

Corrigendum to RFP (for selection of System Integrator-Kerala CCTNS)

Ref. KP/SCRB/CCTNS/SI.RFP/08/11

Date: 27th July 2011

Volume – I. Functional and Technical Requirements & Annexure				
Sl. No	Section No.	Page No.	Original Statement in RFP	Amendment
1	No.5 of Annexure II - Existing Legacy System: Road Safety Management System	16	Backend: ORACLE/MySQL/MS SQL Operating System: LINUX/WINDOWS	Backend: PostgreSQL Operating System: Cross platform compatibility (can work in both Windows and Linux)
2	No.16 of Annexure II - Existing Legacy System - 16- Web Portal	21	Front end- HTML Backend- HTML	Front end: PHP Back end: MySQL
3	No.51 of sec 1.1 of Annexure XI - Functional Requirement Specs : Citizen interface / portal services	187	In-Portal's Front-end is completely template based and it's compatibility with various browsers depends on the design implementation. The Default theme supplied with In-Portal distribution is compatible with Microsoft IE version 6.0 and higher, and Firefox version 3.0 and higher, Chrome 4.0 and higher and other popular browsers.	In-Portal's Front-end is completely template based and it's compatibility with various browsers depends on the design implementation. The Default theme supplied with In-Portal distribution is compatible with Microsoft IE version 7.0 and higher, and Firefox version 3.0 and higher, Chrome 4.0 and higher and other popular browsers.
4	No.14 of ANNEXURE – XV: BILL OF MATERIALS	308	All licenses should be in the name of DGP, Kerala Police.	All licenses should be in the name of State Police Chief, Kerala Police.
5	No.14 of ANNEXURE – XVI: Specification for Electronic Pen	330	Warranty for Electronic Pen- 5 years onsite warranty.	Warranty for Electronic Pen: 5 years onsite comprehensive warranty.
6	No.14 of ANNEXURE – XV: Bill of Materials: Items 1,2&3	297, 298, 299, 310	Finger Print Reader & Live Scan Finger Print Device.	SI is NOT required to quote for Finger Print Reader & Live Scan Finger Print Device.
7	No.26/x of ANNEXURE – XVI: Specification for Keyboard mouse console drawer.	351	Warranty for Keyboard mouse console drawer: 5 years onsite warranty.	Warranty for Keyboard mouse console drawer: 5 years onsite comprehensive warranty.
8	No.26/xiv of ANNEXURE – XVI: Facilities provided by SDC for Kerala CCTNS, Item No. 6	355	The server load balancer, link load balancer etc. shall be provided by SDC.	The link load balancer shall be provided by SDC.
9	No.26/xiv of ANNEXURE – XVI: Facilities provided by SDC for Kerala CCTNS, Item No. 7	355	Monitoring room shall be provided by SDC for accommodating CCTNS administrators.	No Monitoring room will be provided in State Data Centre for CCTNS administrators.

