order not accompanied with letter of authority in the prescribed format along with requisite funds shall not be considered as valid supply orders. Ink-signed copy of Letter of Authority is to be sent to the Office of chief Controller of Accounts(Supply),D/o Commerce,16-A, Akbar Road Hutments, New Delhi-110011 by Speed Post under intimation to RC holder.Purchase Directorate concerned in DGS&D Headquarters and Inspecting Officer concerned.

The above instructions shall apply to all supply orders placed on or after 03.07.2012."

Yours Faithfully,

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Assistant Director(S)/Section Officer/Dy.Director/Director/DDG(S)
For and on behalf of the purchaser named in the Form DGS&D 1001.

COPY TO:

- 1.The Chief Controller of Accounts,Department of commerce,New Delhi/
COA Mumbai/COA Kolkata,COA Chennai.
(Through authentication cell) This issues with the approval of competent authority.
- 2.Deputy Director General of Supplies & Disposals,Chennai -10 copies each
- 3.Deputy Director General of Supplies & Disposals,Kolkata -10 copies each
- 4.Deputy Director General of Supplies & Disposals,Mumbai -10 copies each
- 5.Deputy Director General (QA),Kolkata -10 copies each
- 6.Deputy Director General (QA),Chennai -10 copies each
- 7.Deputy Director General (QA),Mumbai -10 copies each
- 8.Deputy Director General (QA),DGS&D -10 copies each
- 9.Inspection Authority ADG(QA) DGS&D New Delhi - 110001.
- 10.Quality assurance Officer Director (QA) Delhi Directorate/ Mumbai,Chennai/Kolkata.
- 11.Concurrent Audit
- 12.MIS Cell
- 13.Ledger clerk
- 14.O.L.Section
- 15.All Direct Demanding Officers as per mailing list maintained by DGS&D.
- 16.Concerned CQA(for defence item only)-As per Clause 19 of RC
- 17.Concerned SQAQO(for defence item only)-As per Clause 20 of RC

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Assistant Director (S) / Section Officer / Deputy Director/Director/DDG(S)
FOR DIRECTOR GENERAL OF SUPPLIES & DISPOSALS

SCHEDULE - A

1. Rate Contract No.: - Computers/IT-1/RC-71090000/1215/81/O0259/4541
Dated 17-MAR-15 For the Supply of Computers, Desktop and Peripherals

2. Advance Rate Contract No.: - Nil
Dated

3.(a) Name and Full Address of the Firm :-

HEWLETT PACKARD INDIA SALES PVT LTD.
Building No. 2, Tower D&E, 2nd to 4th Floor, DLF Cyber
Green, DLF Cyber City, Phase - III,

Sales Enquiry - 18004254999, in.contact@hp.com
Order Status - 9311536145, dgsnd.cell@hp.com
Gurgaon
HARYANA - 122002
Tel. No. -
Fax -
Email - dgsnd.cell@hp.com

(b) Name and Full Address of Manufacturer :-
As mentioned in Schedule - B.

(c) Brand: HP

4. Validity of Rate Contract: 17-MAR-15 To 11-MAR-16

5. Description of Item, Specification, Unit, Rate

Item Model No.	Store Description	ED	ED%	CST/VAT	CST/VAT%	Service Tax	Unit	Rate (in Rs)
27 HP 400 G1	All-in-one Desktop Computer with preloaded Operating System						NOS.	37000 Rs. THIRTY-SEVEN THOUSAND ONLY
		N.A				Excl.	5	
	Min.Order Qty(in unit):- 1			Lead Time(in days):- 30				Rate of Supply(monthly):- 10
From Date FY1:	01-APR-14			DeitY DVA(%) FY 1: 30		Bidder DVA (%) FY1: 0		PMA: N
From Date FY2:	01-APR-15			DeitY DVA(%) FY 2: 35		Bidder DVA (%) FY2: 0		PMA: N
Country of Origin:	China							
28 HP 400 G1	All-in-one Desktop Computer with preloaded Operating System						NOS.	33500 Rs. THIRTY-THREE

THOUSAN
D FIVE
HUNDRED
ONLY

	N.A	Excl.	5	
	Min.Order Qty(in unit):- 1	Lead Time(in days):-30	Rate of Supply(monthly):-10	
From Date FY1:	01-APR-14	DeitY DVA(%) FY 1: 30	Bidder DVA (%) FY1: 0	PMA: N
From Date FY2:	01-APR-15	DeitY DVA(%) FY 2: 35	Bidder DVA (%) FY2: 0	PMA: N
Country of Origin:	China			

- 6-Terms of Delivery: As mentioned in Schedule - B.
- 7-Excise Duty: ED NA at present and will not be charged even if it is applicable later on
- 8-Sales Tax: Extra @ 5%.
- 9-Delivery Period: As per Clause 5, Upto first 10 Nos within 60 days, thereafter, 10 Nos per month.
- 10(a)-Annual Turnover: .
- (b)-Monetary Limit(In Rs.): Without Any Limit
- 11-Payment Terms: M/s. Hewlett Packard India Sales Pvt. Ltd. has been granted Green Channel for items of the subject rate contract and they are allowed to self certify quality of the products against the stores of the RC as per their format duly stamped. DGS&D Inspection is waived in their case. Consequently, the payments would be made against the Rate Contract for 90% / 10% basis against CRC nos. 1, 2, 3, 4, 5 & 6.
- 12-Slab Discount Clause: NIL
- 13-Prices: FIXED
- 14-Quantity Offered: .
- 15-Minimum Quantity in Single Supply Order:
- 16-Minimum order Value in Single Supply Order:
- 17-Status of the RC Holding Firm: LSI
- 18-Paying Authority: PAO,User Deptt

(a)The payment to the suppliers in all the adhoc Contract (A/Ts) and / or Supply Order placed against DGS&D Rate Contracts shall be made directly by indentors i.e. order placing authority through their concerned Pay & Accounts Offices only, instead of CCA(Supply) or its Regional Pay & Accounts Offices of Department of Commerce.

(b)The payment to the supplier shall be paid by the indentors as per prescribed forms of payments including timelines for payments within 60 days of due date which must be ensured by the indentors.Delays,if any, in this regard would render the indentors responsible and not the DGS&D in any manner whatsoever.

(c)Consequently,the requisite Departmental charges + prevailing Service Tax thereon shall be deposited by the respective Pay & Account offices (PAO) of the indentors directly to the Receipt Head Account of DGS&D as prescribed by CGA.

(d)Indentors shall be directly responsible for any non-compliance/default for the afore-said provisions.

