

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. WORKSTN/IT-1/RC-71040000/1215/81/F0856/4658
Dated 28-OCT-15

To,

ABC INFOSYSTEMS PVT. LTD.
1/3, IInd Floor, East Patel Nagar, New Delhi-110008
Contact person - Mr. Anjani Jaiswal, 09810076839, 09310076839,
09717536839, 011-45138349 anjani@abcinfo.in,
anjanijaiswal@yahoo.com
NEW DELHI

Sub: Rate Contract for supply of Workstations
Validity: From 28-OCT-15 To 31-JUL-16 .

Ref:(1) This Office Tender Enquiry No. WORKSTN/IT-1/RC-71040000/1215/81
Opened on 24-DEC-14.
(2) Your Quotation No. 6593 And Dated
24-DEC-14.

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

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-71040000/1215/81/F0856/4658

Dated 28-OCT-15 For the Supply of Workstations

2. Advance Rate Contract No.: - Nil

Dated

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

ABC INFOSYSTEMS PVT. LTD.
 1/3, IInd Floor, East Patel Nagar, New Delhi-110008
 Contact person - Mr. Anjani Jaiswal, 09810076839,
 09310076839,
 09717536839, 011-45138349 anjani@abcinfo.in,
 anjanijaiswal@yahoo.com
 NEW DELHI
 DELHI - 110008
 Tel. No. - 9810076839, 011-45138349
 Fax - 011-45138349
 Email - anjanijaiswal@yahoo.com

(b) Name and Full Address of Manufacturer :-

Fujitsu Technology Solutions GmbH
 Mies-van-Rohe Street-8, D80807, Munich, Germany

(c) Brand: Fujitsu

4. Validity of Rate Contract: 28-OCT-15 To 31-JUL-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)
1	Celsius H730 Workstation						NOS.	103250 Rs. ONE LAKHS THREE THOUSAN D TWO HUNDRED FIFTY ONLY
		N.A				Excl.	5	
	Min.Order Qty(in unit):- 1			Lead Time(in days):- 30			Rate of Supply(monthly):- 500	
2	Celsius R940 Workstation						NOS.	268000 Rs. TWO LAKHS SIXTY-

EIGHT
THOUSAN
D ONLY

		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 30	Rate of Supply(monthly):-500	
3	Celsius M740 Workstation		Configuration: Intel Xeon Six Core Processor	NOS.	88500 Rs. EIGHTY- EIGHT THOUSAN D FIVE HUNDRED ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 30	Rate of Supply(monthly):-500	
4	Celsius M740 Workstation		Configuration: Intel Xeon E5-1607 Processor	NOS.	73900 Rs. SEVENTY- THREE THOUSAN D NINE HUNDRED ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 30	Rate of Supply(monthly):-500	
5	Celsius W530 Workstation		Configuration: Intel Xeon E3-1245 Processor	NOS.	64750 Rs. SIXTY- FOUR THOUSAN D SEVEN HUNDRED FIFTY ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 30	Rate of Supply(monthly):-500	
6	Fujitsu P24W Add on items for Workstations		Items: TFT Monitor for high resolution graphics, (1920x1200) 60.9cm/24"	NOS.	25625 Rs. TWENTY- FIVE THOUSAN D SIX HUNDRED TWENTY- FIVE ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 30	Rate of Supply(monthly):-500	
13	Nvidia NVS-315 Add on items for Workstations		Items: Graphic Card: 512 MB NVIDIA Quadro 410 or higher	NOS.	6925 Rs. SIX THOUSAN D NINE HUNDRED TWENTY-

