Sub: - Motor Vehicles Department- FAST Project – Purchase of additional ICT Equipments – Authorisation to all RTOs – Orders Issued.

Read: - 1. G.O. (Rt) No. 247/2010/Trans dated. 24-06-2010
        2. G.O (Rt) No. 5580/2010/Fin Dated. 17-07-2010
        3. Decisions of the Technical Support Group Meeting held on
           15-02-2013, 05-07-2013 & 24-08-2013
        4. G.O (P) No. 3/2013/SPD Dated. 21-06-2013

Order No. M-IT4/ 28901/TC/2013 Dated. 07 -12-2013

      Motor Vehicles Department has been providing computerised services to the citizen under the **FAST** Project (**F**ully **A**utomated **S**ervices of **T**ransport Department). The Software to deliver the computerized services was developed and managed by NIC, kerala State Unit. In order to ensure uninterrupted delivery of computerized services like issuance of License, Registration Certificate, Permit etc , service provider for the Facility Management service is also engaged. At present the contract for the Facility Management Services is entrusted to **Centre for Development of Imaging Technology (C-DIT)**, wherein they have to maintain all the ICT equipments, provide SA/ASA/ House Keeping Staff, supply stationery, consumables, House Keeping etc. All the expenditure for the project is being met from the service charges collected from the applicants for each service in addition to the fees.

      Although the objective of this project is to improve the quality of service to the citizen, it is noticed that the offices are not taking actions to ensure the services of service provider are getting properly, equipments are working, unserviceable equipments are replaced, stock of stationery and consumables are sufficient, renovating the office infrastructure to improve the service, keeping the office premises clean etc.

      It is the collective responsibility of the Department staff members to ensure service provider is giving Facility Management Services to deliver the service without any interruption caused due to non working of equipments, short supply of stationery (Pre-printed License / Registration Certificate)or

consumables (Toners, cartridges, lamination pouches etc), non working of software etc.

In these circumstances, RTOs are directed to follow the **guide lines** to procure additional Equipments to improve delivery of services.

a. Take urgent steps to repair the equipments that are not working through the Service Provider (C-DIT).

b. Take steps to procure Equipments reported by the Service provider as unserviceable following the Guide Lines in Government order Vide paper 1st read above.

c. Take steps to procure additional Equipments required for the FAST Project excluding that for the newly sanctioned post.

d. Ensure additional equipments purchased are in proportion to the staff strength and to increase the efficiency of **C**omputer **A**ided **L**earners **L**icensing **S**ystem (**CALLS**).

e. Sub RT Offices / Check Post shall forward their requirements to the concerned RT Offices. The RTOs shall examine the need and take appropriate action for purchasing the same.

f. Forward the details of the purchase to the internal audit wing of the Transport Commissioner.

g. Ensure Equipments under warranty Period are repaired on time and not replaced.

h. Ensure Warranty Certificate from the supplier for the newly procured equipment in the following format. (Copy of the warranty certificate purchased shall be forwarded to Head Office).

Warranty Certificate						
Purchase Order No. & Date						
Invoice No. & Date						
Service Help Desk No.						
Sl. No.	Equipment make & Specification	Model No.	Serial No.	Warranty Start Date	Warranty End Date	Name of Office

I. Replace the unserviceable equipments strictly according to the instruction in the Government Order vide Paper 1st read above.

j. Details of equipments purchased shall be recorded in the stock register and counter signed by the Head of the Office, to be produced for inspection of internal audit.

k. Ensure excess additional equipments are not purchased.

L. Additional equipments for the newly sanctioned posts shall be procured by the Department after getting administrative sanction from the Government.

M. Take steps to entrust Government agencies to setup infrastructure for the working of equipments purchased. (Civil work, Electrical work, Structured Network cabling etc).

N. All the Purchases under FAST Project shall be made in accordance with the rules in the Store Purchase Manual 2013, vide 4th paper read above.