19-Inspection Authority:

Not applicable since the firm is holding Green channel status for subject stores

20-Quality Assurance Officer/Inspecting officer:

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For stores procured against DGS&D Rate Contract the Inspection Officer would be:

(i) User Departments/DDO/Consignee itself or any authority/agency appointed by them or

(ii) Additional Director General (QA) in DGS&D (if desired by user Departments/DDO/Consignee).

21-Place where the Stores are to be Tendered for Inspection:

Not Applicable being Green Channel Firm

22-R/C is DDOs Operated:

Yes

With effect from First October two thousand eight (01-10-2008),all supply order(s) against this Rate Contract must be placed by Direct Demanding Officer(s) on-line through D.G.S&D web site (www.dgsnd.gov.in) (indentor's page) only. Supply order(s) in any other form placed on or after 01-10-2008 shall not be valid and shall not be acted upon by the contractor or any other concerned agencies.

DDO shall download the supply order and send an ink signed copy to the concerned paying authority specified in the rate contract through Registered / speed post immediately after on-line placement of Supply Order(s).

23-Packing & Specification :

see annexure

24- Departmental Charges : Departmental charges at the rates prescribed by government from time to time shall be levied,for the services rendered by the Directorate General of Supplies and Disposal,in regard to Purchase & Inspection. The rates currently applicable for departmental charges in regard to purchase and inspection of stores against DGS&D R/C.

24(a) For Purchase : - Departmental Charges will be levied @1.0% of the value of the contract or supply order placed against the DGS&D rate contract.

24(b) For Inspection :- Departmental Charges will be levied @1.0% of the value of the contract or supply order placed against the DGS&D rate contract.

24(c). The value of the Contract or Supply Order shall be all inclusive basis including all taxes & duties. Service tax at prevailing rate as applicable shall be chargeable as extra on the Departmental Charges.

24(d) Such direct/referral Supply Orders being placed by various Government users on Rate Contract holding firms or their dealers/sub agents,obtaining supplies and making direct payments to the firms for the cost of stores prescribed in the Rate Contracts are liable to pay a nominal fee as Departmental Charges @0.25% of the value of Supply Order (all inclusive including taxes & duties) + Service Tax extra as applicable. After receipt of Supply Order,the firm will deposit the said Departmental charges + service tax thereon at the rates provided in the R/C to the concerned Controller of Accounts (CCA) viz. Delhi/Mumbai/Kolkata/Chennai, as the case may be ,as indicated in the R/C by way of Demand Draft/Bank Transfer. In case , the supplies are made in installments, the aforesaid Departmental charges + Service Tax can be paid by the firm with CCA on pro-rata basis based on the value of the supplies made. In case no supplies are made, Departmental charges would not be payable / claimable as no service would deem to have been rendered by DGS&D. The firms can claim Departmental charges from PAO of the indentor for the direct/referral orders placed by them.Those who err/conceal/misrepresent/default in payment of prescribed Department Charges would be viewed adversely and shall

be liable for actions as deemed fit by DGS&D including de-registration, debarring or suspension of business dealings, blacklisting, bad performance and denial of further Rate Contracts etc, in addition to recovery of the requisite amounts. It would be the responsibility of the user department to ensure that the prescribed departmental charges have been paid by the supplier before releasing their payments for the supplies. The firm would also disclose the same to DGS&D.

24(e) The Referral /Direct Orders placed by the indenter by tweaking DGS&D Rate Contract terms & condition and/or Specifications and obtaining the supplies within 1% of the DGS&D Rate Contract prices, such transactions will fall within the purview of DGS&D Rate Contract and will also attract the aforesaid Departmental Charges @0.25% of the value of stores ordered and supplied alongwith applicable Service Tax thereon.

24(f) In the event of placing such Referral/Direct Supply Orders, indentors shall send e-mail to DGS&D for which a special provision would be provided on DGS&D website. While the indentors placing on-line Supply Order on DGS&D e-procurement portal shall have the protection under the terms & conditions of DGS&D Rate Contract, the same would not be available in case they choose to place paper Supply Order and such transactions would be at their own risk.

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Asstt. Director (S) / Section Officer / Dy. Director
For and behalf of the purchaser named in the Form DGS&D 1001.

All the R/C particulars including prices in respect of individual R/Cs are available on DGS&D website which can be accessed by all. The DGS&D website is <http://dgsnd.gov.in>

SCHEDULE - B

Guaranty/Warranty Certificate : It is certified that the stores supplied are brand new, unused, non-refurbished and original and they full confirm to the technical specifications and description given in the subject Rate contract. It is further certified that the supplied stores are covered by the OEM Guaranty/Warranty as per the Subject Rate Contract. TEST REPORTS FOR REGISTRATION AND ACCEPTANCE OF GOODS:

In case of products having satisfactory test reports from International Laboratory Accreditation Cooperation (ILAC) or their worldwide affiliated/recognized labs or NABL approved labs, it would be sufficient to consider the products of requisite quality for acceptance without insistence for any further testing pursuant to DGS&D Manual Correction Slip No. 38 dated 18-12-2012.

Other Information

Green Channel - M/s. M/s Hewlett Packard India Sales Pvt. Ltd. has been granted Green Channel Status for items of the subject rate contract and they are allowed to self certify quality of the products against the stores of the RC as per their format duly stamped.

GUARANTEE/WARRANTY CLAUSE: Stores shall confirm to guarantee/warranty clause for a period of 36 months from the date of commissioning / demonstration, as per clause 18 of Form no. DGS&D-1001. with the following additional provision:- Once the user Department/Consignee states/writes that the goods supplied are defective/not functioning properly, it must be obligatory on the part of the supplier to immediate, not later than 7 days, attend to it by way of rectification/repair or replacement of the goods, without any questioning or pretexts on any ground. There shall be no scope of questioning the user department/consignee or resorting to any kind of verification or joint inspection in this regards, pursuant to DGS&D Manual Correction Slip No.37 dated 18.12.2012.

OCTROI DUTY AND LOCAL TAXES Normally the stores supplied to Government Departments against Government Contracts are exempted from levy of town duty, Octroi Duty, Terminal Tax and other levies of local bodies against production of Exemption Certificate from authorised officers. Whenever required, the Contractors should approach the purchaser/Indentor/Consignee for the same in time along with despatch details to avoid payment of such local taxes or duties.

TERMS OF DELIVERY- Terms of Delivery are :Free delivery at site including installation and commissioning. For details of Terms of Delivery & Despatch instructions refer Clause-4 of DGS&D- 1001.

