



PASCHIM BANGA GRAMIN BANK

HEAD OFFICE: Natabar Paul Road, Chatterjee Para More, Tikiapara, Howrah- 711 101

Phone No.: 2667-0052/6078/9327/9961, Fax No: 2667-0051/9589

Date: 03/06/2024

CORRIGENDUM TO THE RFP FOR SELECTION OF VENDOR FOR SUPPLYING, INSTALLING, CONFIGURING & MAINTENANCE OF HSM (Hardware Security Module) for UPI.

RFP Ref. No: PBGB/HO/DIT/449/2024-25 Date: 22/05/2024
Pre-Bid Responses/ Clarifications to Queries raised by the Bidder(s).

SL No	RFP Page No.	RFP Clause No.	Original RFP Clause	Query Sought/Suggestions of the Bidder	Reply to Query
1	32	2. Delivery and installation	The HSM device should be delivered and installed at both sites within 4 weeks from date of issuance of Purchase Order.	We would like to bring to your kind notice that we have discussed with the OEM and got confirmation that the delivery of the HSMs as per standard policy is 8-10 weeks. In this regard we request the Bank to consider and amend the clause from 4 weeks to 8-10 Weeks.	Please refer to Corrigendum
2	33	5. Terms of Payment	The payment towards the AMC charges for the maintains of the HSM Devices will be paid on quarterly basis in arrears. Payment will be released within 30 days	We need to make 100% advance payment to the OEM. We seek your support in making the AMC charges annually in advance. We request the bank to amend the clause to AMC charges will be paid Annually in Advance.	Clause stands as per RFP
3	30	Part IV- Scope of Work	There should not be any changes required from any application (UPI or any other application) for commissioning proposed HSM device	We request the Bank to clarify on the other application being referred to. The proposed HSM (Thales network HSM) is widely used by the BFSI sector and for the UPI application it has been tested and commissioned.	Primarily HSM device would be used for UPI application only.





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4	30	Part IV- Scope of Work	It is the responsibility of the Bidder to change/upgrade/customize its infrastructure/solution for ensuring the compliance to statutory, regulatory guidelines from RBI, TRAI, IRDA, NPCI, IBA, MASTER CARD and VISA etc. at no extra cost to the Bank.	We would like to bring to your kind notice the proposed HSM is meeting all the regulatory requirements and standards. Being its hardware components, future / upcoming regulatory requirements is unpredictable and any such changes may call for hardware replacement itself. Further being its a security components customization of the HSM is not possible. Therefore any such future regulatory compliance shall be reviewed and provided to the bank at mutually agreed cost.	Clause stands as per RFP
5	30	Point no-4	The proposed HSM must be PCI-HSM 3.0 Certified or above	Please modify the clause as : The proposed HSM must be PCI-HSM 3.0/FIPS 140-2 Level 3 Certified or above	Clause stands as per RFP
6	30	Point no-5	The proposed HSM must be FIPS140-2 Level 3 Certified.	Please modify the clause as :The proposed HSM must be FIPS140-2 Level 3 Certified (Certification in the name of OEM)	Clause stands as per RFP
7	30	Point no-12	The relevant security settings in the firmware should have PCI compliant values	Please modify the clause as :The relevant security settings in the firmware should have PCI/FIPS compliant values	Clause stands as per RFP
8	30	Point no-13	Shipment of the HSM should be compliant as per PCI HSM requirement	Please modify the clause as :Shipment of the HSM should be compliant as per PCI/FIPS HSM requirement	Clause stands as per RFP
9	30	Point no-16	compatible with all OS	Please mention the list of OS you want the support for ?	Clause stands as per RFP
10	31	Point no-24	All Features for the HSM should be enabled by default and should not require purchase of any additional license for PIN transaction Processing, EMV Processing etc.	Please modify the clause as :All Features for the HSM should be enabled by default and should not require purchase of any additional license for PIN transaction Processing/ EMV Processing, ekyc, document signing,xml signing etc	Clause stands as per RFP





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11	31	Point no-26	Key Block support (superset of ANSI X9.24) or Higher	Please modify the clause as :support for ANSI X9.24 or Higher / ANSI X9.42	Clause stands as per RFP
12	31	Point no-28	Cryptographic module certified to FIPS: 140-2 Level 3,46,81. 180-3, 186-3, 198 or above	Please modify the pointer as :Cryptographic module certified to FIPS: 140-2 Level 3(certification in the name of OEM) . 180-3, 186-3, 198 or above	Clause stands as per RFP
13	31	Point no-29	PCI HSM 3.0 Standard or above	Please modify the pointer as :PCI HSM 3.0 /FIPS 140-3 Standard or above	Clause stands as per RFP
14	31	Point no-39	Reporting of Authorization State identifies whether commands are Host, Console, or All	Please modify the clause as :Reporting of Authorization State identifies whether commands are HSM, partition, user /Host/Console, or All	Clause stands as per RFP
15	31	Point no-43	Encrypted decimalization table	We request the Bank to remove the point as this point does not apply to UPI requirement	Clause stands as per RFP
16	31	Point no-45	PIN never appears in the clear outside of a tamper resistant security module as per PCI PIN security requirements	Please modify the clause as : key/PIN never appears in the clear outside of a tamper resistant security module as per PCI PIN/FIPS security requirements	Clause stands as per RFP
17	31	Point no-46	Key Entry Mechanism are protected as per PCI HSM 3.0 requirements	Please modify the clause as :Key Entry Mechanism are protected as per PCI HSM 3.0/FIPS requirements	Clause stands as per RFP
18	20	Point no-33	Purchase Preference	We request the Bank to remove the Purchase Preference to Class-1 Local Supplier	Clause stands as per RFP





