

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.gov.in

Rate Contract no. WORKSTN/IT-1/RC-71040000/0614/81/O0259/4304
Dated 06-FEB-14

To,

HEWLETT PACKARD INDIA SALES PVT. LTD.
Building No. 2, Tower D&E, 1st to 5th floor, DLF Cyber Green, DLF Cyber
City, Phase III, Gurgaon
Contact Person - Mr. Amit Anand - 08527646655 , aanand@hp.com
Mr. Rahul Mehra , 09818217342.
Gurgaon

Sub: Rate Contract for supply of Workstations
Validity: From 06-FEB-14 To 31-JUL-14 .

Ref:(1) This Office Tender Enquiry No. WORKSTN/IT-1/RC-71040000/0614/81
Opened on 26-NOV-13.
(2) Your Quotation No. 4401 And Dated
26-NOV-13.

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Civil Ministries/Departments and UT Administration, except for M/o Defence, M/o Railways and D/o Posts, have been withdrawn with effect from 03.07.2012.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.: -WORKSTN/IT-1/RC-71040000/0614/81/O0259/4304

Dated 06-FEB-14 For the Supply of Workstations

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, 1st to 5th floor, DLF Cyber
 Green, DLF Cyber
 City, Phase III, Gurgaon
 Contact Person - Mr. Amit Anand - 08527646655 ,
 aanand@hp.com
 Mr. Rahul Mehra , 09818217342.
 Gurgaon
 HARYANA - 122002
 Tel. No. - 01242726857, 9818305559, 09311536145
 Fax - 0124-3886941 / 9899980719
 Email - dgsnd.cell@hp.com

(b) Name and Full Address of Manufacturer :-

As per Schedule - B

(c) Brand: HP

4. Validity of Rate Contract: 06-FEB-14 To 31-JUL-14

5. Description of Item, Specification, Unit, Rate

Item Model No.	Store Description					Unit	Rate (in Rs)
		ED	ED%	CST/VAT	CST/VAT%		
4	HP/Z 620 Workstation			Configuration: Intel Xeon Six Core Processor with N-Vidia Quadro 4000(2GB)		NOS.	164000 Rs. ONE LAKHS SIXTY-FOUR THOUSAND ONLY
		N.A		Excl.		5	
	Min.Order Qty(in unit):- 1		Lead Time(in days):- 84			Rate of Supply(monthly):- 1000	
9	HP /Z 420 Workstation			Configuration: Intel Xeon W 3565/E5-1605 Processor with N-Vidia Quadro 2000(1GB)		NOS.	135100 Rs. ONE LAKHS THIRTY-FIVE THOUSAND ONE

HUNDRED
ONLY

		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 84	Rate of Supply(monthly):- 1000	
11	HP /Z 420 Workstation		Configuration: Intel Xeon W 3565/E5-1605 Processor with N-Vidia Quadro 5000(2.5GB)	NOS.	221000 Rs. TWO LAKHS TWENTY- ONE THOUSAN D ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 84	Rate of Supply(monthly):- 1000	
15	Microsoft/Microsoft Add on items for Workstations		Items: Price Reduction for no operating systems in the Workstation	NOS.	4600 Rs. FOUR THOUSAN D SIX HUNDRED ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 84	Rate of Supply(monthly):- 1000	
18	HP/HP Add on items for Workstations		Items: 1000 GB Hard Disk	NOS.	5000 Rs. FIVE THOUSAN D ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 84	Rate of Supply(monthly):- 1000	
23	HP/Z 24i Add on items for Workstations		Items: TFT Monitor for high resolution graphics, (1920x1200) 60.9cm/24"	NOS.	27000 Rs. TWENTY- SEVEN THOUSAN D ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 84	Rate of Supply(monthly):- 1000	
27	nVIDIA/Quadro K 5000 Add on items for Workstations		Items: N-Vidia Quadro 5000 (2.5GB)	NOS.	129000 Rs. ONE LAKHS TWENTY- NINE THOUSAN D ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 84	Rate of Supply(monthly):- 100	
31	nVIDIA/Quadro 410 Add on items for Workstations		Items: N-vidia Quadro 400,512 MB	NOS.	6700 Rs. SIX THOUSAN D SEVEN HUNDRED ONLY

	N.A	Excl.	5
	Min.Order Qty(in unit):- 1	Lead Time(in days):- 84	Rate of Supply(monthly):- 100
35 HP/HP	In lieu items for Workstations	Item to be supplied: 1000 GB (1 Terabyte) SATA 7200 rpm, In lieu of: 500 GB SATA 7200 rpm	NOS. 3000 Rs. THREE THOUSAN D ONLY
	N.A	Excl.	5
	Min.Order Qty(in unit):- 1	Lead Time(in days):- 84	Rate of Supply(monthly):- 1000

- 6-Terms of Delivery: Free Delivery at site including installation and commissioning.
- 7-Excise Duty: ED Not Applicable at present and will not be charged even if it becomes applicable later on.
- 8-Sales Tax: Extra @ 5%.
- 9-Delivery Period: Upto first 1000 Nos within 114 days thereafter, 1000 Nos per month.
- 10(a)-Annual Turnover: .
- (b)-Monetary Limit(In Rs.): Without Any Limit
- 11-Payment Terms: As per Schedule - B
- 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: The Chief Controller of Accounts, Deptt. of Supply
16A, AKBAR ROAD
New Delhi -110011
In addition to payment to be made by the CCA, New Delhi or its regional offices, the payments may be made directly by user Departments/DDOs/Consignees to respective supplier(s) upon satisfactory delivery of goods against DGS&D Rate Contracts
- 19-Inspection Authority: Not applicable since the firm is holding Green channel status for subject stores
- 20-Quality Assurance Officer/Inspecting officer: -do-

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 indentor 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

Manufacturing Plant Address:-

- (a) HP Singapore (Pte) Ltd HPAM 452 Alexandra Road Singapore 119961
- (b) Qisda, Suzhou, Jiangsu, China - 215011
- (c) Hubei Province, East Lake Development Zone, The Great Wall of Innovation and Technology Park, China
- (d) Compal, No.15, Third Avenue, A Zone, Kunshan Comprehensive Free Trade Zone, Jiangsu, China

NOTE TO INDENTOR AS WELL AS SUPPLIER:-

(A) The R/C Holder will mandatorily supply N-Vidia next rolled over version of N-Vidia Graphic Cards i.e. K 6000, K5000, K4000, K2000, 410, & K 20C in place of N-Vidia 6000, 5000, 4000, 2000, 400 & C-2075 respectively as mentioned in the detailed specification of Rate Contract .

