

For more details contact:  
LR Infotech Systems  
0471-2572600 / 2572601  
0471-3014602 / 3014604  
Mob: 94472 66600

**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:  
Shashi Kiran Sud  
Email Id:  
sksud@dgsnd.gov.in

Rate Contract no. MMP/IT-3/RC-D1020000/0910/83/01257/1648  
Dated 31-MAY-10

To,

ACER INDIA (PVT) LIMITED  
B-28, Ground Floor, Okhla Industrial Area Phase -I  
New Delhi

Sub: Rate Contract for supply of Multimedia Projector  
Validity: From 31-MAY-10 To 31-OCT-10 .

Ref:(1) This Office Tender Enquiry No. MMP/IT-3/RC-D1020000/0910/83  
Opened on 16-MAR-10.  
(2) Your Quotation No. Acer?MMP/Mar2010 And Dated  
15-MAR-10.

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 available from dgs&d sales counter on payment of Rs. 50/- .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

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Yours Faithfully,

( )

Assistant Director(S)/Section Officer/Dy.Director  
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.

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

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**SCHEDULE - A**

For more details contact:

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1. Rate Contract No.: -MMP/IT-3/RC-D1020000/0910/83/01257/1648

Dated 31-MAY-10 For the Supply of Multimedia Projector

2. Advance Rate Contract No.: - Nil

Dated

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

ACER INDIA (PVT) LIMITED

B-28, Ground Floor, Okhla Industrial Area Phase -I

New Delhi

DELHI - 110020

Tel. No. - 40568000

Fax - 40568030

Email - sanjay\_dewan@acer.co.in

(b) Name and Full Address of Manufacturer :-

As per Schedule B

(c) Brand: ACER

4. Validity of Rate Contract: 31-MAY-10 To 31-OCT-10

5. Description of Item, Specification, Unit, Rate

Item Model No.	Store Description	Unit	Rate (in Rs.)
14 ACER P1166	Multi-media Projector	Resolution: 800 x 600 SVGA, ANSI Lumen: 2000 NOS.	26500 Rs. TWENTY-SIX THOUSAND FIVE HUNDRED ONLY

6-Terms of Delivery:

Free delivery at consignee premises including installation.

7-Excise Duty:

Not Applicable

8-Sales Tax:

CST/VAT @12.5%

9-Delivery Period:

10 to 12 weeks from the date of receipt of confirmed order.

10(a)-Annual Turnover:

Without Limit

(b)-Monetary Limit:

Without any limit

11-Payment Terms:

As per Schedule B

12-Slab Discount Clause: Nil  
13-Prices: FIXED  
14-Quantity Offered: N.A.  
15-Minimum Quantity in Single Supply Order: Without Limit  
16-Minimum order Value in Single Supply Order: Without Limit  
17-Status of the RC Holding Firm: LSI

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18-Paying Authority: The Chief Controller of Accounts, Deptt. of Supply  
16A, AKBAR ROAD  
New Delhi -110011

19-Inspection Authority: For Civil  
ADG(QA),Jeevan Tara Building,Parliament Street  
New Delhi

20-Quality Assurance Officer: For Civil  
Office of the Director Quality Assurance,  
4th floor, Shastri Bhavan,  
26, Haddows Road,  
Chennai  
TAMIL NADU -600006

21-Place where the Stores are to be Tendered  
for Inspection: M/s. Acer India Pvt. Ltd. RS No. 132/4, Ramanathapuram  
Village, Villianur, Commune, Pondicherry- 605502.premises

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](http://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

( )  
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

RC Specification:A. Name & Address of Manufacturer : ACER ASIA PACIFICSDN BHD, LEVL 24, MENERA AMBSNK, KL MY, 8 JALAN YAP KWAN, SENG 50450 KUALA LUMPUR, MALAYSIA & CORETRNIC CORP.,CHINA

B. Country of Origin: CHINA / MALAYSIA

### C. SPECIAL CONDITIONS OF CONTRACT

1. Terms of delivery: The stores will be delivered by the firms on free delivery at consignee's end. Free delivery at site including freight & forwarding. Insurance as per DGS&D Standard Transit Insurance Clause. For Andaman & Nicobar & Lakshdweep, the firm will bear the delivery charges upto the main land port i.e. Kolkata / Chennai / Mumbai, whichever is nearest to the destination. After this, the delivery charges from main land port to the consignee destination in the above mentioned location, to be borne by the consignee.