Hence, order is hereby issued authorizing **R**egional **T**ransport **O**fficers to procure additional ICT equipments following the technical specification approved by the Technical Support Group vide paper 3rd read above. The expenditure for the procurement shall be met from the service charges allotted to the RTOs vide paper 2nd read above.

Sd/-
Transport Commissioner

Copy to: 1. All DTCs, RTOs, JRTOs

2. C.A to TC, Sr. A.O, Sr. F.O, ATC, Accounts Officer for information.

Approved for Issue

2.12.13

Senior Superintendent

7-12-13

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Technical Specifications of ICT Equipments:

Server:

Parameter	Specification
Processor	**Single 6 Core Processor Intel Xeon E5 - 2630 @ 2.3 Ghz**
L3 Cache	**15 MB**
Memory	8 GB memory (2 * 4GB) ECC DDR3 1333MHz (Expandable up to 32 GB) LP RDIMM
HDD	5* 300GB 2.5" SFF 10K 6Gbps HS SAS HDD
Graphics Controller:	16MB DDR2-SDRAM
Optical Drive	DVD-RW
Form Factor	1 U / 2 U |Rack Mountable
Raid Controller	Integrated 6Gbps SAS hardware RAID 0, 1, 5 and 10
Network Interface	4 X 1 Gbps Ethernet ports
Remote Management	a. Ability to remotely configure machines completely via command scripts with advance settings utility. b. Remote Management should support IPV4 & IPV6
Power supply	Redundant hot swap power supplies
Failure Alerting Mechanism	Server should be able to alert impending failures on maximum number of components.
Operating System Support	Microsoft Windows Server 2008 (Standard, Enterprise and Data Center Editions 64-bit) & Microsoft Windows Server 2012 (Standard – 64 bit)
Warranty	3 Year comprehensive onsite 24 X 7 warranty & support for hardware, operating system and all associated software for the system. The OEM shall give necessary undertaking.
	Brand offered should be in leaders quadrant of Gartner Magic Quadrant for Rack Servers

Storage Device

Parameter	Specification
Capacity	2TB
Raid Level	RAID 1, JBOD
Connectivity	Ethernet 10Base-T/100Base-TX/1000Base-T
Data Transfer Rate	300 MBps
Processor	CPU at 1GHz
Memory	256 MB DRAM

Server Rack

Parameter	Specification
Server Rack	SERVER RACK (42U l000mmdepth) **Rack 19" 42U**/600W /10000D with Top,Bottom side panel with Cable Entry Cutouts Front glass door 42Ux600W with lock Rear MS door 42Ux600W with lock Heavy duty shelf 700mmW Key Board tray + Slides Cable manager 1U (02nos) Cooling fan 90CFM (04 nos) Vertical Power box (10x *SA*) *Vertical Cable channel 50mm wide*

KVM Switch:

Parameter	Specification
KVM Switch	8-Port with Combo PS2/USB
Form Factor	Rack mountable in 19" system rack (1U)
Selection Method	Push Button and Hot-Key (PS/2 Keyboard) or On-Screen-Display (OSD)
Number of Computers Controlled	8
Keyboard	1 x 6 pin mini-DIN female
Mouse	1 x 6 pin mini-DIN female
Video	1 x HDB-15 female
Operating Systems Supported	Windows 2008/2012
Certifications	FCC, CE, C-Tick, IC, CSA
Cable Accessories to connect the servers	Min 3 Nos

Note book Computer

Parameter	**Specification**
Processor	3rd Generation Intel Core **i3 processor** (Latest)
L3 Cache	3 MB
Chipset & Motherboard	Intel 6 series or higher chipset on OEM Mother board
Memory	**4GB DDR3**-1333 RAM expandable upto 8 GB.