Paying Authority:-

The Paying Authority against this R/C shall be as under:-

- (a) The payment of the supplier for all the Supply orders placed against DGS&D subject Rate Contracts awarded on the basis of this office Tender Enquiries for subject item shall be made directly by indentors i.e. order placing authority through their concerned Pay & Accounts Offices only, instead of CCA (Supply) or its Regional Pay & Accounts Offices of Department of Commerce.
- (b) The payment to the supplier shall be paid by the indentors as per prescribed forms of payments including timelines for payments within 60 days or due date which must be ensured by the indentors. Delays, if any, in this regard would render the indentors responsibility and not the DGS&D in any manner whatsoever.
- (c) Consequently, the requisite Departmental charges + Prevailing Service Tax thereon shall be deposited by the respective Pay & Accounts Offices (PAO) of the Indentors directly to the Receipt Head Account of DGS&D as prescribed by CGA.
- (d) Indentors shall be directly responsible for any non-compliance / default for the afore-said provisions.

Inspection Authority:- As per correction slip No. 53 dated 10.09.2013, for all the stores procured against DGS&D Rate Contract, the inspection officer would be :-

User Departments / DDO/Consignee itself or any authority/agency appointed by them

OR

Additional Director General (QA) in DGS&D (if desired by user Department / DDO/Consignee)

Note:- The Rate Contract for AMC has also been granted for the corresponding Desktop Top Computer / All-in-one Desktop Computer RC items. The prices for Comprehensive AMC including spares after expiry of warranty period of legal value leviable on stores shall be as under:-

(i) AMC / Extended Warranty Support (Beyond Warranty period) for first year - 7%.

(ii) AMC / Extended Warranty Support (Beyond Warranty period) for second year - 8%

Note:- Service tax will be charged extra @ 12.36% for AMC.

Terms and conditions for AMC are as under:-

(i) AMC shall be entered into by the consignee with the supplier directly as per the AMC rates as per R/C or at a lower rate.

(ii) Consignees shall be making quarterly payments against the AMC.

(iii) Maximum down time shall be one day and there will be a penalty of payment as decided by the user and supplier together, for down time of more than one day.

Provision of Payment terms :-

(a) Payment will be made on CRC basis. It only be tokens the receipt of stores by the consignee and is without prejudice to his rights of rejection under the general condition to contract. It is issued on said to contain basis the Contractor remaining responsible for proving the total quantities actually delivered. Consignee mentioned in the CRC Copy No. 1, 2 & 3 should sign (in INK) & put his official rubber stamp on the Advance Payment Copy of CRC Copy no. 1, 2 & 3 IMMEDIATELY on the receipt of the material and handover the same to the company's authorized representative. Where this is not possible or inconvenient, it should be signed (in INK) by an official authorized by the consignee in that behalf. In such cases, the official signing the receipt certificate should indicate his designation and the official on whose behalf he is signing; and put his official rubber stamp.

(b) Balance payment of 10% against CRC No. 4, 5 & 6 confirming acceptance of stores in full & good condition by consignee. Consignees should release CRC copy of 4, 5 & 6 against confirming acceptance of stores in full & good condition by consignee of receipt of stores. In cases where the supply is incomplete or defective supplier do not carry out commissioning/demonstration of the stores above, the consignee shall report such cases immediately to the supplier and DGS&D.

(c) In cases where the consignees do not release copy no 4, 5 & 6 of C.R.C. above for the reasons which are considered not valid by the supplier, they may approach DGS&D with complete details for authorization of balance payment without copy 4, 5 & 6 of C.R.C. and the same shall be considered by DGS&D on merits of each case.

Manufacturing plant Address:-

(i) Hewlett-Packard Singapore (Pte) Ltd 452 Alexandra Road Singapore 119961

(ii) Hewlett Packard India Sales Pvt. Ltd. PLOT NO 9 ,10, 11A, 35 ,36, 37A SECTOR 5 II E PANTNAGAR
UTTARANCHAL 263153

SCHEDULE - C

List of Parallel Rate Contract For Computers, Desktop and Peripherals

Sr.No.	NAME & FULL ADDRESS OF FIRM	R/C NO & DATE
1	<p>LENOVO (INDIA) PRIVATE LIMITED Vatika Business Park, 1st Floor, Badshahpur Road, Sector - 49, Sohana Road, Gurgaon - 122001 Contact Person - Mr. Bhanu Pratap Singh - 09611186591 - bsingh@lenovo.com Mr. Vikas Gera - 09811154042 Gurgaon HARYANA 122002</p>	<p>Computers/IT-1/RC- 71090000/1215/81/04878/4542 17-MAR-15</p>
2	<p>KBS COMPUTERS PVT LTD KBS House Plot no EL 118 MIDC Mahape Navi Mumbai 400710 NAVI MUMBAI MAHARASHTRA 400710</p>	<p>Computers/IT-1/RC- 71090000/1215/81/01542/4543 17-MAR-15</p>
3	<p>INGRAM MICRO INDIA PVT. LTD. 5th Floor Block B Godrej IT Park 02 Godrej Business District Pirojshahnagar Vikhroli West, Mumbai Sales Enquiry - in.dgsnddellsales@ingrammicro.com Ph. 011-39195001 MUMBAI MAHARASHTRA 400079</p>	<p>Computers/IT-1/RC- 71090000/1215/81/06874/4545 24-MAR-15</p>
4	<p>HEWLETT PACKARD INDIA SALES PVT LTD. Building No. 2, Tower D&E, 2nd to 4th Floor, DLF Cyber Green, DLF Cyber City, Phase - III, Sales Enquiry - 18004254999, in.contact@hp.com Order Status - 9311536145, dgsnd.cell@hp.com Gurgaon HARYANA 122002</p>	<p>Computers/IT-1/RC- 71090000/1215/81/O0259/4541 17-MAR-15</p>
5	<p>HCL INFOSYSTEMS LTD. E-4, 5 & 6, Sector - 11, Noida Contact PErson - Mr. Dilip Agarwal, 09871199257, dilip@hcl.com Noida UTTAR PRADESH 201301</p>	<p>Computers/IT-1/RC- 71090000/1215/81/F0417/4547 24-MAR-15</p>
6	<p>HLBS TECH P. LTD.</p>	<p>Computers/IT-1/RC- 71090000/1215/81/06755/4544</p>

6	<p>243B ZONE 1 MP NAGAR BHOPAL MP BHOPAL MADHYA PRADESH 462011</p>	<p>Computers/IT-1/RC- 71090000/1215/81/06755/4544 18-MAR-15</p>
7	<p>DATAMINI TECHNOLOGIES (INDIA) LTD UNIT NO 101/ 104, SDF IV, SEEPZ, ANDHERI- EAST. MUMBAI - 400096 Contact Person - Sayeed Khan - 09833117082, sayeed@datamini.co.in Praful Pawaskar - 09870700089, MUMBAI MAHARASHTRA 400096</p>	<p>Computers/IT-1/RC- 71090000/1215/81/06643/4546 24-MAR-15</p>
8	<p>VARDHAMAN TECHNOLOGY PRIVATE LIMITED Unit No. 002, Raheja Plaza 1 LBS Marg, Ghatkopar West, Mumbai Contact Person - Mr. Akash Sutane, 09820229460, akash@vardhamantechnology.com MUMBAI MAHARASHTRA 400086</p>	<p>Computers/IT-1/RC- 71090000/1215/81/06867/4548 24-MAR-15</p>

NOTE:

(1) Before placing supply order, DDOs are advised to check with DGS&D or on the website whether any further RCs have been awarded or amendments to Rate Contract have been issued.