		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 30	Rate of Supply(monthly):-500	
14	Nvidia K-4200 Add on items for Workstations		Items: Graphic card: NVIDIA Quadro K4000 (3 GB) or higher	NOS.	49250 Rs. FORTY-NINE THOUSAND TWO HUNDRED FIFTY ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 114	Rate of Supply(monthly):-500	
15	Nvidia K-5200 Add on items for Workstations		Items: Graphic card: NVIDIA Quadro K5000 (4 GB) or higher	NOS.	122000 Rs. ONE LAKHS TWENTY-TWO THOUSAND ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 30	Rate of Supply(monthly):-500	
16	Nvidia Tesla K-20 Add on items for Workstations		Items: Graphic card: Tesla Card K20 Graphical Processing Card or higher	NOS.	198750 Rs. ONE LAKHS NINETY-EIGHT THOUSAND SEVEN HUNDRED FIFTY ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 30	Rate of Supply(monthly):-500	
17	Nvidia Quadro K-6000 Add on items for Workstations		Items: Graphic card: NVIDIA Quadro K6000 (12 GB) or higher	NOS.	275000 Rs. TWO LAKHS SEVENTY-FIVE THOUSAND ONLY
		N.A	Excl.	5	
		Min.Order Qty(in unit):- 1	Lead Time(in days):- 30	Rate of Supply(monthly):-500	
18	Nvidia Quadro K-2200 Add on items for Workstations		Items: Graphic card: NVIDIA Quadro K2000 (2 GB) or higher	NOS.	26500 Rs. TWENTY-SIX THOUSAND FIVE HUNDRED ONLY
		N.A	Excl.	5	

6-Terms of Delivery:	-
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:	Upto first 500 Nos within 60 days, thereafter, 500 Nos per month.
10(a)-Annual Turnover:	2013-14 412 Lakhs
(b)-Monetary Limit(In Rs.):	Without Any Limit
11-Payment Terms:	80% against inspection of stores (wherever applicable) and provisional receipt of stores by consignee, and balance 20% on acceptance of stores by consignee within 60 days of receipt of stores. Note: Provisional Receipt of stores by consignee are to be given on copy no. 1 of the I-Note for initial payment of 80% may be followed by acceptance of stores certificate to be given by consignees on copy no. 2 & 5 of I-Notes for balance 20% payments.
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:	For Civil

ADG(QA),Jeevan Tara Building,Parliament Street
New Delhi

20-Quality Assurance Officer/Inspecting officer:

For Civil
Director(QA), Delhi Directorate,
Jeevan Tara Building, 4th Floor, Sansad Marg
New Delhi
DELHI - 110001
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:

ABC Infosystems Pvt. Ltd., B-64 (Basement), Inderpuri, New
Delhi-110012

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,debaring 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.

25.DGS&D reserves the right for pre-dispatch inspection at manufacturer"s premises or consignee end inspection after receipt of stores or at both places,at the option of indentors.

26.Jurisdiction/Arbitration Clause

a)Jurisdiction will be the place of issue of the rate contract.Sole Arbitrator will be appointed by DG(S&D).For details refer Clause-23 of DGS&D-1001.Further,where the Contract/Rate Contract is governed by DGS&D arbitration clause,the dispute cannot be referred by the supplier or entertained by Facilitation Council or any other Adjudicating Forum.

b)The arbitrary as appointed under provisions of para 18.1.1 of DGS&D Mannual shall adjudicate only on the disputes arising out of interpretation of terms & conditions stipulated in Rate Contracts.For settlement of disputes relating to execution of supply orders placed by various Direct Demanding officers (DD0s)/Indentors against DGS&D Rate Contracts, each DDO/INDENTOR shall himself nominate an arbitrator at the time of placement of supply orders,as per guidelines/instructions for appointment of arbitrator in indenting organisation.

c)DGS&D or its regional offices shall not be made a party in any dispute relating to execution of Supply Order placed by DDO/Indentor against DGS&D Rate Contracts including the case filed in MSME Facilitation Councils.

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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

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

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.

Note:- The Rate Contract for AMC has also been granted for the corresponding Workstation 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 in to 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.

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)