(b) The R/C Holder will mandatorily supply the next rolled over version of processor i.e. Intel E3-1240/1245 v3, E5-1607 v2, E5-2620 v2 and E5-2650 v2 instead of E3-1240/1245, W3565/E5-1605, E-2620 and E5-2650 respectively as mentioned in detailed specifications of Rate Contract.

RC Specification: Guaranty / 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 immediately, 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.

Payment Terms :- 90% against provisional receipt of stores by consignee, after delivery of stores by Green Channel firms on self certification with OEM warranty/Guarantee certificate and balance 10% on acceptance of stores by consignee within 60 days of receipt of stores.

SPECIAL CONDITIONS OF CONTRACT

1. Demonstration of the machines will be carried out free of cost at consignee's place.
2. Stores shall conform 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.
3. Other terms and conditions are as per Form DGS&D-1001.
4. No assistance for import of finished product or raw material will be provided.
- 5 Green Channel Status
 - (a) It has been decided that green channel status has been granted to M/s. Hewlett Packard India Sales Pvt. Ltd. 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 by the Chief Controller of Accounts, New Delhi against the Rate Contract for 90% + 10% basis against Consignee Receipt Certificate nos. 1, 2, 3, 4, 5 & 6.

Payment will be made for Green Channel firms : 90% against proof of Consignee Receipt Certificate Copy No. 1, 2 & 3 (as per format attached) by consignee for having received the stores on said to contain basis. Balance 10% after installation, commissioning and Consignee Receipt Certificate Copy No. 4, 5 & 6 (as per format attached) by consignee Firm would deliver the goods along with their Warranty / Guarantee Certificate (as per copy of format enclosed) under Self Certification.

Advance Payment Copy of C.R.C. Copy No. 1, 2 & 3 for claiming 90% payment: This is a provisional receipt. 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.

Balance payment & Accounts Copy of C.R.C. No. 4, 5 & 6 for claiming 10% balance payment.

(i) Within 60 days from the date of material received, Consignee mentioned in the C.R.C. Copy No. 1, 2 & 3 should sign (in INK) & put his official rubber stamp on the Balance & Accounts office copy of C.R.C. Certificate No. 4, 5 & 6 and should fill up the columns of CRC.

(ii) In cases where the supply is incomplete or defective or the supplier do not carry out commissioning / demonstration of the stores within the period as per (i) above, the consignee shall report such cases immediately to the supplier and DGS&D.

(iii) In cases where the consignees do not release copy no 4, 5 & 6 of C.R.C. within the period as (i) 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.

5. `NIL' against Octroi Exemption Certificate to be provided by the indenter along with order otherwise extra, if applicable.

6. Octroi Duty and Local Taxes:

Normally materials to be supplied to Govt. Department against Govt. contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. The local Town/Municipal Body regulations at times, however, provide for such exemption only on production of such exemption certificate from any authorized officer. Contractors should ensure that stores ordered against contracts placed by this office are exempted from levy of town duty/Octroi duty, Terminal tax or other local taxes and duties. Wherever required, they should obtain the exemption certificate from the purchase officer or indenter concerned, to avoid payment of such local taxes or duties. Octroi, entry tax etc. on buyers account in absence of relevant exemption certificate.

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.

8. Supply of Road Permits/ Way bill by the indenter/consignees:

In all such cases where the requirement of Road Permit/Way Bills for entry of goods into a particular State is mandatory, the following provisions shall be strictly followed: -.

(a) The supplier shall request the indenter/consignee for providing Road permit/ Way bill within 10 days of the receipt of the Supply order. The supplier shall furnish all the necessary information and documents in this regard to Indenter/consignee.

(b) On receipt of the above request from the supplier, the indenter/consignee concerned shall arrange to provide the Road permit/Way Bill in the prescribed form to the supplier within a maximum period of two weeks so that the same reaches the

supplier before the dispatch of the stores. However, in cases where the Road permit/Way Bill is issued on proof of actual invoice of the material, the consignee shall arrange to provide the Road permit/Way Bill from appropriate authorities within a maximum period of 5 days from the receipt of invoice.

(c) The supplier shall not be held responsible for any delay in supply due to non- supply/delayed supply of Road permit/Way bill by the indenter/consignee.

(d) All cases of abnormal delay in providing requisite details/ documents by the supplier or issue of Road permit/Way bill by indenter/consignee, the same shall be reported to DGS&D.

The details of the Road permits presently applicable in different States are as under:-

Sr.No. States Road Permit

1 Andhra Pradesh: -

2 Arunachal Pradesh: Form DG-01

3 Assam: Form 62

4 Bihar: Form 28

5 Chhattisgarh: Form 59A

6 Goa: -

7 Gujarat: Form 403

8 Haryana: Form 38 if value is Rs. 25,000 or more.

9 Himachal Pradesh: - Entry Tax

10 Jammu & Kashmir: - Entry Tax

11 Jharkhand: Form 28B/504G

12 Karnataka: -

13 Kerala: - Form 16

14 Madhya Pradesh: Form 88/89

15 Maharashtra: - Octroi Exemption Certificate (OEC)

16 Manipur: Form 27

17 Meghalaya: Form 14/NOC

18 Mizoram: Form 33

19 Nagaland : Form 16

20 Orissa: Form 28/Entry Tax

21 Punjab: -

22 Rajasthan: Entry Tax

23 Sikkim: Form 25

24 Tamil Nadu: -

25 Tripura: Form 26

26 Uttar Pradesh: Form 32

27 Uttaranchal: Form 17

28 West Bengal: Form 50

SCHEDULE-D

SPECIAL INSTRUCTIONS TOR TO R/C HOLDERS

1. Rate Contract holders are advised that before entertaining the supply order(s), they should ensure the availability of following certificates from DDOs.

a) They are Central Government Department drawing funds from Consolidated Fund of India.

b) The expenditure involved for the purchase has received the sanction of the competent financial authority.

c) The funds are available under the proper head in the sanctioned budget allotment for the year.

d) They have been fully authorized by the Department to sign the supply order and incur the liability in respect of the stores being ordered.