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19	9	2. Eligibility Criteria	3. The bidder should have made operating profit last three financial years (i.e. 2020-21 , 2021-22 and 2022-23).	Please amend the clause as suggested below: The bidder should have positive Net worth during each of the last three financial years (i.e. 2020-21 , 2021-22 and 2022-23).	Clause stands as per RFP
20	9	2. Eligibility Criteria	5. Bidder should have supplied & installed minimum 5 numbers HSM for UPI transactions in Scheduled Commercial Banks or RRBs in India in last three years.	Please amend the clause as suggested below: Bidder should have supplied & installed minimum 5 numbers HSM in Organizations in the BFSI / Govt. / PSU verticals in last three years. In case the Bidder is a wholly owned subsidiary, then the relevant experience of the Parent Company of the Bidder will be considered for compliance.	Clause stands as per RFP
21	9	2. Eligibility Criteria	6. The bidder should be engaged in supplying and providing maintenance services for HSM in India for at least 5 years.	Please amend the clause as suggested below: The bidder should be engaged in supplying and providing maintenance services for HSM in India for at least 3 years. In case the Bidder is a wholly owned subsidiary, then the relevant experience of the Parent Company of the Bidder will be considered for compliance.	Clause stands as per RFP
22	29	PART-IV SCOPE OF THE WORK	It should support multiple client structure so that in future, may be able to integrate with UPI or any other solutions. The bidder should configure any additional client as per bank's requirement without any additional charges.	Since the Bidder would be supplying the HSM appliances as per the specifications provided in the RFP and procured after evaluation by the Bank's Technical Evaluation Committee, we would request PBGB to kindly drop this RFP clause.	Clause stands as per RFP





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23	29	PART-IV SCOPE OF THE WORK	The bidder has to integrate the HSM with UPI application of the Bank. The selected bidder has to co-ordinate with the application / solution provider for integration with UPI application. The concerned vendor of UPI Solution will examine the proposed HSM which is compatible to Bank's UPI solution/Software and will certify that they are ready to make necessary modifications in the existing enrolment and transaction applications to make it compatible with the HSM	We understand that the Bidder's scope is limited to providing necessary information to the Application Solution Provider which is required for integrating the existing applications of the Bank. Please confirm our understanding.	Clause stands as per RFP
24	30	PART-IV SCOPE OF THE WORK	There should not be any changes required from any application [UPI or any other application] for commissioning proposed HSM device It is the responsibility of the Bidder to change / upgrade / customize its infrastructure / solution for ensuring the compliance to statutory, regulatory guidelines from RBI, TRAI, IRDA, NPCI, IBA, MASTER CARD and VISA etc. at no extra cost to the Bank.	Since the Bidder would be supplying HSM as per the RFP's specifications and evaluated by the Bank's Technical Evaluation Committee we would request PBGB to kindly drop these RFP clause.	Clause stands as per RFP
25	34	Part-V (Other Derails) 5. Terms of Payment	(a) 90% of the Hardware Cost will be paid after delivery and successful installation of the HSM. (b) 10% of the Hardware Cost will be paid after the 3 months of successful installation and working of the same.	To align with industry wide accepted payment terms for similar projects we would request PBGB to amend the payment terms as suggested below: (a) 80% of the Hardware Cost will be paid on delivery of the HSM (b) 10% of the Hardware Cost will be paid on successful installation of the HSM. (c) 10% of the Hardware Cost will be paid after 1 month of successful installation and working of the HSM.	Clause stands as per RFP