2. PAYMENT TERMS: 95% payment will be made against proof of Inspection & provisional. receipt certificate issued by the consignee for the receipt of the material. The balance 5% of the contract price of the stores will be paid after demonstration and final acceptance of stores by the consignee and on submission of bank guarantee for the balance 5% of contract value valid for 2 months beyond the guarantee/warranty period. Indemnifying the purchaser against all losses incurred during the guarantee/warranty period stipulated in the contract.

3. Demonstration of the machines will be carried out free of cost at consignee's place.

4. Machines shall conform to Guarantee/Warranty clause for a period of 12 months from the date of Commissioning/demonstration, as per Clause18 of form No. DGS&D- 1001.

5. Other terms and conditions are as per Form DGS&D-1001.

6. No assistance for import of finished product or raw material will be provided.

7. Tenderers shall have all the testing facilities and instruments to check and verify the functional parameters of the specifications.

8. For imported machines offered for inspection, the documentation requirements at the time of inspection of bulk supplies for each and every lot are as under:-

- a) Bill of Lading;
- b) Packing list;
- c) Certificate of origin;
- d) Serial numbers along with model numbers pertaining / corresponding to imports covered by above documents;
- e) A certificate from the manufacturer that the machines with particular model Nos. and Serial Nos. were exported by them to Indian supplier and that the same were tested in their factory and found to be satisfactory as per the standard specification of the product.

f) Guarantee/Warranty Certificate for the machine by R/C holding firms

9. Octroi Duty and Local Taxes:

Normally materials to be supplied to Government 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 the buyers account in the absence of

relevant exemption certificate.

10. Road permit, Waybill to be provided by DDO along with the order.

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 indentor/consignee for providing Road permit/ Waybill within 10 days of the receipt of the Supply order. The supplier shall furnish all the necessary information and documents in this regard to Indentor/consignee.

(b) On receipt of the above request from the supplier, the indentor/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 indentor/consignee.

(d) All cases of abnormal delay in providing requisite details/ documents by the supplier or issue of Road permit/Way bill by indentor/consignee, the same shall be reported by them 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: -
- 10 Jammu & Kashmir: -
- 11 Jharkhand: Form 28B
- 12 Karnataka: -
- 13 Kerala: -
- 14 Madhya Pradesh: Form 88/89
- 15 Maharashtra: -
- 16 Manipur: Form 27
- 17 Meghalaya: Form 14
- 18 Mizoram: Form 33
- 19 Nagaland : Form 16
- 20 Orissa: Form 28
- 21 Punjab: -
- 22 Rajashthan: Form 18
- 23 Sikkam: Form 20
- 24 Tamil Nadu: -
- 25 Tripura: Form 26
- 26 Uttar Pradesh: Form 32
- 27 Uttaranchal: Form 17
- 28 West Bengal: Form 50

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11. Signing of Inspection Notes issued by Quality Assurance Wing of DGS&D:

' Instructions to Indentors/Consignees':

Advance Payment Copy of Inspection Note for claiming 95% 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 inspection and rejection under the general condition to contact. It is issued on said to contain basis the Contractor remaining responsible for proving the total quantities actually delivered. Consignee mentioned in the Inspection Notes should sign (in INK) & put his official rubber stamp on the Advance Payment Copy of Inspection Notes 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 Inspection Note for claiming 5% balance payment.

(i) Within 90 days from the date of material received, Consignee mentioned in the Inspection Notes should sign (in INK) & put his official rubber stamp on the Balance & Accounts office copy of Inspection Notes and should fill up the columns of Receipt Voucher No.

(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 2 and 5 of I/Notes 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 2 and 5 of I/Notes and the same shall be considered by DGS&D on merits of each case.

For supplies made from the pre-inspected stocks, Inspection Notes are to be obtained from the Quality Assurance Officer in each case. Despatches / Deliveries of pre-inspected stocks which are duly accepted need not, however, await release of Inspection Notes and may be effected before Inspection Notes are actually released.

All other terms and conditions shall be as per standard conditions contained in Form DGS&D-1001.

12. Pre-Inspected Lot: In order to meet the urgent requirement of indenter you may maintain pre-inspected stock of Multi Media Projectors for ready dispatch against individual supply orders. In case, however, you fail to dispatch the stores within 60 days of inspection, the same shall have to be pre-inspected before dispatch.