(2) All the R/C particulars including prices in respect of individual R/C's are available on DGS&D website, which can be accessed by all. The access code of DGS&D website is <http://dgsnd.gov.in>.

ANNEXURE

(I) Type tests :

Type testing shall consist of verification of all the features & functional requirements including environmental tests, Safety test (as per GTR Cl. (II) (A) 3) and ESD test (as per GTR Cl. (II) (B) 1 and Drop test(as per clause II(C)). Type test reports shall be available with all the bidders and shall be submitted for verification as and when requested to do so by the purchaser. Type test reports shall be furnished for each type of Processor mounted on each type of Chipset. (For Example: Intel Core i3 with H8 series chipset one type test report and Intel Core i3 with Q8 series chipset another type test report to be furnished. similarly for other Intel Processors, AMD Processors A6, A8 & A10 on each type of chipset as applicable of schedule items) The Type Test Reports (TTCs) shall be from International Laboratory Accreditation Corporation(ILAC) or their worldwide affiliated/recognized labs or NABL approved labs as per DoC Correction Slip No. 38 dated 18.12.2012 of DGS&D Manual.

Environmental Tests :

The environmental tests sequence will be as under:

1. Dry Heat : For 16 hrs. at a temp. of 45 degree C in accordance with IS:9000/part-3/section-5/1977 (reaffirmed in 2007).
2. Cold Test : For 4 hrs. at a temp. of 0 degree C in accordance with IS:9000/part-2/section-4/1977 (reaffirmed in 2007).
3. Damp Heat Test : For 2 Cycles of 24 h each at a temp. of 40 degree C & 95% RH in accordance with IS:9000/part-5/section-1/1981 (reaffirmed in 2007).

After each environmental test and a recovery period of two hours, the product shall be checked for complete functional and feature verification and there shall be no deterioration in functional performance.

(II) Inspection and testing :

(A) Manufacturers shall have the following facilities :

1. Licensed version of suitable diagnostic software to test hardware components such as motherboard and its components like chip set, DMA controller, memory controller, input/output controller and availability of bad sectors on hard disk drives etc. It should also be possible to check serial, parallel & USB ports using special loop back connectors.
2. Suitable pattern generator software to check the monitors of different characteristic .
3. Facility to measure leakage current, IR, resistance to earth and HV (1500v for 1 min) for checking the safety aspect of the complete system.

(B) Manufacturers shall also preferably have the following facilities :

1. An ESD simulator of 8KV to check ESD susceptibility. All the susceptible

points shall be checked by giving at least 10 shots of ESD discharge through air(each of 8 KV) & 10 shots of ESD discharge through contact (each of 4 KV)while diagnostic software is running.

2. Suitable Thermal Chamber to check suitability for each configuration for the operating temperature 0 to 45 deg celsius and 40 deg celsius at 95% RH . In addition to other checks and tests the following shall be done as acceptance test.

(i) Computer shall be kept inside the chamber at 0 Deg. Cent. for 4 Hours with diagnostics software as at clause A(1) running and copy of log report during this period shall be made part of the inspection report.

(ii) Computer shall be kept inside the chamber at 45 deg. Cent. for 4 hours with diagnostics software as at clause A(1) running and copy of log report during this period shall be made part of inspection report

(iii) Computer shall be kept inside the chamber at 40 deg. Cent. and 95% RH for 4 hours with diagnostics software as at clause A(1) running and hard copy of log report during this period shall be made part of inspection report.

(C) Drop test should be conducted on all the six surfaces of the packaging with the systems & peripherals packed inside by dropping the same from a height of 1 m.

Performance of the hardware shall be checked after conducting such tests with the help of diagnostic software. The packaging should be able to withstand the test without any damage or malfunction.

(D) The tests at (B)&(C) above should be conducted on at least one piece out of every 100 pcs in each configuration during each inspection. If the testing facility is not available with the firm the samples selected by the inspector shall be tested at an NABL/ILAC approved lab.

(E) Certifications required as per the specifications can be checked/verified from source/website also.

(F) Supplier shall furnish the details regarding the maximum power consumption of the whole machine/system and data of maximum power consumption of the following components individually.

- a. Chipset
- b. Processor
- c. Monitor
- d. Hard Disk Drive
- e. Cooling Fan
- f. Power Management Unit

For overall power consumption of the system supplier shall demonstrate the same during pre despatch inspection and for the individual components firm shall produce data sheet of the OEMs as an evidence.

(G) Supplier shall submit the necessary Certification/Documents at the time of Registration and Inspection for the following.(as applicable)

- a. ROHS Compliance
- b. ISO 14001
- c. TCO 05 compliance for monitors
- d. Windows 8 / Linux OS Certification.

- (H) Tenderer shall indicate make, Exact model and detailed specification of various items quoted to demonstrate compliance to the tender specification requirements and they shall get registration for those particular models.
- (I) Tenderer shall also furnish manufacturer's technical brochure for each item quoted and shall submit authorization from the manufacturers to quote for their products.
- (J) Tenders shall furnish a self certification from all the component OEMs for ROHS (Restriction of use of Hazardous Substances) compliance.
- (K) Make of motherboard shall be specified by tenderer.
LED displays wherever specified shall be LED backlit or better.
- (L) Firm shall furnish import documents at the time of each inspection or as requested by the Purchaser/Indentor/Consignee.
- (M) a. Against schedules for AMC ,comprehensive AMC including spares after expiry of warranty period shall be quoted as a percentage of legal value leviable on stores ie. percentage of basic value plus taxes.
b. AMC shall be entered in to by the consignee with the supplier directly as per the AMC rates as per R/C or at a lower rate.
c. Consignees shall be making quarterly payments against the AMC.
d. Maximum down time shall be one day and there will be a penalty of payment as decided by the user and supplier together, for down time of more than one day.