Manufacturing Plant Address :-

1 Fujitsu Technology Solutions GmbH Buergermeister-Ulrich-str, 100-86199 Augsburg, Germany Germany

2 Fujitsu Technology Solutions GmbH Shimane Fujitsu Limited, 1180-6 MitsuganeHikawa-cho, Izumo-chi, Japan
Japan

SCHEDULE - C

List of Parallel Rate Contract For Workstations

Sr.No.	NAME & FULL ADDRESS OF FIRM	R/C NO & DATE
1	AGMATEL INDIA PVT LTD E 366 IInd Floor Nirman Vihar Vikas Marg Delhi-110092 Contact person - K. Rana, krana@agmatel.com, 09313631206 Toll Free No. 1800113233 DELHI DELHI 110092	WORKSTN/IT-1/RC- 71040000/1215/81/F0177/4609 05-AUG-15
2	ABC INFOSYSTEMS PVT. LTD. 1/3, IInd Floor, East Patel Nagar, New Delhi-110008 Contact person - Mr. Anjani Jaiswal, 09810076839, 09310076839, 09717536839, 011-45138349 anjani@abcinfo.in, anjanijaiswal@yahoo.com NEW DELHI DELHI 110008	WORKSTN/IT-1/RC- 71040000/1215/81/F0856/4658 28-OCT-15
3	NETWEB TECHNOLOGIES B-1/A25, 2ND FLOOR, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI-110044. Contact Person: Hirdey Vikram, Mob.8826388366, 9810025996, 011-43240000 E-mail: hirdey.vikram@netwebindia.com NEW DELHI DELHI 110044	WORKSTN/IT-1/RC- 71040000/1215/81/06754/4603 24-JUL-15
4	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 Gurgaon HARYANA 122002	WORKSTN/IT-1/RC- 71040000/1215/81/O0259/4611 10-AUG-15
5	LENOVO (INDIA) PRIVATE LIMITED Vatika Business Park, 1st Floor, Badshahpur Road, Sector - 49, Sohana Road, Gurgaon Mr. Bhanu Pratap Singh, 09611186591, bsingh@lenovo.com Mr. Avishek Haldar-9899782077	WORKSTN/IT-1/RC- 71040000/1215/81/04878/4610 10-AUG-15

5

Gurgaon
HARYANA

122002

WORKSTN/IT-1/RC-
71040000/1215/81/04878/4610
10-AUG-15

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 consist of verification of all the features & functional requirements including environmental tests. Type test reports shall be required at the time of Registration and Inspection. All bidders shall furnish type test certificates as and when requested to do so by the Purchaser, Indentor, Consignee etc. 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.

The environmental tests sequence shall 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).

After the above environmental tests sequence, the workstation shall be checked for satisfactory functional requirements using diagnostic software, after a recovery period of 1 to 2 hours.

Quality Assurance and testing :

(A) Bidders shall have the following acceptance testing facilities at the place of inspection.

1. Licensed version of suitable diagnostic software to test all the components of workstation
2. Software pattern generator to generate patterns to check the monitor..
3. Facility for measuring leakage current (0.21 mA Max), High Voltage test at 1 KV for 1 minute, Insulation Resistance test (min. 10 Mega ohm at 500V) and resistance to earth (0.1 ohm max) for checking the safety aspect of the system. Test method can be as per IS:302-as applicable

(B) Bidders shall also preferably have the following facilities at their premises:

1. An ESD simulator of 8 KV to check ESD susceptibility for 10 nos. of Air Discharge of 8 KV and 10 Nos of contact discharge of 4kV.
2. Thermal chamber to check thermal suitability of each configuration for the operating conditions of 0 degree C, 45 degree C and 40 degree C at 95 % Relative Humidity by running a suitable diagnostic software at 0 degree, at 45 degree and at 40 degree C at 95 % Relative Humidity for at least 4 hours each.
These tests could alternatively be conducted at an NABL/ILAC approved laboratory, if the facilities for the same are not available with them.

(C) Drop test should be conducted on all the six surfaces of the packaging with the systems 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. offered during inspection .
- (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 inspection.
- (G) Supplier shall submit the necessary Certification/Documents at the time of Registration and Inspection for the following.
- a. RoHS Compliance (self declaration shall be furnished)
 - b. TCO-06 Compliance (for Monitors)
 - c. ISO 14001 for the manufacturing works of the OEM
- (H) Bidders shall furnish the details as per questionnaire and same will be made part of resutant R/C.
- (I) Bidders shall comply with all relevant Gazzette notifications as applicabile.
- (J) Products with better specification than specified in the T/E will also be acceptable.

ANNEXURE `A'

"List Of Software Applications For Workstation "