13. Pre-Inspected Stocks of 500 Nos. Multimedia Projectors in assorted Models covered under rate contract listed in imported stores and indigenous stores would be maintained by firm for urgent requirements of various Govt. Departments.

For supplies made from the pre-inspected stocks inspection Note are to be obtained from the Inspecting Officer in each case. Despatches/deliveries of pre-inspected stocks which are duly accepted need not however, await release of I/Notes are actually released.

#### 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.

(Shashi K. Sud )

ASSISTANT DIRECTOR (S)

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

For more details contact:

**LR Infotech Systems**

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0471-3014602 / 3014604

**Mob: 94472 66600**

**SCHEDULE - C****List of Parallel Rate Contract For Multimedia Projector**

<b>Sr.No.</b>	<b>NAME &amp; FULL ADDRESS OF FIRM</b>	<b>R/C NO &amp; DATE</b>
1	GLOBUS INFOCOM LTD. C-1/2, Safdarjung Development Area, New Delhi- 16  Mr. Pradeep Negi- 9711210633 E-mail: sales@globusinfocom.com Fax: 011-26964810  DELHI 110016	MMP/IT-3/RC- D1020000/0910/83/02463/1636 04-MAY-10
2	GODREJ & BOYCEE MFG. CO. LTD., Prima Division, Plant-14P, 1st Floor, Pirojshanagar, Vikhroli(E) Mumbai MAHARASHTRA 400079	MMP/IT-3/RC- D1020000/0910/83/00754/1637 04-MAY-10
3	E-4,5,6 Sector-11 noida- 201301 Mr. Kapil Sharma-9810206073, e-mail- kapil@hcl.in  UTTAR PRADESH 201301	MMP/IT-3/RC- D1020000/0910/83/OA179/1634 04-MAY-10
4	Flat No. 101-104, First Floor, Hemkunt Chambers, 89, Nehru Place New Delhi DELHI 110019	MMP/IT-3/RC- D1020000/0910/83/OA034/1638 04-MAY-10
5	THIRD WAVE EXIM I-7, Birju Apartments, Opp. Azad Society, Ambawadi, Ahmedabad  Mob: 09811308898 E-mail: shashi@thirdwaveonline.com  GUJARAT 380015	MMP/IT-3/RC- D1020000/0910/83/F0424/1639 04-MAY-10
6	214-221, ANSAL TOWER, 38, NEHRU PLACE, NEW DELHI NEW DELHI DELHI 110019	MMP/IT-3/RC- D1020000/0910/83/F0411/1646 31-MAY-10
7	ACER INDIA (PVT) LIMITED	MMP/IT-3/RC- D1020000/0910/83/01257/1648

7	B-28, Ground Floor, Okhla Industrial Area Phase -I New Delhi DELHI                      110020	MMP/IT-3/RC- D1020000/0910/83/01257/1648 31-MAY-10
8	VSM ENTERPRISES PVT. LTD. Gali No 21 Plot No 1381, Hari Singh Nalwa Street, Karol BaghAshwani Narang 9810161148 New Delhi DELHI                      110005	MMP/IT-3/RC- D1020000/0910/83/OA115/1635 04-MAY-10
9	GENIUS PRESENTATION B8/302 vishwakarma industrial area, New Delhi-44  Harsh: 09810294165 / Mohit: 09540027001/02 Fax: 011-26361435 E-mail: harsh@geniuspresentation.com / sales@geniuspresentation.com  DELHI                      110019	MMP/IT-3/RC- D1020000/0910/83/F0458/1643 18-MAY-10
10	a-31, mohan co-op new delhi DELHI                      110044	MMP/IT-3/RC- D1020000/0910/83/02613/1642 18-MAY-10
11	PAN INTELLECOM LTD 313 -315, Som Datt Chambers - II, 9, Bhikaiji Cama Place New Delhi DELHI                      110066	MMP/IT-3/RC- D1020000/0910/83/F0472/1641 18-MAY-10
12	TRACK INFOVISION PRIVATE LIMITED Plot No.: D - 1/54, 2nd Floor, Rama Road Industrial Area, Moti Nagar, Delhi Raman Kanwar- Mob :09810196375, Ajay Saini: Mob: 9810161282 Fax : 011- 42484051/ Tele: 011-45099000(100 Lines)  DELHI                      110015	MMP/IT-3/RC- D1020000/0910/83/F0447/1647 31-MAY-10
13	AVECO ELECTRONICS PVT.LTD., 4th Floor,SURYA TOWERS,104 ,S.P. ROAD,SECUNDERABAD HYDERABAD ANDHRA PRADESH 500003	MMP/IT-3/RC- D1020000/0910/83/OA092/1640 18-MAY-10
14	TECHMART SYSTEMS CO. PVT. LTD. 20-A, Shivaji Marg New Delhi	MMP/IT-3/RC- D1020000/0910/83/F0594/1651 07-JUL-10