INDENTORS TO NOTE:

Features like ,VHD boot,Assigned access,client Hyper-V,DOMAIN JOIN, GROUP POLICY,Bit locker and bit locker to go etc. are not available in the Windows 8.1 operating system.Indentors shall take care of above aspects while placing supply orders against the resultant R/C.

All-in-one Desktop Computer with preloaded Operating System

Specification :-

1. Intel core i3 Configuration (for item no. 1 & 2)
 - a. Form Factor : All-in-one, Dimensions in mm (HxWxD)
(to be specified by the tenderer).
 - b. Processor : Intel Core i3-4130, 3.4 GHz, 3 MB Cache or its higher version.
 - c. Chipset : Intel H8 series chipset.
 - d. Memory : 4 GB 1600 MHz upgradable upto 16 GB.
 - e. Hard Disk Drive : 500 GB 7200 rpm SATA or higher with Minimum 2 SATA

connectors on Motherboard.

- f. Display : 50.8 cm (20 inches) Wide LED 16:9 (1600x900) or better Digital Colour Monitor
 - g. Graphics : Intel HD Graphics
 - h. Keyboard : 104 keys or higher OEM USB Keyboard
 - i. Mouse : Optical Scroll with USB interface.
 - j. Ports : 3 USB Ports, 1 Mic., 1 headphone inside, 1 RJ-45, 1 Display Port/ HDMI/VGA port
 - k. Wireless Communication : Bluetooth 3.0, IEEE 802.11 b/g/n
 - l. Optical Drive : 8X or better DVD RW Drive.
 - m. Audio : Integrated Stereo Sound with two internal speakers and Mic.
 - n. Webcam : 1.3 Megapixel HD
 - o. LAN : Integrated Gigabit Ethernet LAN 10/100/1000.
 - p. Operating System : Windows 8 Professional / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
 - q. Certifications : i) Windows 8 / Linux OS certification.
 - r. Power Supply : Internal/external
 - s. Preloaded Antivirus : Microsoft Security Essentials
 - t. OEM Recovery Tool : Desktop must be supplied with OEM pre-loaded tool for desktop manageability including OEMs own data backup and recovery tool.
2. Intel core i5 Configuration (For item no. 3 & 4)
- a. Form Factor : All-in-one, Dimensions in mm (HxWxD) (to be specified by the tenderer).
 - b. Processor : Intel Core i5-4570 , 3.3 GHz, 6 MB Cache or its higher version.
 - c. Chipset : Intel H8 series chipset.
 - d. Memory : 4 GB 1600 MHz upgradable upto 16 GB.
 - e. Hard Disk Drive : 500 GB 7200 rpm SATA or higher with Minimum 2 SATA connectors on Motherboard.
 - f. Display : 58.4 cm (23 inch) Wide LED 16:9 (1920x1080) or better Digital Colour Monitor
 - g. Graphics : Intel HD Graphics

- h. Keyboard : 104 keys or higher OEM USB Keyboard
 - i. Mouse : Optical Scroll with USB interface.
 - j. Ports : 3 USB Ports, 1 Mic., 1 headphone in side, 1 RJ-45, 1 Display Port/ HDMI/VGA port
 - k. Wireless Communication : Bluetooth 3.0, IEE 802.11 b/g/n
 - l. Optical Drive : 8X or better DVD RW Drive.
 - m. Audio : Integrated Stereo Sound with two internal speakers and Mic.
 - n. Webcam : 1.3 Megapixel HD
 - o. LAN : Integrated Gigabit Ethernet LAN 10/100/1000.
 - p. Operating System : Windows 8 Professional / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
 - q. Certifications : i) Windows 8 / Linux OS certification.
 - r. Power Supply : Internal/external
 - s. Preloaded Antivirus Software : Microsoft Security Essentials
 - t. OEM Recovery Tool : Desktop must be supplied with OEM pre-loaded tool for desktop manageability including OEMs own data backup and recovery tool.
3. Intel Pentium (For item no.11&12)
- a. Form Factor : All-in-one, Dimensions in mm (HxWxD) (to be specified by the tenderer).
 - b. Processor : Intel Pentium G3220T Processor , 2.6 GHz, 3 MB Cache or its higher ,22nm Haswell Architecture.
 - c. Chipset : Intel H8 series chipset or better.
 - d. Memory : 4 GB 1333 MHz upgradable upto 8 GB.
 - e. Hard Disk Drive : 500 GB 7200 rpm SATA or higher with Minimum 2 SATA connectors on Motherboard.
 - f. Display (1600x900) : 49.53 cm (19.5 inch) Wide LED backlit LCD 16:9 or better Digital Colour Monitor
 - g. Graphics : Intel HD Graphics
 - h. Keyboard : 104 keys or higher OEM USB Keyboard
 - i. Mouse : Optical Scroll with USB interface.

- j. Ports : 3 USB Ports, 1 Mic., 1 headphone in side, 1 RJ-45, 1 Display Port/ HDMI/VGA port
- k. Wireless Communication : Bluetooth 3.0, IEE 802.11 b/g/n
- l. Optical Drive : 8X or better DVD RW Drive.
- m. Audio : Integrated Stereo Sound with two internal speakers and Mic.
- n. Webcam : 1.3 Megapixel HD
- o. LAN : Integrated Gigabit Ethernet LAN 10/100/1000.
- p. Operating System : Windows 8 Professional / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
- q. Certifications : i) Windows 8 / Linux OS certification.
- r. Power Supply : Internal/external.
- s. OEM Recovery Tool : Desktop must be supplied with OEM pre-loaded tool for desktop manageability including OEMs own data backup and recovery tool.

4. AMD A6 Dual Core Processor configuration (For item no. 5 & 6)

- a. Form Factor : All-in-one, Dimensions in mm (HxWxD) (to be specified by the tenderer).
- b. Processor : AMD A6 7400, 3.5 GHz Processor, 1 MB Total Cache or its higher version.
- c. Chipset : AMD A7 series
- d. Memory : 4 GB 1600 MHz DDR3 RAM upgradable upto 16 GB.
- e. Hard Disk Drive : 500 GB 7200 rpm SATA or higher with Minimum 2 SATA connectors on Motherboard.
- f. Display : 50.8 cm (20 inches) Wide LED 16:9 (1600x900) or better Digital Colour Monitor
- g. Graphics : Integrated HD Graphics
- h. Keyboard : 104 keys or higher OEM USB Keyboard
- i. Mouse : Optical Scroll with USB interface.
- j. Ports : 3 USB Ports, 1 Mic., 1 headphone inside, 1 RJ-45, 1 Display Port/ HDMI/VGA port
- k. Wireless Communication : Bluetooth 3.0, IEE 802.11 b/g/n
- l. Optical Drive : 8X or better DVD RW Drive.
- m. Audio : Integrated Stereo Sound with two internal

speakers and Mic.