				Provision for remote administration of CCTNS Servers deployed at data centre will be provided by SDC and SCRB will provide monitoring room for CCTNS administrators at Kerala Police Premises.												
10	ANNEXURE – XV: BILL OF MATERIALS	312	In the Consolidated BOM of DC and DR, the Qty of Database Software license & Server OS license are not included.	<table border="1"> <thead> <tr> <th>Item</th> <th>DC</th> <th>DR</th> <th>Tot.Qty</th> </tr> </thead> <tbody> <tr> <td>DB software</td> <td>1</td> <td>1</td> <td>2</td> </tr> <tr> <td>Server OS</td> <td>9</td> <td>7</td> <td>16</td> </tr> </tbody> </table>	Item	DC	DR	Tot.Qty	DB software	1	1	2	Server OS	9	7	16
Item	DC	DR	Tot.Qty													
DB software	1	1	2													
Server OS	9	7	16													
11	No.26/iv of ANNEXURE – XVI: Antivirus & Mail Server	343	6 Nos. of 600 GB, 3.5” 10 K RPM, 6 Gbps SAS HDD	6 Nos. of 600 GB, 2.5” 10 K RPM, 6Gbps SAS HDD.												
12	No.26/ vii of ANNEXURE - XVI: SAN Storage	347	Hard Disk Drive support: The storage shall support SAS/FC and SATA based disks simultaneously.	Hard Disk Drive support: The storage shall support SAS/FC and SATA/FATA based disks simultaneously.												
13	No 11 of ANNEXURE- XVI: Finger Print Reader	327	Operating System Support: Windows XP/Vista/7 or Linux	Operating System Support: Windows XP/Vista/7 and Linux												
14	No 13 of ANNEXURE- XVI: Digital Camera	328	Focus Length: 5.2-78 mm	Focal Length: 5-20 mm												
15	No.26/ viii of ANNEXURE - XVI: SAN Switch	348	Performance: 4 Gbps Fiber Channel.	Performance: 8 Gbps Fiber Channel.												
16	No 13 of ANNEXURE- XVI: Digital Camera	328	Shutter Speed: ¼-1/4000 sec	Shutter Speed: ¼-1/1600 sec												
17	No 4 of ANNEXURE- XVI: Duplex Laser Printer	317	Interface: USB 2.0 (High Speed) with USB Cable Parallel.	Interface: USB 2.0 (High Speed) with USB Cable.												
18	No 5 of ANNEXURE- XVI: Multi-Function Laser	319	Scan size flatbed (maximum): 216 x 297 mm (A4,A3) Scan size ADF (maximum): 216 x 356 mm (A4,A3)	Scan size flatbed (maximum): 216 x 297 mm (A4) Scan size ADF (maximum): 216 x 356 mm (Legal)												
19	No. 2 of ANNEXURE- XVI: High End Desktop System	315	Chipset: Intel® H55/H57 Chipset or AMD 880 G Chipset	Chipset: Intel® H61 Chipset/ AMD 880 G Chipset or better.												
20	No.26/i ANNEXURE- XVI: Database Server (Applicable for all servers)	340	Graphics: Integrated ATI ES1000 with 64MB embedded video SDRAM Max Resolution 1280 x 1024 x 16M color	Graphics: OEM graphics adapter with Max Resolution support for 1280X1024 @60 Hz. (for all servers)												
21	No.26/i ANNEXURE- XVI:	347	RAID Levels: Raid 0, 1, 1+0,	RAID Levels: RAID 0,1,1+0, Raid 5 and												

	SAN Storage		Raid 5 and Raid 6	Raid 6 or equivalent
22	No.26/i ANNEXURE- XVI: SAN Storage	347	Global Hot Spare: at least 2 Global hot spare drive shall be configured for every 50 drives. Shall support distributed Global hot Spare for offered Disk drives	Global Hot Spare: at least 2 Global hot spare drive shall be configured for every 50 drives. Shall support Global hot Spare for offered Disk drives
23	No.9 of ANNEXURE- XVI: 3kVA generator	324	Fuel Type: Petrol/ Diesel	Fuel Type: Petrol/ Diesel or Dual fuel in which one of the fuels should be Petrol/ Diesel.
24	No.9 of ANNEXURE- XVI: 3kVA generator	325	Compliance: Should be complied with CPCB norms.	Compliance: Should be complied with CPCB norms and CPCB certification should be provided
25	No.9 of ANNEXURE- XVI: 3kVA generator	325	Testing: Sample / Demo/ Random testing of generator at onsite	Testing: Sample / Demo/ Random testing of generator at onsite or at manufacturer's works as decided by the customer.
26	No.8 of ANNEXURE- XVI: 2kVA generator	324	Testing: Sample / Demo/ Random testing of generator at onsite	Testing: Sample / Demo/ Random testing of generator at onsite or at manufacturer's works as decided by the customer
27	No.8 of ANNEXURE- XVI: 2kVA generator	324	Compliance: Should be complied with CPCB norms.	Compliance: Should be complied with CPCB norms and CPCB certification should be provided
28	No. 8 of ANNEXURE- XVI: 2kVA generator	323	Fuel Type: Petrol/ Diesel/ Kerosene	Fuel Type: Petrol/ Kerosene/Diesel or Dual fuel in which one of the fuels should be Petrol/Kerosene/ Diesel.
29	No. 6 of ANNEXURE- XVI: 2kVA UPS	321	<i>Clarification.</i>	In-built input transformer isolation should be provided.
30	No. 6 of ANNEXURE- XVI: 2kVA UPS	321	SNMP support Simple Network Management Protocol (SNMP) should be provided	In-built SNMP support should be provided.
31	No. 6 of ANNEXURE- XVI: 2kVA UPS	321	Testing: Sample / Demo/ Random testing of UPS at onsite	Testing: Sample / Demo/ Random testing of UPS at onsite or at manufacturer's works as decided by the customer.
32	No. 4 of ANNEXURE- XVI: Duplex Laser Printer	317	Duty cycle 50000 pages(A4) per month	Duty cycle 8000 pages(A4) per month
33	No. 4 of ANNEXURE- XVI: Duplex Laser Printer	317	Memory : 64MB or higher	Memory: 32MB or higher
34	No. 5 of ANNEXURE- XVI: Multi Function Laser (Print,Scan,Copy)	319	Bit depth 24-bit, 64 bit	Bit depth: 24-bit / higher