2. The rate contract holders should assist the consignee(s) in the installation and operation of the machine, including recommendations for accessories and voltage stabilizer.

(Ranvir Singh)

Section Officer(IT)

For and on behalf of the purchaser named in the form DGS&D-1001

SCHEDULE - C

List of Parallel Rate Contract For Workstations

Sr.No.	NAME & FULL ADDRESS OF FIRM	R/C NO & DATE
1	HEWLETT PACKARD INDIA SALES PVT. LTD. Building No. 2, Tower D&E, 1st to 5th floor, DLF Cyber Green, DLF Cyber City, Phase III, Gurgaon Contact Person - Mr. Amit Anand - 08527646655 , aanand@hp.com Mr. Rahul Mehra , 09818217342. Gurgaon HARYANA 122002	WORKSTN/IT-1/RC- 71040000/0614/81/O0259/4304 06-FEB-14
2	LENOVO INDIA PVT LTD 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 122001	WORKSTN/IT-1/RC- 71040000/0614/81/04878/4305 06-FEB-14

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

1. Type tests shall consists of verification of all the features & functional requirements including environmental tests. The environmental tests sequence will be as under :
 - (a) Dry Heat Test : For 16 hrs. at a temp. of 45 degree C in accordance with IS:9000/part-3/section-5/1977(reaffirmed 2007).
 - (b) Cold Test : For 4 hrs. at a temp. of 0 degree C in accordance with IS:9000/part-2/section-4/1977 (reaffirmed 2007).
 - (c) Damp Heat Cyclic Test : For 2 Cycles of 24 hrs.at a temp. of 40 degree C & 95% RH in accordance with IS:9000/part-5/section-2/1981 (reaffirmed 2007).

The workstation shall be checked before and after the above environmental tests sequence for satisfactory functional requirements after a recovery period of 1 to 2 hours. For type testing, registration and inspection, DoC Correction Slip No. 36 & 38 dated 18/12/2012 of DGS&D Manual is also applicable.

2. Atleast four certifications for the applications from the list enclosed at Annexure 'A' should be listed on the website of independent software vendor (ISV).
The hard copy of the same shall be submitted along with the offer.
3. Type test report required to be submitted during registration and inspection of first lot.

Inspection and testing :

(A) Manufacturers shall have the following facilities :

1. Supplier shall have licensed version of suitable software to test all the components of workstation
2. Software pattern generator to generate patterns to check the monitors of different characteristic.
3. Facility to measure leakage current (0.21 mA Max), High Voltage test at 1 KV for 1 minute, Insulation Resistance test (min. 2 Meg ohm at 500V) and resistance to earth (0.1 ohm max) for checking the safety aspect of the system and peripherals.

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

1. An ESD simulator of 8 KV to check ESD susceptibility for 10 nos. of Air Discharge of 8 KV.
2. Thermal chamber to check thermal suitability of each configuration for the oprating conditions of 0 degree C & 45 degree C .

These tests could alternatively be conducted at a Govt. laboratory if the facilities for the same are not available with the supplier.

(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 (A) shall be conducted on a sample size of 10 % and (B)&(C) above should be conducted on at least one piece out of every 25 nos cumulatively offered during one inspection and supplied in each configuration.
- (E) Certifications required as per the specifications shall be checked/verified from source/website etc.
- (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. Hard Disk Drive
 - d. 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.
 - a. ROHS Compliance
 - b. TCO-05 Compliance (for Monitors)
 - c. ISO 14001

ANNEXURE `A'

"List Of Software Application For Workstation Certification"

(a) DIGITAL CONTENT CREATION (DCC)

- 1. Adobe After Effects, Premiere, Photoshop, Illustrator, Encore DVD, Live Motion.
- 2. Alias Maya Unlimited, Maya Complete, Studio Tools, Portfolio Wall.
- 3. Avid Adrenaline, Mojo, Nitris, Media Composer, Symphony, Xpress, Xpress DV, Xpress Studio, Avid (DS, Avid DS) HD.
- 4. Discreet 3dsmax, combustion, cleaner XL.
- 5. Metrox Video Products Group InfonetTV, RT.X100, DigiSuite DTV MAX, DigiSuite LE, DigiSuite LX

(b) ELECTRONIC DESIGN AUTOMATION (EDA)

- 1. Cadence Allegro, Assura, NC-SIM, NC-Verilog, Qplace, Spectre, SPECCTRA, Virtuoso
- 2. Mentor Graphic Boardstation, Caliber, HDL, ICX, ModelSim,
- 3. Synopsys Galaxy Design Platform-Design Compiler, JupiterXT, Floorplan Compiler, Physical Compiler, Astro, Star-RCXT, Hercules and Proteus
- 4. Magma Automation

(c) GEOGRAPHIC INFORMATION SYSTEMS (GIS)

- 1. ERDAS Imagine
- 2. ESRI ArcInfo and Arc View

(d) MECHANICAL COMPUTER AIDED DESIGN (MCAD)

- 1. Ansys : ANSYS, ANSYS Workbench, ANSYS DesignSpace
- 2. Bentley : Microsystems Microstation.
- 3. Dassault Systemes : CATIA, DELMIA, ENOVIA, Smarteam, ACIS.
- 4. UGS : UG NX, I-ideas NX, Solid Edge, NX Nastran, Femap, Parasolid, Teamcenter Visualization, Teamcenter Manufacturing, Teamcenter

Community.

- 5. PTC : Pro/ENGINEER WILDFIRE, Pro/MECHANICA, CADD5 5i.

(e) MECHANICAL COMPUTER AIDED ENGINEERING (MCAE)

- 1. ABAQUS : ABAQUS Std/Exp
- 2. ACUSIM : AcuSolve
- 3. ADINA : R&D Adina, ADINA user interface
- 4. Altair Engineering : HyperMesh, Optistruct
- 5. ANSYS : ICEM-CFD; ANSYS user interface, ANSYS, CFX-5, TASCflow
- 6. Computational Engineering International : EnSight
- 7. Fluent : FLUENT
- 8. Livermore Software Technology Corp. : LS-PrePost, LS-DYNA.