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26	34	Part-V (Other Details) 5. Terms of Payment	For AMC (Annual Maintenance Contract) The payment towards the AMC charges for the maintenance of the HSM Devices will be paid on quarterly basis in arrears.	We would request PBGB to kindly amend the payment terms for AMC as suggested below: The payment towards the AMC charges for the maintenance of the HSM Devices will be paid 100% in advance on the annual renewal of AMC.	Clause stands as per RFP
27	30	Technical Specification of HSM for UPI	Support for various cryptographic algorithms: Asymmetric Key RSA (2048-4096 bits), DSA, ECDSA, Elliptic Curve Cryptography (ECDSA, ECDH, Ed25519, ECIES) with named, user-defined and Brainpool curves, KCDSA (No separate license of Algorithm to be charged)	Please modify the pointer as: Support for various cryptographic algorithms: Asymmetric Key RSA (2048-4096 bits) ECDSA, Elliptic Curve Cryptography (ECDSA, ECDH, Ed25519) with named, user-defined and Brainpool curves	Clause stands as per RFP
28	30	Technical Specification of HSM for UPI	HSM should store minimum 1500 2048-bit keys in its cryptographic memory.	Please modify the pointer as: HSM should store minimum 1500 2048-bit keys in its cryptographic memory/within security of HSM keys	Please refer to Corrigendum
29	31	Technical Specification of HSM for UPI	20. Should adhere to all major industry standards, including FIPS-140-2 level 3, PCI – DSS, qualified signature or Seal creation Device (QSCD) listing for eIDAS, common criteria EAL4+(AVA_VAN and ALC-FLR.2) against the protection profile EN 419 221-5 etc.	Please modify the pointer as :Should adhere to all major industry standards, including FIPS-140-2 level 3, PCI – DSS, (with certification should be in the name of OEM)	Clause stands as per RFP
30	31	Technical Specification of HSM for UPI	21. Should have GUI/CLI available with 2 Factor Authentication using USB tokens.	Please modify the pointer as : Should have GUI/CLI available with 2 Factor Authentication using USB tokens/smartcards	Clause stands as per RFP
31	31	Technical Specification of HSM for UPI	21. Cryptographic module certified to FIPS: 140-2 Level 3, 46, 81, 180-3, 186-3, 198 or above	Please modify the pointer as : Cryptographic module certified to FIPS: 140-2 Level 3(certification in the name of OEM) . 180-3, 186-3, 198 or above	Clause stands as per RFP





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32	31	Technical Specification of HSM for UPI	38. Audit trails and 2 Factor Authentication for Auditor using USB tokens	Please modify the pointer as : Audit trails and 2 Factor Authentication for Auditor using USB tokens/smartcards	Clause stands as per RFP
33	20	33. Preference to Make in India	Purchase Preference		Clause stands as per RFP
34	30	Part IV, SI No. 1	Speed: 500 TPS (Transactions per second)(or higher) with 2048 bit encryption.	Performance is based on the number of 3DES PIN Translate transactions performed in one second (TPS). Suggestion is to change it to "Speed: 500 TPS (Transactions per second)(or higher) with 3DES PIN Translate	Clause stands as per RFP
35	30	Part IV, SI No. 7	Appliance shall be network TCP / IP based appliance and must work as cluster	Cluster/Load balancing is to be configured from the Host Application servers sending requests to both the HSMs. HSMs do not communicate with each other for HA/Cluster. Suggestion is to change it to "Appliance shall be network TCP / IP based appliance and must support high availability."	Clause stands as per RFP
36	30	Part IV, SI No. 17	Synchronization of keys between HSMs on real-time basis	Keys are synchronized between HSMs with the Key Management process. The same has to be done manually on each HSM either by Key loading activities or backup restoration. Kindly omit this point.	Please refer to Corrigendum
37	31	Part IV, SI No. 21	Should have GUI/CLI available with 2 factor Authentication using USB Tokens	Suggestion is to change it to "Should have GUI/CLI available with 2 factor Authentication using USB Tokens or Smart Cards."	Clause stands as per RFP





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38	31	Part IV, SI No. 25	HSM should be scalable to support more signature per second i.e. usable in cluster mode.	Suggestion is to change it to "HSM should be scalable to support more transactions per second i.e. usable in cluster mode."	Please refer to Corrigendum
39	31	Part IV, SI No. 33	The HSM device quoted should be compatible with all the Class-II & Class-III Digital Signal Certificate (DSC) issued from all Indian Certified Authorities (CAs)	Kindly omit this point as it is relevant for General Purpose HSMs.	Please refer to Corrigendum
40	31	Part IV, SI No. 35	Detection of cover removal in addition to Alarm triggers for motion, voltage and temperature	"alarm for cover removal" is specific to single OEM. As per FIP 140-2 certification Should it be " Tamper detection and response hardware in addition to Alarm triggers for Sensitive data erased immediately in the event of any tamper attack" Request you to change it to following for multiple OEM participation: Detection of Alarm triggers for voltage and temperature. voltage, temperature and other events as per FIPS and PCI compliance.	Please refer to Corrigendum
41	31	Part IV, SI No. 36	Multiple Alarm trigger for motion, voltage and temperature.	"alarm for cover removal" is specific to single OEM. As per FIP 140-2 certification Should it be " Tamper detection and response hardware in addition to Alarm triggers for Sensitive data erased immediately in the event of any tamper attack" Request you to change it to following for multiple OEM participation: Multiple alarm triggers for voltage , temperature and other events as per FIPS and PCI compliance.	Please refer to Corrigendum
42	31	Part IV, SI No. 38	Audit trails and 2 Factor Authentication for Auditor using USB tokens	Suggestion is to change it to "Audit trails and 2 Factor Authentication for Auditor using USB Tokens or Smart Cards"	Clause stands as per RFP





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43	31	Part IV, SI No. 39	Reporting of Authorization State identifies whether commands are Host, Console, or All	This description is OEM specific. Kindly omit this point.	Please refer to Corrigendum
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