35	No. 10 of ANNEXURE-XVI: 16 Port Network Switch	325	Operation Range: 0 - 45 °C	Operating Temperature Range: 0 - 40 °C
36	No. 4/Core Application Software (CAS)	33	The Core Application Software (CAS) is expected to be ready by the middle of 2011.	The Core Application Software (CAS) is expected to be ready by October 2011.
37	No. 8/Implementation and roll-out plan	142	Note: The expected readiness of the CAS (State) would be on August 2011.	Note: The expected readiness of the CAS (State) would be on October 2011.
38	No. 4.3/Development of CCTNS Core Application Software (CAS)	35	CAS (Centre) and CAS (State) will be developed at NCRB under the overall guidance and supervision of MHA, and a dedicated team from NCRB under the supervision of National Informatics Centre (NIC).	CAS (Centre) and CAS (State) will be developed at NCRB under the overall guidance and supervision of MHA. M/s Wipro is the SDA for developing the application.
39	No. 4.7/Role Of Software Development Agency (SDA) In Supporting CAS	45	The SDA of CCTNS selected by NCRB/MHA , will provide Services for CAS (State) for a period of three (3) years followed by two optional one-year periods from the date of successful completion of the CAS (State) Certification. The decision on the two optional one-year periods will be taken in entirety by NCRB.	The SDA of CCTNS selected by NCRB/MHA , will provide Services for CAS (State) for a period of three (3) years followed by two optional one-year periods from the date of successful completion of the CAS (State) Certification. The two optional one-year periods will not be the decision of NCRB but will rather be the decision of the State based on the satisfactory performance of the SI and State's requirements.
40	No. 4.7/Role Of Software Development Agency (SDA) In Supporting CAS	47	Helpdesk Support: SDA shall provide Helpdesk support to the State SIs during customization, deployment and stabilization phases with 8 contact hours (during normal business hours of 10 AM to 6 PM), 6 days (Monday through Saturday, both included).	Helpdesk Support: SDA shall provide Helpdesk support to the State's SI during customization, deployment and stabilization phases with 8 contact hours (during normal business hours of 10 AM to 6 PM), 6 days (Monday through Saturday, both included). Helpdesk during the implementation period would be the responsibility of SI. The helpdesk is expected to be positioned in the district headquarters to enable quick access for departmental personnel in the event of troubleshooting
41	No. 6/ Scope of Services	62	System Study and design	System study, design, application development and integration of the

				CCTNS Application Software based on Core Application Software (CAS) provided by NCRB
42	No. 6.3/ Configuration, Customization and Extension (New Modules) of CAS (State) and Integration with CAS (Center) and External Agencies	72	List of tasks to be carried out by SI as part of CAS (State) configuration, customization, extension and integration basis requirements of the state: <i>(additional points are added in this section. The points are provided in Amendment column)</i>	(additional points) 12. Conduct of System Study at selected locations. The list of locations for SI's system study is provided in section 6.2 13. Preparation of System Requirements Specifications (SRS) for additional functionalities and different integration points with CAS (Center) and External agencies. 14. Preparation of CAS (State) implementation document with respect to Configuration, Customization and extensions as per the requirement of state. 15. Preparation of the Solution Design 16. Solution Development and/or Customization and/or Configuration and/or Extension as required.
43	No. 6.15/ Support to User Acceptance Testing, Audit and Certification	123	Although SPMU would be responsible for audit and certification, Kerala Police reserves the right to go ahead to get system and application audited/ certified from a third party.	Although SPMU would be responsible for audit and certification, Kerala Police reserves the right to go ahead to get system and application audited/ certified from a third party. SI shall only provide requisite support and coordinate with the State/UT Department for Audit, User acceptance and Certification
44	No. 7/ Scope of services during post implementation phase	127	Scope of Services during Operations and Maintenance Phase <i>(additional point is added in this section. The points are provided in Amendment column)</i>	g. In case each District is declared as "Go-Live" at different instances during the project roll-out, the Operations and Maintenance Services for the District will start following the deployment and "Go-Live" of the solution in the District and SI shall continue to provide the Operations and Maintenance Support for a period of 5 years following the deployment and "Go-Live" of the solution in the last District.
45	No. 6.8/IT Infrastructure at the Data Centre and Disaster Recovery Centre	90	The SI is responsible for the below things at the DC/ DRC, not limiting to: <ul style="list-style-type: none"> Servers (web, application, database, backup, antivirus, firewall, EMS, email & messaging, etc) CAL license of EMS for Police department equipments 	The SI is responsible for the below things at the DC/ DRC, not limiting to: <ul style="list-style-type: none"> Servers (web, application, database, directory access server, antivirus, email & messaging, etc) Antivirus software SAN storage SAN switches Server load balancer All necessary software components