(f) ELECTRONIC DESIGN AUTOMATION (EDA)

- 1. Cadence Allegro, Assura, NC-SIM, NC-Verilog, Qplace, Spectre, SPECCTRA, Virtuoso.
- 2. Mentor Graphic Boardstation, Caliber, HDL, ICX, ModelSim,
- 3. Synopsys Galaxy Design Platform-Design Compiler, JupiterXT, Floorplan Compiler, Physical Compiler, Astro, Star-RCXT, Hercules and Proteus
- 4. Magma Automation

(g) GEOGRAPHIC INFORMATION SYSTEMS (GIS)

- 1. ERDAS Imagine
- 2. ESRI ArcInfo and Arc View

(h) MECHANICAL COMPUTER AIDED DESIGN (MCAD)

- 1. Ansys : ANSYS, ANSYS Workbench, ANSYS DesignSpace
- 2. Bentley : Microsystems Microstation
- 3. Dassault Systemes : CATIA, DELMIA, ENOVIA, Smarteam, ACIS
- 4. UGS : UG NX, I-ideas NX, Solid Edge, NX Nastran, Femap, Parasolid, Teamcenter Visualization, Teamcenter Manufacturing, Teamcenter

Community.

- 5. PTC : Pro/ENGINEER WILDFIRE, Pro/MECHANICA, CADD5 5i.

(i) MECHANICAL COMPUTER AIDED ENGINEERING (MCAE)

- 1. ABAQUS : ABAQUS Std/Exp
- 2. ACUSIM : AcuSolve
- 3. ADINA : R&D Adina, ADINA user interface
- 4. Altair Engineering : HyperMesh, Optistruct
- 5. ANSYS : ICEM-CFD; ANSYS user interface, ANSYS, CFX-5, TASCflow
- 8. Computational Engineering : EnSight

- International
7. Fluent : FLUENT
8. Livermore Software : LS-PrePost, LS-DYNA.
Technology Corp.

SPECIAL NOTES TO TENDERERS :

1. Only one Agent or Subsidiary or distributor who enters into direct agreement with foreign principle and not through any intermediary channel can be only considered as a valid Agent, who can be registered.
2. The foreign manufacturer has to declare with documentary evidence that they have adapted/tropicalized the equipment to suit Indian climatic conditions, as per clause 5.3.2 (c) of manual; and can prove the performance of the same at the premises in India (Testing facilities required at firm's premises are for functional and performance parameter only or as specified in the T/E). The firms meeting these conditions, in addition to other conditions of registration in vogue, shall only be considered for registration as `supplier of imported stores`. Mere submission of test report will NOT be treated as sufficient unless above declaration is also furnished by the importer, along with their application for registration and along with tender.
3. Supplier of Imported stores must submit a notarized affidavit along with a letter from their foreign principal (OEM) that the product/model number being quoted against the tender is currently undergoing production and have NOT been discontinued by them. The OEM shall further furnish an undertaking during registration and first inspection that they shall continue to provide support to the product/model no.being quoted/ supplied, during their warranty period. Similar undertaking from supplier shall be submitted at the time of registration, bidding and during EACH inspection.
4. As per CVC Circular No.03/01/12 dated 13.1.2012,
 - (a) In a tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.
 - (b) If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
5. Multiple agents of same manufacturer (Indian or foreign) cannot participate in bid for the same item/product.
6. Firms registered with DGS&D or seeking registration/capacity assessment in the category of:
 - (a) Indian agent of Indian Manufacturer : the registration and inspection shall be carried out at Indian Manufacturer's works.
 - (b) Supplier or Imported Stores (i.e. Indian Agent of Foreign Manufacturer) : the registration and inspection shall be carried out at Indian AGENT's (Supplier of Imported Stores) premises/works.
7. (a) Firms must submit their application to concerned QA Office for fresh or renewal of registration/capacity assessment/special capacity assessment PRIOR to at

least 30 days before the scheduled date of tender opening, failing which application may NOT be able to be fully processed. Tenderers will only be responsible for same.

(b) Tenderers shall be registered with DGS&D or NSIC (based on capacity report of DGS&D) to become eligible to quote against the T/E. Alternatively special capacity report from DQA of the area concerned must be received in DGS&D on or before opening date of tender to become eligible to quote against the T/E.

8. Registration for all scheduled items excluding add on items and in lieu items are required on the date of tender opening ,if not specified otherwise elsewhere. It means all the items/models quoted against all schedules by tenderer have to be registered on the date of tender opening if not specified otherwise elsewhere.

9. In respect of items to be supplied/supplied by the Green Channel firms,the inspection may be carried out by the DGS&D in cases where such inspection is insisted by indentor.

10. However, where DGS&D inspection is not involved, the indentor and consignee has to ensure that the quality of stores delivered is as per R/C specifications and the supplier is in possession of all the relevant documents as specified in the R/C. In respect of the imported stores it shall be ensured that the stores being delivered has reached the country through legal channel and the supplier is in possession of all the import documents in their name.

Workstation

(1) WORKSTATION INTEL XEON E3-1240/1245 PROCESSOR BASED

Workstation Intel Xeon E3-1240/1245 Processor Based for Scientific Programming & Multimedia Application.