14

DELHI

110015

MMP/IT-3/RC-  
D1020000/0910/83/F0594/1651  
07-JUL-10

**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>.

For more details contact:

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ANNEXURE

For more details contact:  
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Multi-media Projector

(A) General Specifications

- 1. Range of Throw Ratio (ratio of distance/Image diagonal) : Tenderers to indicate the range from minimum zoom to maximum zoom.
- 2. Zoom : Manual or power, min 14% and 10% in case of SVGA projector. (Actual value to be indicated)
- 3. Computer compatibility : SVGA, XGA, and SXGA (However SXGA+ will be applicable in case of SXVA+ projector)
- 4. Video compatibility : PAL, SECAM, NTSC, HDTV and DTV ( DTV not applicable in case of SVGA projector.)
- 5. Projection lamp : The tenderer should furnish Part No., Voltage and expected life of lamp.
- 6. Lamp Life (a) in normal mode : 2000 hours minimum.  
(b) in eco mode : It corresponds to lower illumination, hence it shall not be considered
- 7. Lamp hour counter : To be built-in integral with the system
- 8. Brightness : As applicable for each item.
- 9. Audio system : 1.0 W RMS min. with built in speaker for projectors upto 2500 ANSI lumens. For projectors of higher than 2500 ANSI lumens, the provision of in-built speaker will not be necessary.
- 10. Remote Control : Full function remote control unit for PC and projector functions, shall be standard features for all items.
- 11. Terminal Ports with connectors : DVI and/or Analog RGB In, RGB Out or external RGB Multiplexer, Audio IN
- 12. Power consumption : To be indicated by tenderers for each item
- 13. Contrast ratio : To be indicated by tenderers for each item
- 14. Power supply : 210V-240V, 50Hz
- 15. Operating conditions : 10 Degree to 35 Degree C, 80 % RH
- 16. Wireless connectivity between, PC and Projector, Storage media Port and wireless LAN connectivity (where specified) : Through integrated Port in the Projector only.
- 17. Cables, connectors and other : The Projector shall include power cable and VGA cable (1.5 m), for connecting to PC. For all other cables including power cable and VGA cable, (if the length required is more than 1.5 m) shall be paid extra directly by the user.
- 18. Technology : LCD or DLP ( To be declared by the tenderers).

B) Desktop Multimedia Projector Integrated with PC.

Projector:

- 1. Range of Throw Ratio (ratio of distance/Image diagonal) : Tenderers to indicate the range from minimum zoom to maximum zoom.

2. Zoom : Manual or power, min 14% (Actual value to be indicated)
3. Computer compatibility : SVGA,XGA
4. projection Resolution : True XGA
5. Video compatibility : PAL, SECAM, NTSC, HDTV and DTV
6. Projection lamp : The tenderer should furnish Part No., Voltage and expected life of lamp.
7. Lamp Life (a) in normal mode : 2000 hours minimum.  
(b) in eco mode : It corresponds to lower illumination, hence it shall not be considered
8. Lamp hour counter : To be built-in integral with the system
9. Brightness : As applicable for each item.
10. Audio system : 1.0 W RMS min. with built in speaker .
11. Remote Control : Full function remote control unit for PC and projector functions, shall be standard features for all items.
12. Terminal Ports with connectors : DVI and/or Analog RGB In, RGB Out or external RGB Multiplexer, Audio IN
13. Power consumption : To be indicated by tenderers for each item
14. Contrast ratio : To be indicated by tenderers for each item
15. Power supply : 210V-240V,50Hz
16. Operating conditions : 10 Degree to 35Degree C, 80 % RH
17. Cables, connectors and other : The Projector shall include power cable and VGA cable (1.5 m), for connecting to PC .For all other cables including power cable and VGA cable,(if the length required is more than 1.5 m) shall be paid extra directly by the user.
18. Weight : Less than 8Kgs.