			<ul style="list-style-type: none"> • Antivirus software • SAN storage • SAN switches • Tape library • Router using separate IP scheme to terminate aggregated bandwidth from KSWAN and VPN over broadband network • Switch to connect the IT infrastructure of Kerala Police inside the SDC • All necessary software components including but not limited to Server Operating System, Backup Software, and SAN Storage Management Software. 	including but not limited to Server Operating System, and SAN Storage Management Software.
46	No. 14/Data Centre and DR centre Hardware and Software	307	Outsourced Manpower for Data Centres 2nos. x 3shifts for 4 yrs. : 288 man months	Outsourced Manpower for Data Centres 2nos. x 3shifts for 3 yrs: 216 man months

Volume – II. Commercial and Bidding Terms

Sl. No	Section No.	Page No.	Original Statement in RFP	Amendment
1	10.28. Format for Self - Declaration	97	I/We hereby declare that our Company/ Firm _is having unblemished past record and was not declared blacklisted or ineligible to participate for bidding during last five financial years by any State/Central Govt. or PSU	I/We hereby declare that our Company/ Firm _is having unblemished past record and was not declared blacklisted or ineligible to participate for bidding during last five financial years by any State/Central Govt.
2	9.3 Form 2: Detailed Component-wise Pricing	58	Infrastructure / Hardware	Windows 7 & MS Office – 800 Nos (Optional) Refer New Pricing summary Sheet.
3		62	<i>Addition</i>	Note: Bidder should quote for all items including optional items
4	9.2 Form 1-Pricing Summary	57	<i>Addition</i>	Operational Expense for 3 years (Newly included)

				Refer New Pricing summary Sheet.
5	9.3 Form 2- Detailed Component-wise Pricing	58-62	Detailed Component-wise Pricing Table Order	Order of the items in the table is modified. Operational Expenses Details and Make & Model for each Items is newly included Refer New Pricing summary Sheet.
6	9.3 Form 2- Detailed Component-wise Pricing	58-62	Details Components Pricing	A copy of commercial quote with all information except price/rate shall be furnished along with the Technical Bid
7	4.5.26	22	Mandatory Compliances/Documents	Declaration of Consent for sharing commercial bid documents of SI with NCRB / MHA, after Commercial bid is opened
8	3.a.3 Bid Submission Instructions a) Mode of Submission	10, 11	The technical proposal should be submitted in <i>two printed copies of the entire technical proposal (one Original and one duplicate copy) and a soft copy on non-rewriteable compact discs (CDs) with all the contents of the technical proposal.</i>	The technical proposal should be submitted in four printed copies (one original and three copies) and a soft copy on non-rewriteable compact discs (CDs) with all the contents of the technical proposal.
9	10.29	98	<p>Declaration of Consent for sharing commercial bid documents of SI with NCRB / MHA.</p> <p>(Company letterhead)</p> <p>[Date]</p> <p>To,</p> <p>The Nodal Officer (IGP SCR)</p> <p>CCTNS Project- Kerala</p> <p>State Crime Records Bureau</p> <p>Pattom, Trivandrum 695004</p> <p>Sub: Consent for sharing commercial bid documents of SI with NCRB / MHA</p> <p>Sir,</p> <p>I/We as System Integrator do hereby accept the condition to share the commercial bid submitted by us to NCRB/MHA, once Commercial bid is opened</p>	