- 1. CPU : Intel Xeon E3-1240/1245, 3.3 GHz, 8 MB L3 Cache or better.
- 2. Chipset & Motherboard : Intel C-216 chipset.
- 3. Memory : 4 GB (2x2GB), DDR3 expandable upto 32 GB.
- 4. Hard Disk Drive : 500 GB 7200 RPM SATA Hard drive
- 5. Storage Controller : Integrated 4 channel Serial ATA controller with RAID 0, 1 and combination of 1& 0 functionality.
- 6. Graphic Card : 512 MB NIVIDA Quadro 400 or higher, 512 MB or ATI Firepro V2270 or higher.
- 7. Keyboard : Standard Keyboard
- 8. Mouse : Optical Scroll Mouse
- 9. PCI Slots : 4 PCI/PCI Express including 1 PCI Express x 16
- 10. Bays : Total 4 Bays with minimum 2 internal and 1 external.
- 11. Ports : 5 USB 2.0, 2 USB 3.0, RJ-45, audio in, audio out, mic in.
- 12. Cabinet : Mini tower
- 13. Optical Drive : 8 X DVD writer.
- 14. Networking features : Integrated 10/100/1000
- 15. Operating System : Microsoft Windows 7 Professional 64 bit or higher.
- 16. OS Certifications : Windows Vista Logo and Red Hat or Suse Linux or Ubuntu linux
- 17. Application Certification: At least four ISV certifications for Applications from the following categories(Minimum one ISV certification from each category)as per list enclosed at annexure-A

- (a) Digital Content Creation(DCC)
 - (b) Electronic Design Automation
 - (c) Mechanical Computer Aided Design (MCAD) .
- The Certification should be listed on the

website

of Independent Software Vendor (ISV). The

Hardcopy

of same shall be submitted with the technical

bid.

- 18. Safety Certification : FCC for EMI and UL/CE for Safety
- 19. Power Supply : 230V +/- 10% single phase, 50 Hz AC
- 20. Power Management : ACPI(Advanced configuration and Power Management Interface)
- 21. Bundle Software : System Health monitoring Tool available with H/W box.
- 22. Security : Integrated panel lock or pad lock.

(2) WORKSTATION PORTABLE INTEL CORE i5 PROCESSOR BASED

Workstation Portable Intel Dual Core i5 Processor Based for CAD/CAM/CAE & GIS Application.

- 1. CPU : Intel(R) Core(TM) i5-3320M, 2.6 GHz, 3 MB L3 cache or better.
 - 2. Chip set and Motherboard : Mobile Intel QM 77 Express Chipset or better.
 - 3. Memory : 4 GB (2x2 GB) DDR3 1600 MHz expandable upto 16 GB.
 - 4. Hard Disk Drive : 500 GB 7200 rpm HDD
 - 5. Screen : 39.1cm(15.6 inches), High Definition (1366 x 768), antiglare, LED-backlit.
 - 6. Graphic Card : ATI Mobility Fire GL with 1GB Video Memory or NVIDIA Quadro with 1GB memory or higher.
 - 7. Keyboard : Standard Keyboard and optical mouse or integrated key board with touch pad.
 - 8. Ports : 1-VGA, 1-RJ45, 2-USB 2.0, 1 USB 3.0, 1-Docking Connector,1-Travel Battery Connector.
 - 9. Optical Drive : 8 X DVD writer
 - 10. Networking features : Gigabit NIC10/100/1000 and 802.11 a/g/n wireless Card
 - 11. Operating System : Microsoft Windows 7 Professional 32 bit or higher.
 - 12. OS Certifications : Windows 7 and Red Hat or Suse Linux ir Ubuntu Linux.
 - 13. Application Certification: The Workstation should be certified for PTC-Pro, ESRI Arcinfo, solid works AutoDesk, Autocad and Avid Express and certification should be listed on the respective Website. Hardcopy of same shall be submitted with the technical bid.
 - 14. Safety Certification : FCC for EMI and UL/CE for Safety
 - 15. Power Supply : 230V+/-10% , 50 Hz AC Supply with rechargeable battery
- pack comprising of Li-Ion Batteries suitable For approx. 4 hours operation complete with battery charger/adaptor.

(3) WORKSTATION INTEL XEON DUAL PROCESSOR BASED WITH N-VIDIA QUADRO 4000 (2GB)

Workstation Intel Xeon Dual Core Processor Based For Advanced visualisation and virtual reality application.

- 1. CPU : Intel (R) Xeon (R) Processor E5-2650, 2.0 GHz

- 20 MB L3 cache or higher.
- 2. Chip set and Motherboard : Intel C 602 chipset or better.
- 3. Memory : 8 GB DDR3 1600 Mhz expandable to 256 GB.
- 4. Hard Disk Drive : 1x1000 GB SATA HDD at 7200 rpm upgradeable to 2 HDD.
- 5. Storage Controller : SATA Controller RAID support 0 & 1.
- 6. Graphic Card : 2 x N-VIDIA Quadro 4000(2GB) or higher / 2 x ATI FireGL V 7900(2GB) or higher.
- 7. Keyboard : Standard Keyboard
- 8. Mouse : Optical Scroll Mouse
- 9. PCI Slots : 5 PCI/PCI Express including 2 PCI Express X 16 for Dual Graphics and TESLA Card support.
- 10. Bays : Total 4 Bays (2 internal, 2 external)
- 11. Ports : 5 USB 2.0, 2 USB 3.0, RJ-45, audio in, audio out, mic in.
- 12. Cabinet : Mini tower
- 13. Optical Drive : 8 X DVD writer.
- 14. Networking features : Integrated 10/100/1000
- 15. Operating System : Microsoft Windows 7 Professional 64 Bit or higher.
- 16. OS Certifications : Windows 7 and Red Hat or Suse Linux or Ubandu Linux
- 17. Application : At least four ISV certifications for Applications Certification from the following categories (Minimum one ISV certification from each category)
 - (a) Digital Content Creation(DCC),b)Electronic Design Automation(EDA)
 - (c) Mechanical Computer Aided Design (MCAD).

website

of Independent Software Vendor (ISV). The Hard

copy of same shall be submitted with the technical bid.

- 18. Safety Certification : FCC for EMI and UL/CE for Safety
- 19. Power Supply : 230V +/- 10% single phase, 50 Hz AC
- 20. Power Management : ACPI (Advanced Configuration and Power Management Interface)
- 21. Bundle Software : System Health monitoring Tool available with H/W box.
- 22. Security : Integrated panel lock or pad lock.

(4) WORKSTATION INTEL XEON DUAL PROCESSOR BASED WITH N-VIDIA QUADRO 5000 (2.5 GB)

Workstation Intel Xeon Dual Core Processor Based For Advanced visualisation and virtual reality application.