- n. Webcam : 1.3 Megapixel HD
 - o. LAN : Integrated Gigabit Ethernet LAN 10/100/1000.
 - p. Operating System : Windows 8 Professional / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
 - q. Certifications : i) Windows 8 / Linux OS certification.
 - r. Power Supply : Internal/external.
 - s. Preloaded Antivirus : Microsoft Security Essentials
 - t. OEM Recovery Tool : Desktop must be supplied with OEM pre-loaded tool for desktop manageability including OEMs own data backup and recovery tool.
5. AMD A8 Quad Core Processor Configuration (For item no. 7 & 8)
- a. Form Factor : All-in-one, Dimensions in mm (HxWxD) (to be specified by the tenderer).
 - b. Processor : AMD A8 7600, 3.1 GHz Processor with 4 MB Total Cache or its higher version.
 - c. Chipset : AMD A7 series.
 - d. Memory : 4 GB 1600 MHz DDR3 RAM upgradable upto 16 GB.
 - e. Hard Disk Drive : 500 GB 7200 rpm SATA or higher with Minimum 2 SATA connectors on Motherboard.
 - f. Display : 58.4 cm (23 inch) Wide LED 16:9 (1920x1080) or better Digital Colour Monitor
 - g. Graphics : Integrated HD Graphics
 - h. Keyboard : 104 keys or higher OEM USB Keyboard
 - i. Mouse : Optical Scroll with USB interface.
 - j. Ports : 3 USB Ports, 1 Mic., 1 headphone in side, 1 RJ-45, 1 Display Port/ HDMI/VGA port
 - k. Wireless Communication : Bluetooth 3.0, IEE 802.11 b/g/n
 - l. Optical Drive : 8X or better DVD RW Drive.
 - m. Audio : Integrated Stereo Sound with two internal speakers and Mic.
 - n. Webcam : 1.3 Megapixel HD
 - o. LAN : Integrated Gigabit Ethernet LAN 10/100/1000.

p. Operating System : Windows 8 Professional / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.

q. Certifications : i) Windows 8 / Linux OS certification.

r. Power Supply : Internal/external

s. Preloaded Antivirus Software : Microsoft Security Essentials

t. OEM Recovery Tool : Desktop must be supplied with OEM pre-loaded tool for desktop manageability including OEMs own data backup and recovery tool.

6. AMD A10 Quad Core Processor Configuration (For item no. 9 & 10)

a. Form Factor : All-in-one, Dimensions in mm (HxWxD) (to be specified by the tenderer).

b. Processor : AMD A10 7800, 3.5 GHz Processor with 4 MB Total Cache or its higher version.

c. Chipset : AMD A7 series.

d. Memory : 4 GB 1600 MHz DDR3 RAM upgradable upto 16 GB.

e. Hard Disk Drive : 500 GB 7200 rpm SATA or higher with Minimum 2 SATA connectors on Motherboard.

f. Display : 58.4 cm (23 inch) Wide LED 16:9 (1920x1080) or better Digital Colour Monitor

g. Graphics : Integrated HD Graphics

h. Keyboard : 104 keys or higher OEM USB Keyboard

i. Mouse : Optical Scroll with USB interface.

j. Ports : 3 USB Ports, 1 Mic., 1 headphone in side, 1 RJ-45, 1 Display Port/ HDMI/VGA port

k. Wireless Communication : Bluetooth 3.0, IEEE 802.11 b/g/n

l. Optical Drive : 8X or better DVD RW Drive.

m. Audio : Integrated Stereo Sound with two internal speakers and Mic.

n. Webcam : 1.3 Megapixel HD

o. LAN : Integrated Gigabit Ethernet LAN 10/100/1000.

p. Operating System : Windows 8 Professional / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.

q. Certifications : i) Windows 8 / Linux OS certification.

- r. Power Supply : Internal/external
- s. Preloaded Antivirus : Microsoft Security Essentials Software
- t. OEM Recovery Tool : Desktop must be supplied with OEM pre-loaded tool for desktop manageability including OEMs own data backup and recovery tool.

Desktop Computer (with preloaded OPERATING SYSTEM)

Specification :

Item (1&3): Intel Core i3 Configuration(Home Series)

- a. CPU : Intel Core i3-4130, 3.4 GHz, 3 MB Cache or its higher version.
- b. Chipset : Intel H8 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express)or more
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 16 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm (18.5 inch)or larger TFT/LED Digital Colour Monitor TCO-05 certified.
- g. Keyboard : 104 keys
- h. Mouse : Optical with USB interface.
- i. Bays : 3 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0),1 Display port/VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Mini Tower/Tower.
- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port
- n. Operating System : Windows 8.1 or higher / Linux preloaded with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8.1 OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected.
- q. Preloaded Antivirus : Microsoft Security Essentials

Software

Item (2&4): Intel Core i3 Configuration (Commercial series)

- a. CPU : Intel Core i3-4130, 3.4 GHz, 3 MB Cache or its higher version.
- b. Chipset : Intel Q8 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 32 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm (18.5 inch) or larger TFT/LED Digital Colour Monitor TCO-05 certified.
- g. Keyboard : 104 keys
- h. Mouse : Optical with USB interface.
- i. Bays : 4 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0), 1 Display port/VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Mini Tower//Tower.
- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port with remote booting facility remote system installation, remote wake up, TPM enabled 1.2 chip using any standard management software.
- n. Operating System : Windows 8 Professional or higher/ Linux preloaded with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8 Pro.OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected.
- q. Preloaded Antivirus Software : Microsoft Security Essentials Software

Item (5&7): Intel core i5 Configuration (Home series)

- a. CPU : Intel Core i5-4570, 3.2 GHz, 6 MB Cache or its higher version.
- b. Chipset : Intel H8 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more.
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 16 GB Expandability.

- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm or larger(18.5 inch or larger) TFT/LED Digital Colour Monitor TCO-05 certified.
- g. Keyboard : 104 keys.
- h. Mouse : Optical with USB interface.
- i. Bays : 3 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0),1 Display port/VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Mini Tower/Tower.
- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port
- n. Operating System : Windows 8.1 or higher / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8.1 OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected.
- q. Preloaded Antivirus Software : Microsoft Security Essentials

Item (6&8): Intel core i5 Configuration (Commercial Series)

- a. CPU : Intel Core i5-4570, 3.2 GHz, 6 MB Cache or its higher version.
- b. Chipset : Intel Q8 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more.
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 32 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm or larger(18.5 inch or larger) TFT/LED Digital Colour Monitor TCO-05 certified.
- g. Keyboard : 104 keys.
- h. Mouse : Optical with USB interface.
- i. Bays : 4 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0),1 Display port/VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Mini Tower/Tower.

- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port with remote booting facility remote system installation, remote wake up, TPM enabled 1.2 chip using any standard management software.
- n. Operating System : Windows 8 Professional or higher / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8 Pro. OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected.
- q. Preloaded Antivirus : Microsoft Security Essentials Software

Item (9&11): Intel core i7 Configuration (Home Series)

- a. CPU : Intel Core i7-4770, 3.4 GHz, 8 MB Cache or better.
- b. Chipset : Intel H8 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more.
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 16 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm (18.5 inch) larger LED/ TFT Digital Colour Monitor TCO- 05 certified.
- g. Keyboard : 104 keys .
- h. Mouse : Optical with USB interface.
- i. Bays : 2 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0), 1 Display port//VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Mini Tower/Tower
- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port
- n. Operating System : Windows 8.1 or higher / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8.1 OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge

protected.

q. Preloaded Antivirus : Microsoft Security Essentials Software

Item (10&12): Intel core i7 Configuration (Commercial Series)

- a. CPU : Intel Core i7-4770, 3.4 GHz, 8 MB Cache or its higher version.
- b. Chipset : Intel Q8 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more.
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 32 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm (18.5 inch) larger LED/ TFT Digital Colour Monitor TCO- 05 certified.
- g. Keyboard : 104 keys .
- h. Mouse : Optical with USB interface.
- i. Bays : 2 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0), 1 Display port//VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Tower/Mini Tower
- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port with remote booting facility remote system installation, remote wake up, TPM enabled 1.2 chip using any standard management software.
- n. Operating System : Windows 8 Professional or higher / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8 Pro. OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected.
- q. Preloaded Antivirus : Microsoft Security Essentials Software

Item (13&15): AMD A6 Dual Core Processor (Home series)

- a. CPU : AMD A6 6400K, 3.9 GHz Processor with 1 MB Total Cache or its higher version.

- b. Chipset : AMD A5 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more.
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 16 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm (18.5 inch) or larger TFT/LED Digital Colour
Monitor TCO-05 certified.
- g. Keyboard : 104 keys
- h. Mouse : Optical with USB interface.
- i. Bays : 3 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0), 1 Display
port/VGA port, audio ports for microphone and headphone
in front.
- k. Cabinet : Mini Tower/Tower.
- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port
- n. Operating System : Windows 8.1 or higher / Linux
preloaded, as specified, with Media and
Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8.1 OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in
Power On, Set up Password, Power supply SMPS Surge
protected.
- q. Preloaded Antivirus Software : Microsoft Security Essentials
Software

Item (14&16): AMD A6 Dual Core Processor (Commercial series)

- a. CPU : AMD A6 6400B, 3.9 GHz Processor with
1 MB Total Cache or its higher version.
- b. Chipset : AMD A7 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more.
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 32 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm (18.5 inch) or larger TFT/LED Digital Colour
Monitor TCO-05 certified.
- g. Keyboard : 104 keys

- h. Mouse : Optical with USB interface.
- i. Bays : 4 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0),1 Display port/VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Mini Tower/Tower.
- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port with remote booting facility remote system installation, remote wake up,TPM enabled 1.2 chip using any standard management software.
- n. Operating System : Windows 8 Professional or higher / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8 Pro. OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected.
- q. Preloaded Antivirus : Microsoft Security Essentials Software

Item (17&19): AMD A8 Quad Core Processor (Home series)

- a. CPU : AMD A8 6500, 3.5 GHz 4 Core, 4 MB Total cache or its higher version.
- b. Chipset : AMD A5 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more.
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 16 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm (18.5 inch)or larger LED/ TFT Digital Colour Monitor
TCO-05 certified.
- g. Keyboard : 104 keys
- h. Mouse : Optical with USB interface.
- i. Bays : 3 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0),1 Display port/VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Mini Tower/Tower.
- l. DVD ROM Drive : 8X or better DVD RW Drive.

- m. Networking facility : 10/100/1000 on board integrated Network Port
- n. Operating System : Windows 8.1 higher / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8.1 OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected.
- q. Preloaded Antivirus : Microsoft Security Essentials Software

Item (18&20): AMD A8 Quad Core Processor (Commercial series)

- a. CPU : AMD A8 6500, 3.5 GHz 4 Core, 4 MB Total cache or its higher version.
- b. Chipset : AMD A7 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more.
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 32 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm (18.5 inch)or larger LED/ TFT Digital Colour Monitor
TCO-05 certified.
- g. Keyboard : 104 keys
- h. Mouse : Optical with USB interface.
- i. Bays : 4 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0),1 Display port/VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Mini Tower/Tower.
- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port with remote booting facility remote system installation, remote wake up,TPM enabled 1.2 chip using any standard management software.
- n. Operating System : Windows 8 Professional or higher / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8 Pro. OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected.
- q. Preloaded Antivirus : Microsoft Security Essentials

Software

Item (21&23): AMD A10 Quad Core Processor Configuration (Home series)

- a. CPU : AMD A10 6700 , 3.7 GHz, 4 core, 4 MB Cache or its higher version.
- b. Chipset : AMD A5 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more.
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 16 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.
- f. Monitor : 47 cm (18.5 inch) or larger LED/TFT Digital Colour
Monitor TCO- 05 certified.
- g. Keyboard : 104 keys .
- h. Mouse : Optical with USB interface.
- i. Bays : 2 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0), 1 Display port/VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Tower/Mini Tower
- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port
- n. Operating System : Windows 8.1 or higher / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8.1 OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected.
- q. Preloaded Antivirus Software : Microsoft Security Essentials Software

Item (22&24): AMD A10 Quad Core Processor Configuration (Commercial series)

- a. CPU : AMD A10 6800B , 4.1 GHz, 4 Core, 4 MB Cache or its higher version.
- b. Chipset : AMD A7 series.
- c. Bus Architecture : 3 PCI (PCI/ PCI Express) or more.
- d. Memory : 4 GB 1600 MHz DDR3 RAM with 32 GB Expandability.
- e. Hard Disk Drive : 500 GB 7200 rpm or higher.

