

Registered Office- C-9, 8<sup>th</sup> floor, Reserve Bank of India premises,  
Bandra-Kurla Complex, Bandra-East, Mumbai-400 051

## Corrigendum - 2

Date: 01<sup>st</sup> Feb, 2012

This is in reference to NPCI's RFP#2011-12/0016 dated 5<sup>th</sup> January 2012 for Supply, Installation, Commissioning & Maintenance of Hardware and Software for NPCI ecommerce Solution. The prospective bidders may please note that:

“The below changes has been incorporated in this RFP:

- a) S1 hardware model has been changed
- b) Added software S17.2, S17.3, S19.2, S19.3 & increased Qty of S20 (processor base)
- c) Implementation Guideline

Original RFP						Amendment vide this Corrigendum					
S No	Description	Qty for Production Site	Qty for test Site	Total	Location	S No	Description	Qty for Production Site	Qty for test Site	Total	Location
S1.0	Host Security Module (HSM) –	2	0	2	PR-1 & DR-1	S1.0	Host Security Module (HSM) – Attalla A10160V	2	0	2	PR-1 & DR-1
<b>3.5</b>	<b>Software Requirement</b>										
S17	BarracudaWare Yosemite Backup	2	0	2	PR-1 & DR-1	S17.1	BarracudaWare Yosemite Backup	2	0	2	PR-1 & DR-1
						S17.2	HP Data Protector Server license	1	0	1	PR-1
						S17.3	Online Agents for HP Data Protector	8	0	8	PR-4 & DR-4
S19	Microsoft Server Standard 2008 R2	40	13	53	PR-33 & DR-20	S19.1	Microsoft Server Standard 2008 R2	40	13	53	PR-33 & DR-20
						S19.2	External Connector licenses for windows 2008 server	6	3	9	PR-6 & DR-3
						S19.3	CAL licenses for windows 2008 R2	5	0	5	PR-5
S20	Microsoft SQL server standard 2008	8	4	12	PR-8 & DR-4	S20.	Microsoft SQL server standard 2008	12	4	16	PR-12 & DR-4

**Hence Annexure C2 (a) Commercial Bid format –Production & Annexure C2 (b) Commercial Bid Format-Test will be revised according.**

All other terms and conditions remain unchanged.

**MD & CEO**  
**NATIONAL PAYMENTS CORPORATION OF INDIA**  
C-9, 8th Floor, RBI Premises, Bandra-Kurla  
Complex Bandra (E), Mumbai-400 051.

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**Revised Annexure C2: Commercial Format**

**Annexure C2 (a) Commercial Bid Format-Production**

Annexure C2 (a) Commercial Bid Format-Production																	
No.	Line Item	3 Year Cost					4th Year AMC					5th Year AMC					Total Price (A+B+C)
		Unit Price	Tax	Sub-Total	Qty.	Total Price (A)	Unit Price	Tax	Sub-Total	Qty.	Total Price (B)	Unit Price	Tax	Sub-Total	Qty.	Total Price (C)	
<b>1. HARDWARE-WITH 3 YEARS</b>																	
S1.	Host Security Module (HSM) - Attalla A 10160V				2												
S2.	HSM - nCipher Connect 6000				2												
S3.	HSM - SafeNet Data Secure i450				2												
S4.	Web Application Firewall - Management Device- Imperva MX				1												
S5.	WAF - Gateway- Imperva-G4				2												
S6.	Storage Area Network				2												
S7.	Tape Back Up Device				2												
S8.	Firewall- CISCO ASA 5520				4												
S9.	Switch- CISCO 3750x- 48TS				4												
S10.	Server 1- 2 socket/ 10 core each/ 256 GB Random Access Memory				4												
S11.	Server 2- 2 socket/ 4core each/ 32 GB RAM				4												
S12.	Load Balancer				2												
S13	Key Board Video Monitor (KVM)				4												
<b>2. OPERATING SYSTEM</b>																	
S19.	19.1 Microsoft Server Standard 2008 R2 (Server Based with 3years SA) (64 bit)				40												
	19.2 External Connector licenses for windows 2008 R2				6												
	19.3 CAL Licenses for windows 2008 R2				5												
S20.	Microsoft SQL Server Standard 2008 (Processor Based with 3 years SA) (64 bit)				12												
<b>3 OTHER SOFTAWRES</b>																	
S14.	Move IT Central				2												
S15.	Move IT Demilitarized Zone (DMZ)				2												
S16.	Server management software (OEM)				2												
S17	17.1 Barracuda Ware Yosemite Backup				2												
	17.2 HP Dataprotector Server license				1												
	17.3 Online Agents for HP Data Protector				8												
S18	TFTP32				1												
S21	VMWare 5 Enterprise				8												
S22	VMWare 5 virtual center				2												
S23	Oracle Golden Gate				16												
S24	What's Up gold				2												
S25	Quova				2												
S26	Double Take Software for Windows				6												
4	<b>One Time Implementation Cost</b>				1												
<b>Total for Evaluation-a</b>																	