- 1. CPU : Intel (R) Xeon (R) Processor E5-2650, 2.0 GHz 20 MB L3 cache or higher.
- 2. Chip set and Motherboard : Intel C 602 chipset or better.
- 3. Memory : 8 GB DDR3 expandable to 256 GB.
- 4. Hard Disk Drive : 1x1000 GB SATA HDD at 7200 rpm upgradeable to 2 HDD.
- 5. Storage Controller : SATA Controller RAID support 0 & 1.
- 6. Graphic Card : 2 x N-VIDIA Quadro 5000(2.5 GB) or higher and Tesla card C-2075 or higher.
- 7. Keyboard : Standard Keyboard
- 8. Mouse : Optical Scroll Mouse
- 9. PCI Slots : 5 PCI/PCI Express including 2 PCI Express X 16 for Dual Graphics and TESLA Card support.
- 10. Bays : Total 4 Bays (2 internal, 2 external)

- 11. Ports : 5 USB 2.0, 2 USB 3.0, RJ-45, audio in, audio out, mic in.
- 12. Cabinet : Mini tower
- 13. Optical Drive : 8 X DVD writer.
- 14. Networking features : Integrated 10/100/1000
- 15. Operating System : Microsoft Windows 7 Professional 64 Bit or higher.
- 16. OS Certifications : Windows 7 and Red Hat or Suse Linux
- 17. Application : At least four ISV certifications for Applications Certification from the following categories (Minimum one ISV certification from each category)
 - (a) Digital Content Creation(DCC)
 - (b) Mechanical Computer Aided Design (MCAD).
 The Certification should be listed on the

website

of Independent Software Vendor (ISV). The Hard

copy

of same shall be submitted with the technical

bid.

- 18. Safety Certification : FCC for EMI and UL/CE for Safety
- 19. Power Supply : 230V +/- 10% single phase, 50 Hz AC
- 20. Power Management : ACPI (Advanced Configuration and Power Management Interface)
- 21. Bundle Software : System Health monitoring Tool available with H/W box.
- 22. Security : Integrated panel lock or pad lock.

(5) WORKSTATION INTEL XEON DUAL PROCESSOR BASED WITH N-VIDIA QUADRO 6000 (6GB)

Workstation Intel Xeon Dual Core Processor Based For Advanced visualisation and virtual reality application.

- 1. CPU : Intel (R) Xeon (R) Processor E5-2650, 2.0 GHz 20 MB L3 cache or higher.
- 2. Chip set and Motherboard : Intel C 602 chipset or better.
- 3. Memory : 8 GB DDR3 expandable to 256 GB.
- 4. Hard Disk Drive : 1x1000 GB SATA HDD at 7200 rpm upgradeable to 2 HDD.
- 5. Storage Controller : SATA Controller RAID support 0 & 1.
- 6. Graphic Card : 2 x N-VIDIA Quadro 6000(6GB) or higher.
- 7. Keyboard : Standard Keyboard
- 8. Mouse : Optical Scroll Mouse
- 9. PCI Slots : 5 PCI/PCI Express including 2 PCI Express X 16 for Dual Graphics and TESLA Card support.
- 10. Bays : Total 4 Bays (2 internal, 2 external)
- 11. Ports : 5 USB 2.0, 2 USB 3.0, RJ-45, audio in, audio out, mic in.
- 12. Cabinet : Mini tower
- 13. Optical Drive : 8 X DVD writer.
- 14. Networking features : Integrated 10/100/1000
- 15. Operating System : Microsoft Windows 7 Professional 64 Bit or higher.
- 16. OS Certifications : Windows 7 and Red Hat or Suse Linux or ubuntu Linux
- 17. Application : At least four ISV certifications for Applications Certification from the following categories (Minimum one ISV certification from each category)
 - (a) Digital Content Creation(DCC)
 - (b) Electronic Design Automation (EDA)
 - (C) Mechanical Computer Aided Design (MCAD).
 The Certification should be listed on the

website

of Independent Software Vendor (ISV). The Hard

copy
of same shall be submitted with the technical
bid.
18. Safety Certification : FCC for EMI and UL/CE for Safety
19. Power Supply : 230V +/- 10% single phase, 50 Hz AC
20. Power Management : ACPI (Advanced Configuration and Power Management
Interface)
21. Bundle Software : System Health monitoring Tool available with H/W
box.
22. Security : Integrated panel lock or pad lock.

(6) WORKSTATION INTEL XEON SIX CORE PROCESSOR BASED WITH N-VIDIA QUADRO 2000 (1 GB)

Workstation Six Core Intel Xeon Processor Based For Computer Aided Engineering -

1. CPU : Intel Xeon E 2620, 2.0 GHz, 15 MB L3 cache or higher
2. Chip set and Motherboard : Intel C-602 chipset.
3. Memory : 4 GB DDR3 1600 Mhz expandable to 96 GB,
4. Hard Disk Drive : 1000 GB SATA HDD at 7200 rpm upgradeable to 2 HDD.
5. Storage Controller : SATA Controller RAID 0, 1 .
6. Graphic Card : NVIDIA Quadro 2000(1GB) or higher/
ATI Firepro V4900(1GB) or higher.
7. Keyboard : Standard Keyboard
8. Mouse : Optical Scroll Mouse
9. PCI Slots : 4 PCI/PCI Express including 1 PCI Express X 16
10. Bays : Total 4 Bays (2 internal, 2 external)
11. Ports : 5 USB 2.0, 2 USB 3.0, RJ-45, audio in, audio out, mic in.
12. Cabinet : Mini tower
13. Optical Drive : 8 X DVD writer.
14. Networking features : Integrated 10/100/1000
15. Operating System : Microsoft Windows 7 Professional 64 Bit or higher.
16. OS Certifications : Windows 7 and Red Hat or Suse Linux or Ubuntu Linux.
17. Application : At least four ISV certifications for Applications Certification from the following categories (Minimum one ISV certification from each category)

- (a) Digital Content Creation(DCC)
 - (b) Electronic Design Automation (EDA)
 - (c) Mechanical Computer Aided Design (MCAD).
- The Certification should be listed on the

website
of Independent Software Vendor (ISV). The Hard
copy
of same shall be submitted with the technical

bid.
18. Safety Certification : FCC for EMI and UL/CE for Safety
19. Power Supply : 230V +/- 10% single phase, 50 Hz AC
20. Power Management : ACPI (Advanced Configuration and Power Management
Interface)
21. Bundle Software : System Health monitoring Tool available with H/W
box.
22. Security : Integrated panel lock or pad lock.