- f. Monitor : 47 cm (18.5 inch) or larger LED/TFT Digital Colour Monitor
TCO- 05 certified.
- g. Keyboard : 104 keys .
- h. Mouse : Optical with USB interface.
- i. Bays : 2 Nos. or above.
- j. Ports : 6 USB Ports or more (at least 2 USB with 3.0),1 Display port/VGA port, audio ports for microphone and headphone in front.
- k. Cabinet : Tower/MiniTower
- l. DVD ROM Drive : 8X or better DVD RW Drive.
- m. Networking facility : 10/100/1000 on board integrated Network Port with remote booting facility remote system installation, remote wake up,TPM enabled 1.2 chip using any standard management software.
- n. Operating System : Windows 8 Professional or higher / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity.
- o. OS Certifications : Windows 8 Pro. OS / Linux certification.
- p. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected.
- q. Preloaded Antivirus : Microsoft Security Essentials Software

Item (25&26): Intel Core i3 Configuration(Portable Cabinet)

- a. Processor : 4th generation intel Core i3-4010U(1.7GHz dual core,3MB Cache) or higher
- b. Memory : 4 GB 1600 MHz DDR3L RAM expandable up to 16 GB or higher
- c. Chipset : HM8 series chipset.
- d. Operating system : Windows 8.1 / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity
- e. Monitor : 47 cm (18.5 inch)or larger LED/ TFT Digital Colour Monitor TCO-05 certified with mini HDMI/HDMI/USB Ports.
- f. Keyboard : Mini keyboard -USB
- g. Mouse : Portable Optical Mouse-USB.
- h. Graphics : 1.Intel HD Graphics 4400
2.One Mini Display Port 1.2 supporting ultra-high definition 4K displays and multiple monitor functionality(min.3).
3.One Mini HDMI port

- i. Audio : 1.Intel HD Audio via Mini HDMI
2.Mini Display Port 1.2 output supporting 8 channel (7.1) digital Audio
3.Intel HD Audio via stereo analog audio jack (microphone In/headphone out/speaker out)
- j. Peripheral connectivity : Four USB 3.0 ports or more
- k. Storage : 500 GB HDD or higher.
- l. Networking : Integrated intel PRO 10/100/1000 Network Connection
Wireless antennae (integrated into the chassis)
- m. CPU Enclosure : Max Dimensions: 120mm x 115mmx55mm
- n. OS Certifications : Windows 8 OS / Linux certification.
- o. Preloaded Antivirus : Windows Security Essentials Software
- p. Power adapter : 19V, 65W power adapter
- q. Additional :1.Intel Visual BIOS
2.VESA mount bracket (75x75mm and 100x100mm compatible)
3.Half-length PCIe mini card slot
4.Low-acoustics active cooling design
5.Kensington lock support
6.Integration guide

Item (27&28): Intel Core i5 Configuration(Portable Cabinet)

- a. Processor : 4th generation intel Core i5-4250U(1.3GHz with turbo capability to achieve 2.6GHz,3MB smart Cache) or higher
- b. Memory : 4 GB 1600 MHz DDR3L RAM expandable up to 16 GB or higher
- c. Chipset : HM8 series chipset.
- d. Operating system : Windows 8.1 / Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity
- e. Monitor : 47 cm (18.5 inch)or larger LED/ TFT Digital Colour Monitor TCO-05 certified with mini HDMI/HDMI/USB Ports.
- f. Keyboard : Mini keyboard -USB
- g. Mouse : Portable Optical Mouse-USB.
- h. Graphics : 1.Intel HD Graphics 4400
2.One Mini Display Port 1.2 supporting ultra-high definition 4K displays and multiple monitor functionality(min.3).
3.One Mini HDMI port
- i. Audio : 1.Intel HD Audio via Mini HDMI
2.Mini Display Port 1.2 output supporting 8 channel (7.1) digital Audio
3.Intel HD Audio via stereo analog audio jack (microphone In/headphone out/speaker out)

- j. Peripheral connectivity : Four USB 3.0 ports or more
- k. Storage : 500 GB HDD or higher.
- l. Networking : Integrated intel PRO 10/100/1000 Network Connection Wireless antennae (integrated into the chassis)
- m. CPU Enclosure : Max Dimensions: 120mm x 115mmx55mm
- n. OS Certifications : Windows 8.1 OS / Linux certification.
- o. Preloaded Antivirus : Windows Security Essentials Software
- p. Power adapter : 19V, 65W power adapter
- q. Additional :
 - 1.Intel Visual BIOS
 - 2.VESA mount bracket (75x75mm and 100x100mm compatible)
 - 3.Half-length PCIe mini card slot
 - 4.Low-acoustics active cooling design
 - 5.Kensington lock support
 - 6.Integration guide

Item 29&30: Intel Celeron Processor configuration(portable cabinet)

- a. Processor : Intel Celeron processor N2820 (2.13GHz,1MB Cache) or higher-22nm Baytrail Architecture
- b. Memory : 4 GB 1333 MHz DDR3L RAM expandable up to 16 GB or higher
- c. Chipset : suitable Integrated chipset.
- d. Operating system : Windows 8.1/Linux preloaded, as specified, with Media and Documentation and Certificate of Authenticity
- e. Monitor : 47 cm (18.5 inch)or larger LED/ TFT Digital Colour Monitor TCO-05 certified with mini HDMI/HDMI/USB Ports.
- f. Keyboard : Mini keyboard -USB
- g. Mouse : Portable Optical Mouse-USB.
- h. Graphics :
 - 1.Intel HD Graphics
 - 2.One Mini Display Port 1.2 supporting ultra-high definition 4K displays and multiple monitor functionality(min.3).
 - 3.One Mini HDMI port
- i. Audio :
 - 1.Intel HD Audio via Mini HDMI
 - 2.Mini Display Port 1.2 output supporting 8 channel (7.1) digital Audio
 - 3.Intel HD Audio via stereo analog audio jack (microphone In/headphone out/speaker out)
- j. Peripheral connectivity : 3 USB ports or more
- k. Storage : 500 GB HDD or higher.

- l. Networking : Integrated intel PRO 10/100/1000 Network Connection
Wireless antennae (integrated into the chassis)
- m. CPU Enclosure : Max Dimensions: 120mm x 115mmx55mm
- n. OS Certifications : Windows 8.1 OS / Linux certification.
- o. Power adapter : 19V, 65W power adapter
- p. Additional :
 - 1.Intel Visual BIOS
 - 2.VESA mount bracket (75x75mm and 100x100mm compatible)
 - 3.Half-length PCIe mini card slot
 - 4.Low-acoustics active cooling design
 - 5.Kensington lock support
 - 6.Integration guide

LIST OF ALL AMENDMENTS

For RC No. Computers/IT-1/RC-71090000/1215/81/O0259/4541

Sr No.	Amendment No.	Amendment Date	Effective From	Amendment In
1	Computers/IT-1/RC-71090000/1215/81/O0259/4541/53758	25-MAR-15	24-MAR-15	Amendment in Rate