HDD	**500 GB**, 5400 rpm SATA
Display	**14.0"**(35.6cm) LED Backlit Display
Resolution	1280x768 WXGA or higher
Video controller	Integrated Intel HD Graphics
Wireless Connectivity	Integrated wireless Intel 802.11 b/g/n, Integrated Blue tooth.
Optical Drive	Integrated DVD Writer **8X or higher** and Integrated stereo Speaker.
Key Board	Key Board with Touch Pad
Expansion Port	USB 3.0, 10/100/1000 Ethernet card, RGB or S-Video or VGA, HDMI, 3-in-one card reader, Microphone, stereo headphone & other standard features.
Operating system	**Microsoft Windows 7 Professional 64 bit**
Power Supply	230V, 50 Hz AC Supply with rechargeable Battery Pack Comprising of LI-ION battery Suitable for approx. 4hrs.operation complete.
Carry case	To be provided
Weight	Less than 2.8Kg (with DVD Writer)

Desktop Computer:

Parameter	Specification
Processor	Intel Core i5-2400, 3.1 GHz, 6 MB Cache
L3 Cache	6 MB
Chipset	Intel Q 67 or better on OEM Motherboard
Bus Architecture :	4 PCI (PCI/ PCI Express)
Memory	**4 GB 1066 MHz DDR3 RAM** with 8 GB Expandability
HDD	320 GB 7200 rpm Serial ATA HDD or higher
Monitor	47 cm or larger(18.5 inch or larger) TFT/LED Digital Colour Monitor TCO-05 certified.
Optical Drive	8X DVD ROM Drive
Networking	10/100/1000 on board integrated Network Port with remote booting facility remote system installation, remote wake up, out of band management using any standard management software.

Interfaces	1 parallel port (Integrated / PCI adapter card)
OS Compatibility	Latest Microsoft Windows & Linux operating systems
Operating System	Windows 7 professional
Warranty	3 Year comprehensive on site 24 X 7 warranty & support for hardware, operating system and all associated software for the system. The OEM shall give necessary undertaking.
OS Certifications :	Windows 7 OS and Linux certification.

Network Switch:

Parameter	Specification
Port	24
Interface	10/100Mbps + 2 Combo 1000Base-T/SFP + 2 SFP ports **L2 Managed**
Certifications	MEF 21, IPv6 Ready
L2 Features	Asymmetric VLAN/ISM VLAN Double VLAN (Q-in-Q) Spanning Tree
Security	Port Security/SSH/SSL Access Control List (ACL)
Traffic Monitoring & Bandwidth Control	Port Mirroring/Bandwidth Control Broadcast/Multicast/Unicast Storm Control
Management	SNMP , Network Load Balancing (NLB)

UPS (Uninterruptible Power Supply)

Parameter	Specification
Output Power Capacity	6000 VA (6 KVA)
Form factor	4 U
Battery bank	UPS shall be supplied with SMF VRLA battery only
Back-up time	30 Minutes
Waveform Type	Sine wave

Parameter	Specification
SNMP Card	
Protocols	HTTP, HTTPS, SMTP, SNMP, SSL, TCP/IP, Telnet, WAP
Network Interface Connections	RJ-45 10/100 Base-T
Regulatory Approvals	BSMI, C-tick, CE, EN 55022 Class A, EN 55024, FCC Part 15 Class A, VCCI

Parameter	Specification
UPS Rail Kit	19" Rail Kit for 6 KVA UPS with Rack Mounting brackets & Screws

Laser Printer

Parameter	Specification
Print speed	40ppm
Print resolution	600 x 600 dpi
Paper Size:	A4
Duplex printing (printing on both sides of paper)	Automatic (standard)
Connectivity	Hi-Speed USB 2.0, HP Jetdirect 10/100/1000T Ethernet embedded print server

Inkjet Printer

Parameter	Specification
Print speed (black)	28 ppm
Print speed (color)	24 ppm
Resolution	4800 X 1200 dpi
Paper Size	A4
Duplex printing	Automatic (standard)
Connectivity	Hi-Speed USB 2.0; Built-in wired Ethernet 10/100Base-TX (RJ45) networking; Built-in wireless 802.11b/g/n networking

Dot Matrix Printer (80 Col):

Parameter	Specification
Number Of Pins	24 Pin
Number Of Columns	80 Col
Print Speed High Speed Draft 10CPI(CPS)	300
Interfaces Standard	Bi-directional parallel, USB

Dot Matrix Printer (136 Col):