(7) WORKSTATION INTEL XEON SIX CORE PROCESSOR BASED WITH N-VIDIA QUADRO 4000 (2GB) or equivalent

Workstation Six Core Intel Xeon Processor Based For Computer Aided Engineering -

1. CPU : Intel Xeon E 2620, 2.0 GHz, 15 MB L3 cache or higher
2. Chip set and Motherboard : Intel C-602 chipset.
3. Memory : 4 GB DDR3 1600Mhz expandable to 96 GB,
4. Hard Disk Drive : 1000 GB SATA HDD at 7200 rpm upgradeable to 2 HDD.
5. Storage Controller : SATA Controller RAID 0, 1 .
6. Graphic Card : NVIDIA Quadro 4000(2GB) or higher/
ATI Fire pro V7900(2GB) or higher.
7. Keyboard : Standard Keyboard
8. Mouse : Optical Scroll Mouse
9. PCI Slots : 4 PCI/PCI Express including 1 PCI Express X 16
10. Bays : Total 4 Bays (2 internal, 2 external)
11. Ports : 5 USB 2.0, 2 USB 3.0, RJ-45, audio in, audio out, mic in.
12. Cabinet : Mini tower
13. Optical Drive : 8 X DVD writer.
14. Networking features : Integrated 10/100/1000
15. Operating System : Microsoft Windows 7 Professional 64 Bit or higher.
16. OS Certifications : Windows 7 and Red Hat or Suse Linux or Ubuntu Linux.
17. Application : At least four ISV certifications for Applications Certification from the following categories (Minimum one ISV certification from each category)

- (a) Digital Content Creation(DCC)
 - (b)Electronic Design Automation(EDA)
 - (c) Mechanical Computer Aided Design (MCAD).
- The Certification should be listed on the

website

of Independent Software Vendor (ISV). The Hard

copy

of same shall be submitted with the technical

bid.

18. Safety Certification : FCC for EMI and UL/CE for Safety
19. Power Supply : 230V +/- 10% single phase, 50 Hz AC
20. Power Management : ACPI (Advanced Configuration and Power Management Interface)
21. Bundle Software : System Health monitoring Tool available with H/W box.
22. Security : Integrated panel lock or pad lock.

(8) WORKSTATION INTEL XEON SIX CORE PROCESSOR BASED WITH N-VIDIA QUADRO 5000 (2.5 GB)

Workstation Six Core Intel Xeon Processor Based For Computer Aided Engineering -

1. CPU : Intel Xeon E 2620, 2.0 GHz, 15 MB L3 cache or higher
2. Chip set and Motherboard : Intel C-602 chipset.
3. Memory : 4 GB DDR3 1600 MHz, expandable to 96 GB,
4. Hard Disk Drive : 1000 GB SATA HDD at 7200 rpm upgradeable to 2 HDD.
5. Storage Controller : SATA Controller RAID 0, 1 .
6. Graphic Card : NVIDIA Quadro 5000(2.5GB) or higher
7. Keyboard : Standard Keyboard
8. Mouse : Optical Scroll Mouse
9. PCI Slots : 4 PCI/PCI Express including 1 PCI Express X 16
10. Bays : Total 4 Bays (2 internal, 2 external)

- 11. Ports : 5 USB 2.0, 2 USB 3.0, RJ-45, audio in, audio out, mic in.
- 12. Cabinet : Mini tower
- 13. Optical Drive : 8 X DVD writer.
- 14. Networking features : Integrated 10/100/1000
- 15. Operating System : Microsoft Windows 7 Professional 64 Bit.
- 16. OS Certifications : Windows 7 and Red Hat or Suse Linux or Ubuntu Linux.
- 17. Application : At least four ISV certifications for Applications Certification from the following categories (Minimum one ISV certification from each category) as per lists enclosed at Annexure `A'

- (a) Digital Content Creation(DCC)
 - (b) Electronic Design Automation(EDA)
 - (c) Mechanical Computer Aided Design (MCAD).
- The Certification should be listed on the

website

of Independent Software Vendor (ISV). The Hard

copy

of same shall be submitted with the technical

bid.

- 18. Safety Certification : FCC for EMI and UL for Safety
- 19. Power Supply : 230V +/- 10% single phase, 50 Hz AC
- 20. Power Management : ACPI (Advanced Configuration and Power Management Interface)
- 21. Bundle Software : System Health monitoring Tool available with H/W box.
- 22. Security : Integrated panel lock or pad lock.

- (9) WORK STATION INTEL XEON W 3565/E5-1607 PROCESSOR BASED WITH N-VIDIA QUADRO 2000 (1 GB) or equivalent

Workstation Intel Xeon W 3565 Processor for computer Aided Design& GIS Application.

- 1. CPU : Intel Xeon W 3565/E5-1605 processor, 3.6 GHz, 8 MB L3 Cache or higher.
- 2. Chipset & Motherboard : Intel C602 chipset or better.
- 3. Memory : 4 GB DDR3 1600MHz expandable upto 64 GB.
- 4. Hard Disk Drive : 500 GB SATA 7200 rpm UPGRADEABLE TO 2 HDD.
- 5. Storage Controller : SATA Controller with RAID card 0,1
- 6. Graphic Card : N-VIDIA Quadro 2000 (1GB) or higher/ ATI Firepro V4900 (1GB) or higher.
- 7. Keyboard : Standard Keyboard
- 8. Mouse : Optical Scroll Mouse
- 9. PCI Slots : 5 PCI/PCI Express including 1 PCI Express x 16 for graphics
- 10. Bays external. : Total 4 Bays with minimum 2 internal and 1 external.
- 11. Ports in, : 5 USB 2.0, 2 USB 3.0, parallel port, RJ-45, audio in, audio out, mic in.
- 12. Cabinet : Mini tower
- 13. Optical Drive : 8 X DVD writer.
- 14. Networking features : Integrated 10/100/1000
- 15. Operating System : Microsoft Windows 7 Professional (64 bit) or higher
- 16. OS Certifications : Windows 7 Logo and Red Hat or Suse Linux or Ubuntu Linux.
- 17. Application Certification: At least four ISV certifications for Applications

from the following categories(Minimum one ISV certification from each category)

- (a) Digital Content Creation(DCC)
 - (b) Electronic Design Automation (EDA)
 - (c) Mechanical Computer Aided Design (MCAD) .
- The Certification should be listed on the

website

of Independent Software Vendor (ISV). The

Hardcopy

of same shall be submitted with the technical

bid.