			Yours faithfully, Authorized Signatory Designation	
Volume – III. Contractual and Legal Specifications				
Sl. No	Section No.	Page No.	Original Statement in RFP	Amendment
1	3.1 Schedule - I: Definitions	40	Business Hours: Shall mean the working time for Kerala Police SCRB personnel which is 10:00 AM to 4:00 PM	Business Hours: Shall mean the working time for Kerala Police Office personnel which is 10:00 AM to 5:00 PM
2	4.1 Definitions	59	Note. 16x6 Time frame means two duty time of 8 Hrs for six days excluding Sunday	<i>Deleted.</i>
3	4.2 Interpretations item (I)	61		<i>Addition:</i> 16x6 Time frame means two duty time of 8 Hrs each for six days excluding Sunday
4	2.24 Limitation of Liability	37		<i>Addition:</i> Limitation of Liability The maximum liability of System Integrator to Kerala Police for the implementation under this Agreement shall not exceed one time of the project cost.

RFP Volume – II 9.2: Pricing Summary Sheet Amended as

9.2. Form 1 – Pricing Summary					
S. No.	Description	Price (INR)	Taxes and Other Duties	Total Amount (INR)	Total Amount In Words
1.	Systems Study and Configuration Customization and Extension (New Modules) of CAS (State) and Integration with CAS (Centre) and External Agencies and Support to 3rd party acceptance testing, audit and certification				
2.	Site preparation at the Client site locations (police stations, circle offices, Commissionerates Range offices, Zones, SCRB, SDPOs, District HQ and State HQ), and Data Centre.				
3.	IT Infrastructure at the Client site locations (police stations, circle offices, Commissionerates, Range offices, Zones, SCRB, SDPOs, District HQ and State HQ).				
4.	Network Infrastructure for Police Stations / Higher Offices				
5.	IT infrastructure at the Data Centre and Disaster Recovery Centre including the necessary hardware, software and other networking components.				
6.	Data migration and Digitization of Historical Data				
7.	Change Management, Capacity Building, and Handholding Support				
A	Sub-total for Services Provided During Implementation Phase (Sum of items 1 – 7):				
1.	Operations and Maintenance Services for the 1st year after “Go-Live”				
2.	Operations and Maintenance Services for the 2 nd year after “Go-Live”				
3.	Operations and Maintenance Services for the 3 rd year after “Go-Live”				
4.	Operations and Maintenance Services for the 4 th year after “Go-Live”				
5.	Operations and Maintenance Services for the 5 th year after “Go-Live”				
B	Sub-total for Services Provided During Post Implementation Phase (Sum of items 1– 5):				
C	Blended Person Month Cost for 300 Person Months				
D	Operational Expense for 3 years				
	Grand Total for Consideration of L1 (A + B + C + D)				

9.3. Form 2: Detailed Component-Wise Pricing

A. Application Development & Database Creation Cost

S. No.	Category	Name of the Module of CAS(State)	Man (X)	Months	Man Month Rates (Y)	Total Cost (=X*Y)
1.	CCTNS application: Total cost of Customization, integration, development and deployment of the CCTNS solution as per requirements mentioned in the RFP	Module 1				
		...				
		...				
		Module n				

Total A:

B. Infrastructure for Site Preparation

S. No.	Category	Component	Make and Model	No of Components / Units of Service (X)	Rate (per unit) (Y)	Total Cost (=X*Y)
1	Infrastructure Items for Site Preparation	Chair		2190		
		L type Computer Table		774		
		Computer Table		1416		
		Computer Table (small)		1000		
		Storage Cabinet		539		
		Printer Table		523		
		Wall mountable Network Rack 9U		779		
		Patch Panel 12 Ports CAT 6		779		
		Information Outlet CAT 6		2765		
		Patch Cords 3 Ft. CAT 6		3885		

	Patch Cords 7 Ft. CAT 6		3139		
	Structured Cabling(CAT 6)		60300 Mtr.		
	Structured Electrical wiring including Plug point, MCB, ELCB,DB& earthing etc.		776 locations		

Total B:

C. Hardware Related Costs with the AMC for the period of 5 years from the Go-Live of the project

S. No.	Category	Component	Make and Model	No of Components / Units of Service (X)	Rate (per unit) (Y)	Total Cost (=X*Y)
1.	Infrastructure / Hardware	Desktops		1904		
		High End PC		796		
		Duplex Printers		302		
		Multi Function Laser printer		909		
		HDD 160GB or Higher		482		
		SNMP based 2KVA online UPS for 120min backup		661		
		2kVA Generator Set		482		
		3kVA Generator Set (Optional)		482		
		600VA UPS		82		
		Digital Camera		482		
		Electronic Pen		482		
		16 Port Switch		624		
		Antivirus software		2700		
		Office Suite		1794		
2	AMC for Hardware of CIPA Phase 2 &	Desktops		720		
		Printers(MFP)		180		