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

Workstation

(1) 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) i5-3340M, 2.7 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 or better expandable upto 16 GB.
- 4. Hard Disk Drive : 500 GB 7200 rpm HDD or higher.
- 5. Screen : 39.1cm(15.6 inches), High Definition (1366 x 768), antiglare, LED-backlit or better.
- 6. Keyboard : Standard Keyboard and optical mouse or integrated key board with touch pad.
- 7. Ports : 1-VGA, 1-RJ45, 2-USB 2.0, 1 USB 3.0, 1-Docking Connector, 1-Travel Battery Connector.
- 8. Optical Drive : 8 X DVD writer
- 9. Networking features : Gigabit NIC10/100/1000 and 802.11 a/g/n wireless Card
- 10. Operating System : Microsoft Windows 8.1 Professional 64 bit or higher.
- 11. OS Certifications : Windows and Red Hat or Suse Linux or Ubuntu Linux.
- 12. Applications : As per list enclosed at annexure-A
OEM certification for (a) Digital Content Creation(DCC),
(b)Electronic Design Automation(EDA) and
(c) Mechanical Computer Aided Design (MCAD) from OEM manufacturing Workstation shall be acceptable.
- 13. Safety Certification : As per IEC:60950-1 / IS:13252 with all amendments up to date.
- 14. 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.
- 15. Graphics : Nvidia Quadro K1100M with 2GB dedicated memory

(2) WORKSTATION WITH INTEL XEON DUAL PROCESSOR

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

1. CPU : Intel (R) Xeon (R) Processor E5-2650 v2/v3, 2.6 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 or better.
4. Hard Disk Drive : 1x1000 GB SATA HDD at 7200 rpm upgradeable to 2 HDD or better.
5. Storage Controller : SATA Controller RAID support 0 & 1.
6. Keyboard : Standard Keyboard
7. Mouse : Optical Scroll Mouse
8. PCI Slots : 5 PCI/PCI Express including 2 PCI Express X 16 for Dual Graphics and TESLA Card support.
9. Bays : Total 4 Bays (2 internal, 2 external)
10. Ports : 5 USB 2.0, 2 USB 3.0, RJ-45, audio in, audio out, mic in.
11. Cabinet : Mini tower
12. Optical Drive : 8 X DVD writer.
13. Networking features : Integrated 10/100/1000
14. Operating System : Microsoft Windows 8.1 Professional 64 Bit or higher.
15. OS Certifications : Windows and Red Hat or Suse Linux or Ubuntu Linux
16. Applications : As per list enclosed at annexure-A
OEM certification for (a) Digital Content Creation(DCC),
(b)Electronic Design Automation(EDA) and
(c) Mechanical Computer Aided Design (MCAD)
from OEM manufacturing Workstation shall be acceptable.
17. Safety Certification : As per IEC:-60950-1 / IS:13252with all amendments up to date.
18. Power Supply : 230V +/- 10% single phase, 50 Hz AC
19. Power Management : ACPI (Advanced Configuration and Power Management Interface)
20. Bundle Software : System Health monitoring Tool available with H/W box.
21. Security : Integrated panel lock or pad lock.

(3) WORKSTATION WITH INTEL XEON SIX CORE PROCESSOR

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

1. CPU : Intel Xeon E5-2620 v2/v3, 2.1 GHz, 15 MB L3 cache or higher
2. Chip set and Motherboard : Intel C-602 chipset or better.
3. Memory : 4 GB DDR3 1600 Mhz expandable to 96 GB or better.
4. Hard Disk Drive : 1000 GB SATA HDD at 7200 rpm upgradeable to 2 HDD or better.
5. Storage Controller : SATA Controller RAID 0, 1 .
6. Keyboard : Standard Keyboard
7. Mouse : Optical Scroll Mouse
8. PCI Slots : 4 PCI/PCI Express including 1 PCI Express X 16
9. Bays : Total 4 Bays (2 internal, 2 external)
10. Ports : 5 USB 2.0, 2 USB 3.0, RJ-45, audio in, audio out, mic in.
11. Cabinet : Mini tower
12. Optical Drive : 8 X DVD writer.

- 13. Networking features : Integrated 10/100/1000
- 14. Operating System : Microsoft Windows 8.1 Professional 64 Bit or higher.
- 15. OS Certifications : Windows and Red Hat or Suse Linux or Ubuntu Linux.
- 16. Applications : As per list enclosed at annexure-A
OEM certification for (a) Digital Content Creation(DCC),
(b)Electronic Design Automation(EDA) and
(c) Mechanical Computer Aided Design (MCAD) from OEM manufacturing Workstation shall be acceptable.
- 17. Safety Certification : As per IEC:60950-1 / IS:13252with all amendments up to date.
- 18. Power Supply : 230V +/- 10% single phase, 50 Hz AC
- 19. Power Management : ACPI (Advanced Configuration and Power Management Interface)
- 20. Bundle Software : System Health monitoring Tool available with H/W box.
- 21. Security : Integrated panel lock or pad lock.