Note: The bidder has to quote for Microsoft licenses under 'SELECT' license program. NPCI will enter into 'SELECT' agreement with L1 bidder and Microsoft. The bidder has to quote for licenses with 3 years Software Assurance for microsoft products and SA for 4th & 5th Year is not required

And the other software products should also be quoted with OEM technical support/ subscription charges for 3 years and SA for 4th & 5th Year to be quoted

Hardware warranty should be 3 years and 4th & 5th Year AMC should be quoted.

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**Annexure C2 (b) Commercial Bid Format-Test**

Annexure C2 (b) Commercial Bid Format-Test																	
No.	Line Item	3 Year Cost					4 th yearAMC					5 th yearAMC					Total (A+B+C)
		Unit Price	Tax	Sub-Total	Qty .	Total Price (A)	Unit Price	Tax	Sub-Total	Qty .	Total Price (B)	Unit Price	Tax	Sub-Total	Qty .	Total Price (C)	Total Price
	<b>1. HARDWARE-WITH 3 YEARS COMPREHENSIVE ON SITE WARRANTY</b>																
S3.	HSM - SafeNet Data Secure i450				1												
S9.	Switch- CISCO 3750x- 48TS				2												
S10.	Server 2- 2 socket/ 10 core each/ 256 GB Random Access				2												
S13	Key Board Video Monitor (KVM)				1												
	<b>2. OPERATING SYSTEM</b>																
S19.	19.1 Microsoft Server Standard 2008 R2 (Server Based with 3years SA) (64 bit)				13												
	19.2 External Connector licenses for windows 2008 R2				3												
S20.	Microsoft SQL Server Standard 2008 (Processor based with 3 years SA) (64 bit)				4												
3	<b>OTHER SOFTAWRES</b>																
S21	VMWare 5 Enterprise				4												
4	<b>One Time Implementation Cost</b>				1												
T2	<b>Total for Evaluation</b>																
Note: TCO will be arrived Based on the Annexure-C2 (a)+Annexure C2 (b)																	
In Sr.No S17, Either S17.1 or S17.2+S17.3 will be considered for commercial evaluation.																	
Bidder should provide unit rate for all the item mentioned in this format																	

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## **IMPLEMENTATION GUIDELINE**

This document provides information for the bidders to understand the functions that they would be required to perform, at a minimum, if they win the bid for the NPCI:RFP#2011-12/0016.

### **1.1 Hardware Requirements:**

#### **1.1.1 Attalla**

- Physically install the device in the datacenter.
- Physically Network the device and configure the device on the network.
- Potentially deploy Key team install the encryption keys on physical device.

#### **1.1.2 nCipher**

- Physically install the device in the datacenter.
- Physically Network the device and configure the device on the network.
- Potentially deploy Key team install the encryption keys on physical device.