Parameter	Specification
Number Of Pins	24
Number Of Columns	136
Print Speed (Draft 12 cpi)	300
Interfaces Standard	Bi-directional parallel, USB

Biometric Finger Print Scanner

Parameter	Specification
Biometric Finger Print Scanner	Fingkey Hamster III
Interface	USB 2.0 (Full Speed / High Speed Support)
Fingerprint Sensor	OPP06 (Optical)
Resolution	500 DPI
OS	Windows 7
Certification	MIC, CE, FCC, WHQL

Document Scanner

Parameter	Specification
Type	Desktop Colour Flatbed Scanner
Resolution	1200 X 1200 dpi
Flat bed size	A4
Interface	Hi-Speed USB
Scan speed in preview mode	<10 secs

Touch Screen Kiosk

Parameter	Specification
Processor	Pentium M 745
Type	Free Standing type
Monitor	LCD 19"

Barcode Scanner

Parameter	Specification
Type	Linear Image Scanner
Form Factor	Handheld
Scanner Type	CCD
Interf aces	USB
Read Rate (Max	270 reads/sec

Multifunction Printer

Parameter	Specification
Functions	Print, copy, scan, fax
Print speed	25ppm
Print quality black (best)	Up to 600 x 600 x 2 dpi
Connectivity, standard	Hi-Speed USB 2.0 port, 10/100 Ethernet network port
Duplex printing	Automatic (standard)
Scanner type	Flatbed, Automatic Document Feeder (ADF)
Scan resolution (Optical)	Up to 1200 dpi
Scan speed (normal, A4)	Up to 15 ppm (b&w, color)
Fax transmission speed	3 sec per page

Laminator:

Parameter	Specification
Laminating width	Desktop compact A3 Size
Laminating thickness	2mm
Pouch Thickness	75mic to 250 mic
Laminating speed	700mm/ minute
Lamination temperature	0-250degree

Diesel Generator:

Parameter	Specification
Power Rating (KVA)	**20**
No of Phases	3
Fuel Tank Capacity (Litres)	250
Fuels consumption (Litre/hr)	3.4
Manual mode controls	DG Start & Stop
Indication Lamps	Mains On, DG On, Load on Mains, Load on DG
Control	Key switch for Start/Stop
Fault Indication (LED Type on Engine safety Unit)	Low Oil pressure, Battery Charger Failure, High Engine Temperature, Low fuel level
Coolant Capacity (Litres)	6
Alternator Model	4 Pole
Alternator Type	Brushless

Air Conditioner

Parameter	Specification
Cooling Capacity	**1.5 Ton**
Type of Split	Wall Mounted
BEE Star Rating	**5**
Compressor Type	Rotary
Refrigerant Gas	R-22
Remote Control	Yes
Timers	Yes
Auto Restart	Yes
Temperature Control	Digital

EPABX

Parameter	Specification
Extension	12
Expandable ports	24
Operators Console	1
Intercom Phone	12

Postal Franking Machine

Parameter	Specification
	Electronic Digital Postal Franking Machine
DUTY CYCLE	UPPER LOW ENDED,Min
MIN.FRANKING SPEED, ARTICLES PER HOUR	2500
FEEDING SYSTEM	MANUAL

Currency Counting Machine with fake note detector:

Parameter	Specification
Desktop model	Speed 100 Notes in 4 seconds
Clamber capacity	150 Notes
Power consumption	500 w
Size of notes countable	90-178 mm X 60-130 mm

Fire Extinguisher:

Parameter	Specification
Fire Extinguisher	Applicable on Class A, B, C and electrically started fire.
Capacity	2 kg
Pressuring Agent	Dry Nitrogen
Extinguishing Agent	Mono Ammonium Powder (ABC) grade 90 (MAP-90)
Type	Pressurised Powder
	Pressure gauge
	Controllable discharge mechanism
	Minimum throwing distance of 2m for extinguishing agent
	ISI certification
Warranty	5 Years
	Any refill required for the unused cylinders during the warranty period shall be done free of cost.