(4) WORK STATION WITH INTEL XEON E5-1607 PROCESSOR

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

- 1. CPU : Intel Xeon E5-1607(v2/v3) processor, 3.0 GHz, 10 MB L3 Cache or higher.
- 2. Chipset & Motherboard : Intel C602 chipset or better.
- 3. Memory : 4 GB DDR3 1600MHz expandable upto 64 GB or better.
- 4. Hard Disk Drive : 500 GB SATA 7200 rpm UPGRADEABLE TO 2 HDD or higher.
- 5. Storage Controller : SATA Controller with RAID card 0,1
- 6. Keyboard : Standard Keyboard
- 7. Mouse : Optical Scroll Mouse
- 8. PCI Slots : 5 PCI/PCI Express including 1 PCI Express x 16 for graphics
- 9. Bays : Total 4 Bays with minimum 2 internal and 1 external.
- 10. Ports : 5 USB 2.0, 2 USB 3.0, parallel port, RJ-45, audio in,
audio out, mic in.
- 11. Cabinet : Mini tower
- 12. Optical Drive : 8 X DVD writer.
- 13. Networking features : Integrated 10/100/1000
- 14. Operating System : Microsoft Windows 8.1 Professional (64 bit)or higher
- 15. OS Certifications : Windows and Red Hat or Suse Linux or Ubuntu Linux.
- 16. Applications : As per list enclosed at annexure-A
OEM certification for (a) Digital Content Creation(DCC),
(b)Electronic Design Automation(EDA) and
(c) Mechanical Computer Aided Design (MCAD) from OEM manufacturing Workstation shall be acceptable.
- 17. Safety Certification : As per IEC:60950-1 / IS:13252 with all amendments up to date.
- 18. Power Supply : 230V +/- 10% single phase, 50 Hz AC

- 19. Power Management : ACPI(Advanced configuration and Power Management Interface)
- 20. Bundle Software : System Health monitoring Tool available with H/W box.
- 21. Security : Integrated panel lock or pad lock.

(5) WORKSTATION INTEL XEON E3-1245 PROCESSOR BASED

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

- 1. CPU : Intel Xeon E3-1245 v3, 3.4 GHz, 8 MB L3 Cache or better.
- 2. Chipset & Motherboard : Intel C-216 chipset or better.
- 3. Memory : 4 GB (2x2GB), DDR3 expandable upto 32 GB or better.
- 4. Hard Disk Drive : 500 GB 7200 RPM SATA Hard drive or better.
- 5. Storage Controller : Integrated 4 channel Serial ATA controller with RAID 0, 1 and combination of 1& 0 functionality
- 6. Keyboard : Standard Keyboard
- 7. Mouse : Optical Scroll Mouse
- 8. PCI Slots : 4 PCI/PCI Express including 1 PCI Express x 16
- 9. Bays : Total 4 Bays with minimum 2 internal and 1 external.
- 10. Ports : 5 USB 2.0, 2 USB 3.0, RJ-45, audio in, audio out, mic in.
- 11. Cabinet : Mini tower
- 12. Optical Drive : 8 X DVD writer.
- 13. Networking features : Integrated 10/100/1000
- 14. Operating System : Microsoft Windows 8.1 Professional 64 bit or higher.
- 15. OS Certifications : Windows and Red Hat or Suse Linux or Ubuntu linux
- 16. Applications : As per list enclosed at annexure-A
OEM certification for (a) Digital Content Creation(DCC),
(b)Electronic Design Automation(EDA) and
(c) Mechanical Computer Aided Design (MCAD)
from OEM manufacturing Workstation shall be acceptable.
- 17. Safety Certification : As per IEC:60950-1 / IS:13252with all amendments up to date.
- 18. Power Supply : 230V +/- 10% single phase, 50 Hz AC
- 19. Power Management : ACPI(Advanced configuration and Power Management Interface)
- 20. Bundle Software : System Health monitoring Tool available with H/W box.
- 21. Security : Integrated panel lock or pad lock.

Add on items for Workstations

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

LIST OF ALL AMENDMENTS

For RC No. WORKSTN/IT-1/RC-71040000/1215/81/F0856/4658

NOTE: No Amendments issued till date 28-OCT-15