Computer Specification:

- a) CPU : Intel Core 2 DUO 4300,1.8 GHz 2 MB L2 cache  
and 800 MHz FSB.
- b) Mother Board : Intel Q965/n Vidia chipset 7025 or better  
on OEM Mother Board.
- c) Bus Bar architecture : Integrated Graphics,2 PCI,1PCI Express x 1  
and 1 PCI Express x16.
- d) Memory : 1GB 533 MHz DDR2 RAM with minimum 4 total  
DIMM slots.
- e) Hard Disk Drive : 160 GB 7200 rpm serial ATA HDD.
- f) Key board : 104 Keys.
- g) Mouse : Optical.
- h) Ports : 4 USB Ports (with at least 2 in front),  
1 serial Port, 1Parallel Port,1 PS/2  
Keyboard and 1PS/2 Mouse Port, audio  
ports for Micro Phone and Head phone.
- i) Net Working Facility : 10/100/1000 on board integrated Net work  
Port with remote booting facility, remote  
system installation, and remote wake up.
- j) Operating System : Window Vista Business preloaded with Media  
and Documentation and certificate of  
Authenticity.
- k) OS Certification : Win Logo Vista Business OS and Linux

Certifications.

l) Pre-loaded Software  
Heal

: Norton, McAfee, Etrust, Microsoft, Quick

Antivirus(Latest Version)with 60 Days

License.

m) Inter-active Software  
education

: Suitable interactive and suitable

software to be supplied free of

cost(Optional).

(C) FUNCTIONAL TESTING

Each projector/prolector with PC shall be tested for functional tests as detailed hereunder during inspection:-

1. Brightness ANSI Lumens (+/-20%) tolerance on declared value as per ISO/IEC-21118.

(a) Ambient Light during measurement shall be 5 LUX or less and shall be subtracted from measured value.

(b) Shall be measured at maximum optical zoom position after stabilising the projector on 1.78 M diagonal screen.

2. Uniformity of light output (+/- 20% as per ISO/IEC-21118). To be determined by 9 point method comparing light output at Point 1+ Point 3 + Point 7 + Point 9 with 4 x Point 5 on 1.78 M diagonal screen.

3. Contrast ratio (+/- 20% tolerance on declared value as per ISO/IEC-21118). Shall be measured on 1.78 M diagonal screen comparing the average light output over points from 100% white to 0% black computer generated analog signal 0.7 V +/- 1% at the end of 75 ohm (+/- 1%) terminating resistance. ( For further details please refer to JIS:X6911).

4. Throw distance for 2M diagonal image at min. and max. Zoom.

5. Keystone correction (Yes/No)

6. All testing to be carried out on 240 V, 50 Hz AC supply.

7. The testing will be done as per product specifications to be declared by supplier and these will be carried out on each model of projector.

(D) ENVIRONMENTAL TESTING

At least one model of projector/prolector with PC from a series of projector of same design features from a manufacturer shall be subjected to environmental tests sequence as detailed hereunder at a government laboratory.

Annexure 'A' should be listed on the website of independent software vendor (ISV).

(a) Dry Heat Test : For 16 hrs. at a temp. of 45 degree C in accordance with IS:9000/part-3/section-5/1977.

(b) Cold Test : For 4 hrs. at a temp. of 0 degree C in accordance with IS:9000/part-2/section-4/1977.

(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-1/1981.

The multimedia projector shall be checked before and after the above environmental tests sequence for satisfactory functional requirements after a

recovery period of 1 to 2 hours.

Uniformity of light output shall be measured before and after 2 hours of completing the above environmental sequence and the projector will not show any deterioration (an error of +/-2% may be treated as repeatability tolerance).

The projectors can be accepted on the basis of UL or CE certificate alongwith a certificate from OEM confirming compliance of the quoted models to the environmental conditions as per the clause (E) and functional parameters as per the clause (D) above.

The OEM certificate should be from the manufacturer on their letter-head duly stamped by them and counter-signed by the Indian supplier.

#### Multi-media Projector

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Specification :As per General Technical Requirements:-

For more details contact:

**LR Infotech Systems**

0471-2572600 / 2572601

0471-3014602 / 3014604

**Mob: 94472 66600**

**LIST OF ALL AMENDMENTS**

**For RC No. MMP/IT-3/RC-D1020000/0910/83/01257/1648**

*NOTE: No Amendments issued till date 30-OCT-10*

For more details contact:

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