- 18. Safety Certification : FCC for EMI and UL/CE for Safety
- 19. Power Supply : 230V +/- 10% single phase, 50 Hz AC
- 20. Power Management : ACPI(Advanced configuration and Power Management Interface)
- 21. Bundle Software : System Health monitoring Tool available with H/W box.
- 22. Security : Integrated panel lock or pad lock.

- (10) WORK STATION INTEL XEON W 3565/E5-1607 PROCESSOR OR HIGHER BASED WITH N-VIDIA QUADRO 4000 (2 GB) or equivalent

Workstation Intel Xeon W 3565/E5-1607 Processor for computer Aided Design& GIS Application.

- 1. CPU : Intel Xeon W 3565/E5-1607 processor, 3.2 GHz, 8 MB L3 Cache or higher.
- 2. Chipset & Motherboard : Intel X 58 chipset.
- 3. Memory : 4 GB DDR3 1600 Mhz expandable upto 64 GB.
- 4. Hard Disk Drive : 500 GB SATA 7200 rpm UPGRADEABLE TO 2 HDD.
- 5. Storage Controller : SATA Controller with RAID card 0,1
- 6. Graphic Card : N-VIDIA Quadro 4000 (2GB) or higher/ ATI Firepro V7900 (2GB) or higher.
- 7. Keyboard : Standard Keyboard
- 8. Mouse : Optical Scroll Mouse
- 9. PCI Slots : 5 PCI/PCI Express including 1 PCI Express x 16 for graphics
- 10. Bays external. : Total 4 Bays with minimum 2 internal and 1 external.
- 11. Ports in, : 5 USB 2.0, 2 USB 3.0, parallel port, RJ-45, audio in, audio out, mic in.
- 12. Cabinet : Mini tower
- 13. Optical Drive : 8 X DVD writer.
- 14. Networking features : Integrated 10/100/1000
- 15. Operating System : Microsoft Windows 7 Professional (64 bit) or higher
- 16. OS Certifications : Windows 7 Logo and Red Hat or Suse Linux or Ubuntu Linux
- 17. Application Certification: At least four ISV certifications for Applications from the following categories(Minimum one ISV certification from each category)

- (a) Digital Content Creation(DCC)
 - (b) Electronic Design Automation (EDA)
 - (c) Mechanical Computer Aided Design (MCAD).
- The Certification should be listed on the

website

of Independent Software Vendor (ISV). The

Hardcopy

of same shall be submitted with the technical

- bid.
- 18. Safety Certification : FCC for EMI and UL/CE for Safety
 - 19. Power Supply : 230V +/- 10% single phase, 50 Hz AC
 - 20. Power Management : ACPI(Advanced configuration and Power Management Interface)
 - 21. Bundle Software : System Health monitoring Tool available with H/W box.
 - 22. Security : Integrated panel lock or pad lock.

(11) WORK STATION INTEL XEON W 3565/E5-1607 PROCESSOR OR HIGHER BASED WITH N-VIDIA QUADRO 5000 (2.5 GB)or equivalent

Workstation Intel Xeon W 3565/E5-1607 Processor or higher for computer Aided Design& GIS Application.

- 1. CPU : Intel Xeon W 3565/E5-1607 processor, 3.2 GHz, 8 MB L3 Cache.
- 2. Chipset & Motherboard : Intel C602 chipset or higher.
- 3. Memory : 4 GB DDR3 1600 Mhz expandable upto 64 GB.
- 4. Hard Disk Drive : 500 GB SATA 7200 rpm UPGRADEABLE TO 2 HDD.
- 5. Storage Controller : SATA Controller with RAID card 0,1
- 6. Graphic Card : N-VIDIA Quadro 5000 (2.5GB) or higher.
- 7. Keyboard : Standard Keyboard
- 8. Mouse : Optical Scroll Mouse
- 9. PCI Slots : 5 PCI/PCI Express including 1 PCI Express x 16 for graphics
- 10. Bays : Total 4 Bays with minimum 2 internal and 1 external.
- 11. Ports : 5 USB 2.0, 2 USB 3.0, parallel port, RJ-45, audio in, audio out, mic in.
- 12. Cabinet : Mini tower
- 13. Optical Drive : 8 X DVD writer.
- 14. Networking features : Integrated 10/100/1000
- 15. Operating System : Microsoft Windows 7 Professional (64 bit)or hogher
- 16. OS Certifications : Windows 7 Logo and Red Hat or Suse Linux or Ubuntu Linux
- 17. Application Certification: At least four ISV certifications for Applications from the following categories(Minimum one ISV certification from each category)

- (a) Digital Content Creation(DCC)
 - (b) Electronic Design Automation (EDA)
 - (c) Mechanical Computer Aided Design (MCAD).
- The Certification should be listed on the

website

of Independent Software Vendor (ISV). The

Hardcopy

of same shall be submitted with the technical

- bid.
- 18. Safety Certification : FCC for EMI and UL/CE for Safety
 - 19. Power Supply : 230V +/- 10% single phase, 50 Hz AC
 - 20. Power Management : ACPI(Advanced configuration and Power Management Interface)
 - 21. Bundle Software : System Health monitoring Tool available with H/W box.
 - 22. Security : Integrated panel lock or pad lock.

Add on items for Workstations

Add-on items shall be suitable for the respective work stations.

In lieu items for Workstations

In - lieu items shall be suitable for the respective work stations.

LIST OF ALL AMENDMENTS

For RC No. WORKSTN/IT-1/RC-71040000/0614/81/O0259/4304

NOTE: No Amendments issued till date 06-FEB-14