#### **1.1.3 Safe Net**

- Physically install the device in the datacenter.
- Physically Network the device and configure the device on the network.
- Configure the device for use with the PaySecure application.

#### **1.1.4 WAF**

- Physically install the device in the datacenter.
- Physically Network the device and configure the device on the network.
- Update firmware to current levels.
- Install/configure Acculynk supplied web service definitions.

#### **1.1.5 SAN**

- Physically install the device in the datacenter.
- Physically Network the device and configure the device on the network.
- Create/size appropriate luns for use with the PaySecure application.
- Update patches/firmware to current levels
- Configure SAN for failover redundancy
- Integrate with NPS (Network Policy Service)
- Configure MTU (Maximum Transmission Unit)

#### **1.1.6 Tape backup**

- Physically install the device in the datacenter.
- Physically Network the device and configure the device on the network.

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- Test backup and restore of OSE (Operating System Environments) and databases.

#### **1.1.7 Firewall**

- Physically install the device in the datacenter.
- Physically Network the device and configure the device on the network.
- Update all firmware to current levels
- Configure for the following:
  - Required VLANS.
  - Integrate with NPS.
  - Configure 3<sup>rd</sup> party secure connectivity.
  - Implement firewall Rules required for PaySecure Application.
  - Configure MTU for SAN

#### **1.1.8 Switch**

- Physically install the device in the datacenter.
- Physically Network the device and configure the device on the network.
- Update all firmware to current levels
- Configure for the following:
  - Integrate with NPS
  - Configure for VLAN's required for PaySecure Application
  - Configure MTU for SAN

#### **1.1.9 Servers**

- Physically install the device in the datacenter.
- Physically Network the device and configure the device on the network.
- Update all firmware to current levels
- Install ESXi on all servers
- Configure Server Management Software
- Integrate Server Management Software with NPS
- Setup Redundant power

#### **1.1.10 Load balancers**

- Physically install the device in the datacenter.
- Physically Network the device and configure the device on the network.
- Install required SSL certificates
- Configure for failover between datacenters
- Install AFLEX rules supplied by Acculynk
- Setup DNS configuration

#### **1.1.11 KVM**

- Physically install the device in the datacenter.
- Physically Network the device and attach the device to servers.

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## 1.2 Software Requirements:

### 1.2.1 Move-IT

- Install the application.
- Perform all update to bring the application current.
- Configure the FTP server and DMZ environment.

### 1.2.2 Server Management Software (OEM)

- Install the application.
- Perform all update to bring the application current.
- Install and Configure for each windows OSE.

### 1.2.3 Backup Software (Yosemite / HP Data Protector)

- Install the application.
- Perform all update to bring the application current.
- Install and Configure for each windows OSE.

### 1.2.4 TFTP32

- Install the application.
- Perform all update to bring the application current.

### 1.2.5 VMWare

- Install the vCenter application
- Connect to host via iSCSI
- Setup and configure network settings
- Configure for windows installation.

### 1.2.6 MS server 2008 R2

- Install/harden all virtual servers
- Perform all updates to bring the OSE current.
- Configure servers and services
- Configure Network setting for each virtual servers
- Configure MSDTC service
- Setup trust relationships

### 1.2.7 MS SQL 2008

- Install software on the mentioned virtual database servers
- Perform all updates to bring the software current.
- Configure and tune software for required performance.

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### **1.2.8 Golden Gate**

- Install Golden Gate Director software
- Install Golden Gate on all SQL servers
- Perform all updates to bring the software current.
- Setup and configure transaction level replication between required databases in datacenters

### **1.2.9 What's up**

- Install software on the mentioned servers
- Perform all updates to bring the OSE current.
- Configure for WMI and SNMP communications
- Configure to monitor all required services.

### **1.2.10 Quova**

- Install software on 2 servers
- Perform all updates to bring the software current.