	Phase 3	UPS		180		
		16 Port Switch		180		

Total C:

D. Networking (LAN) Related Costs

S. No.	Category	Component	Make and Model	No of Components / Units of Service (X)	Rate unit (per unit) (Y)	Total Cost (=X*Y)
1.	Network Related Infrastructure	Routers (optional)		29		
2		Switch-cum Routers (optional)		849		

Total D:

E. Data Centre and DR Centre related Costs

S. No.	Category	Component	Make and Model	No of Components / Units of Service (X)	Rate unit (per unit) (Y)	Total Cost (=X*Y)
1	Deployment of requisite infrastructure for Data centre	Database Servers		4		
2		Application Server		4		
3		Web Server		3		
4		Antivirus and Mail Server		3		
5		Directory Access Server		2		
6		Server Load Balancer		4		
7		SAN Storage		2		
8		SAN Switch		4		
9		KVM Analog Switch		2		
10		1U LCD Console Drawer		2		
11		Fibre Channel Connectors		24		
12		Tape Media		14		
13		Server OS license		16		

14		Database license		2		
15		Anti-virus license		16		
16		Mail Server Security License		2		
17		Installation & testing charges				

Total E:

F: O&M of Data Centre

S. No.	Category	Component	Make and Model	No of Components / Units of Service (X)	Rate (per unit) (Y)	Total Cost (=X*Y)
1	All the O & M cost for managing the data centre services	Manpower		216 man months		
2		system software		5 years		
3		Maintenance & Updation of Antivirus		5 years		
4		Others				

Total F:

G. Data Cleansing & Data Migration

S. No.	Category	Component	No of Components / Units of Service (X)	Rate (per unit) (Y)	Total Cost (=X*Y)
1.	Cost of Data Cleansing and Migrating Data from existing system to new system	Cost of FIR (Form1 -7)	112004		
2	Testing of migrated data				
3				
4	Others				

Total G:

H. Data Digitization

S. No.	Category	Component	No of Components / Units of Service (X)	Rate (per unit) (Y)	Total Cost (=X*Y)
1.	Cost of digitization of data (data entry of the Master data and minimum historical transactional data entry)	Cost of FIR (Form1 -7)	2128067		
2.	Cost of scanning of existing files for the Integrated Workflow and Document Management System	1 person for 6 months (6)	100		

Total H:**I. Training**

S. No.	Training Cost Per Person for	Component	No of Components / Units of Service (X)	Rate (per unit) (Y)	Total Cost (=X*Y)
1.	Awareness and sensitization of benefits of IT	Trainees	852		
2.	Role based training for application user	Trainees	21440		
3.	Trainers Training	Trainees	121		
4.	System Administration and support Training	Trainees	1397		

Total I:**J: Handholding Support (for 6 Months)**

S. No.	Category	Component	No of Components / Units of Service (X)	Rate (per unit) (Y)	Total Cost (=X*Y)
	Handholding Support at Police Stations		482 locations		

Total J:

K. Operations and Maintenance Costs (Half yearly Expenses for 5 years of contract after "Go-Live") as detailed in RFP Volume 1

S. No.	Category	Component	No of Components / Units of Service (X)	Rate (per unit) (Y)	Total Cost (=X*Y)
1	Application Maintenance & Operational Expense including upgradation, deployment of patches, fixes etc				
2	Infrastructure Maintenance Expense (Helpdesk, deployed hardware & network infrastructure etc.)				
3				
4	Others				

Total K:

L: Support Manpower

S. No.	Category	Component	No of Components / Units of Service (X)	Rate (per unit) (Y)	Total Cost (=X*Y)
1.	Programmer				

2.	System Analyst				
3.	System Administrator				
4	Database Administrator				
5	Data Entry Operator				
6 Trainer				
7	Any Other				

Total L:

M: Operational Expense for 3 years (to be supplied in phased manner)

S. No.	Category	Component	Make and Model	No of Components / Units of Service (X)	Rate (per unit) (Y)	Total Cost (=X*Y)
1	Operational Expenses	Printer Cartridge		9312 Nos.		
2		Paper A4		83808 Packets of 500 sheets		
3		Others				

Total M: