S. N	RFP Page	RFP Rule No.	Rule Details	Query / Suggestion/ Clarification by bidders	RISL Remarks
1	79	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	The proposed HSM should come with minimum 5 partitions and have provision expanding partitions up to 20 (without any cost) on same HSM and each partition should be protected as per CCA guidelines. The proposed HSM should come with minimum 5 client licenses	The Proposed HSM comes with minimum 5 partitions, which is suffcient to meet the use-cases required for this project. To optimise the BOQ, request you to modify the pointer as : The proposed HSM should come with minimum 5 partitions and have provision expanding partitions up to 20 (later with additional license cost) on same HSM and each partition should be protected as per CCA guidelines. The proposed HSM should come with minimum 5 client licenses	Please refer final RFP
2	79	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	The proposed HSM Should support Windows 2008 or higher, Linux, Solaris, HP UX 11i, VMWARE, AIX 5.3	Since all of these OS are declared EOL by their respestive OEMs. Request you to modify the pointer: The proposed HSM Should support Windows 2016 or higher, Linux, Solaris, VMWARE, AIX 7.1 or above	Please refer final RFP
3	76	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	The Proposed Hardware security module (HSM) Support for minimum 5000 Transaction (Signing) per Second @ RSA 2048 bits inside the HSM, Should have Minimum 12 MB of Memory and can generate Minimum 10 RSA Key Pair (2048) per second.	The Proposed Hardware security module (HSM) Support for minimum 800 Transaction (Signing) per Second @ RSA 2048 bits inside the HSM, Should have Minimum 2 MB of Memory and can generate Minimum 1 RSA Key Pair (2048) per second. HSM hsould have onfield upgrade capability to increase TPS incase requirement grows.	As per Draft RFP
4	76	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	The proposed HSM should come with minimum 5 partitions and have provision expanding partitions up to 20 (without any cost) on same HSM and each partition should be protected a per CCA guidelines. The proposed HSM should come with minimum 5 client licenses	Key Storage & Number of Partitions in HSM goes hand in hand, seems like the specifications mentioned are being framed by considering only single OEM. This is Thales specifications. Why limit to initial 5 partitions and 20 partitions maximum? Request you to provide usecases for initial 5 partitions and 20 partitions maximum to understand requirement and propose better solution?	Please refer final RFP
5	76	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	continue to work without any change in the code. All activities related to the key	The proposed HSM should be compatible with existing HSM (Safenet Luna 7000) to migrate keys with existing keys will be wrapped out by existing HSM OEM and provided for migration . The key migration should be carried out seamlessly without any downtime. The proposed HSM OEM should also ensure that the existing application continue to work without any change in the code or minimal change . All activities related to the key Migration will be sole responsibility of the proposed HSM OEM. The proposed HSM should be able to create high availability with the existing HSM's in order to sync / clone the keys	As per Draft RFP
6	77	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	The proposed HSM Should support Windows 2008 or higher, Linux, Solaris, HP UX 11i, VMWARE, AIX 5.3	The proposed box should be minimum FIPS 140-2 level 3 certified with multifactor authentication . FIPS certification should be in the name of the proposed OEM.	Suggestion already incorporated at point 8 and 18 of Specifications
7	77	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	The proposed HSM Should comply to standards FIPS 140-2 Level 3, CC EAL4+,ROHS, FCC part 15 Class B, and with the latest guidelines of the CCA. All certifications should be on the name of the OEM of HSM.	The proposed HSM Should comply to standards FIPS 140-2 Level 3, CC EAL4+,ROHS, FCC part 15 Class B, and with the latest guidelines of the CCA. FIPS 140-2 level 3 certification should be on the name of the OEM of HSM.	As per Draft RFP
8	77	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	Key Exchange Symmetric Algorithm: AES, SEED, Triple DES, DES	Key Exchange Symmetric Algorithm: AES, SEED, Triple DES, DES	Please refer final RFP
9	77	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	Random Number Generation FIPS 140-2 approved and designed to comply with AIS 20/31 to DRG.4 using HW based true noise source alongside NIST 800-90A compliant CTR-DRBG.	Random Number Generation FIPS 140-2 approved and designed to comply with AIS 20/31 to DRG.4 and FIPS Complaint.	As per Draft RFP

S. N	RFP Page	RFP Rule No.	Rule Details	Query / Suggestion/ Clarification by bidders	RISL Remarks
10	78	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	Support for minimum 5000 signatures per second for both RSA 2048 bit keys and ECC 256 bit keys and should have memory more than 12 MB.	Support for minimum 5000 800 signatures per second for both RSA 2048 bit keys and ECC 256 bit keys and should have memory more than 12 2 MB.	As per Draft RFP
11	78	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	HSM should support integrations with interfaces and providers like OpenPGP, Openssl, etc. and with applications like Ascertia ADSS, Nuance (voice Biometrics), Totemo Email Gateway and etc.	Integration with interfaces and providers like OpenPGP, Openssl, etc. and with applications like Ascertia ADSS, Nuance (voice Biometrics), Totemo Email Gateway and etc. is not allowed for CA & eSign as per the gudelines and HSM should only be utilised for CA & eSign process, this clause is Thales specific and allow only Thales participation. Request you to remove this clause for mutiple HSM OEM participation.	Please refer final RFP
12	77	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	The proposed HSM should be compatible with existing HSM (Safenet Luna 7000) to migrate keys. The key migration should be carried out seamlessly without any downtime. The proposed HSM OEM should also ensure that the existing application continue to work without any change in the code. All activities related to the key Migration will be sole responsibility of the proposed HSM OEM. The proposed HSM should be able to create high availability with the existing HSM's in order to sync / clone the keys	The existing HSM should have the active support. Assumption is existing HSM would be able to export keys outside HSM.	As per Draft RFP
13	77	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	The proposed HSM Should comply to standards FIPS 140-2 Level 3, CC EAL4+, ROHS, FCC part 15 Class B, and with the latest guidelines of the CCA. All certifications should be on the name of the OEM of HSM.	Please remove "All certifications should be on the name of the OEM of HSM". Please remove CC EAL4+. There are OEM's who have certified their Cryptographic Module certified. All Network Appliance HSM OEM uses this Cryptographic Module in their Network Appliance HSM, however it's not necessary OEM of Cryptographic Module and Network Appliance HSM to be same. If cryptographic keys are stored in FIPS 140-2 Level 3 certified cryptographic module, it meets the CCA guidelines. So it is not necessary to have FIPS 140-2 Level 3 certification in name of Network Appliance HSM OEM. The need as per CCA Guidelines is that cryptographic keys should be stored in FIPS 140-2 Level 3 certified Cryptographic Module. Since the cryptographic key management / storage function is when managed within the certified cryptographic module and Cryptographic Module used in a Network Appliance HSM has valid FIPS certificate on the NIST website. So it is not necessary to have Network Appliance HSM OEM name on NIST website. In India FIPS 104-2 Level 3 certification is recommended by CCA. Also CC EAL4+ and FIPS 140-2 level 3 certification are similar certification. So we would request you to please remove CC EAL4+ certification Please clarify FIPS 140 2 Level 3 Certification should be of Network HSM or of Cryptographic Module?	As per Draft RFP
14	77	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	Key Exchange Symmetric Algorithm: AES, SEED, Triple DES, DES	Please remove DES. DES has been already removed from NIST approved list	Please refer final RFP

S. N	RFP Page No.	RFP Rule No.	Rule Details	Query / Suggestion/ Clarification by bidders	RISL Remarks
15	77	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	Support for Hash Message Digest HMAC, SHA1, SHA2 (512), SHA-3 and SM2, SM3, SM4 etc.	Please remove SM2, SM3 & SM4 algorithm. These are chinese algorithms may not be required for RFP use case	Please refer final RFP
16	78	ANNEXURE-2: TECHNICAL AND FUNCTIONAL REQUIREMENT SPECIFICATIONS	The Proposed HSM should be, Standard 1U 19in. rack mount appliance and should have Dual hot-swap power supplies	Please change this clause to "The Proposed HSM should be, Standard 1U/2U 19in. rack mount appliance and should have Dual hot-swap power supplies"	As per Draft RFP
17	20	4. SCOPE OF WORK, Deliverables, Time Schedule & Payment terms For Package 3: d) Technical Support Services from OEM of Software Components as per Annexure - 1:	The Support shall include all the patches, updates and upgrades, bug fixing, issue resolution, any other requirements/implementation/modifications as per CCA guidelines or the recommendation of the Auditor during the annual audit prevailing for period covered under the warranty/ Support, for the below products. 1. Certifying Authority Solution: CA Suite (CERTRIX, CLOCKTRIX, CERTRUST and eSign server)	The name of the Product specified is incorrect, please change to ClockTix.	Please refer final RFP
18	20	4. SCOPE OF WORK, Deliverables, Time Schedule & Payment terms For Package 3: d) Technical Support Services from OEM of Software Components as per Annexure - 1:	RISL upon receipt of Support (Certificate) from the selected bidder shall validate the same as per work order/ bidding document for its compliance	The support certificate will be issued to resource or company who will take care of the OEM support services. This cannot be cross checked with any work order. Need more clarity on what this clause refers to.	OEM has to provide a certificate or undertaking (physical / eCopy/ Support duration updation on the support portal) to RISL that the mentioned product is under support for the duration mentioned in the RFP.
19	21	4. SCOPE OF WORK, Deliverables, Time Schedule & Payment terms For Package 3: e) Maintenance of the eSign project	 a) Bidder shall be preparing and submitting the monthly and quarterly reports along with the MIS adhering to the SLAs as mentioned in "Service Level Agreement". b) The following is an indicative list of Monthly / Quarterly MIS reports/ documents which shall be submitted by the successful Bidder for the products covered under the 	Odyssey CA suite offer standard reports in all its software products. These reports can be exported and presented to RISL. Any further need in this regard will be considered as customization which is not part of this RFP. Please confirm if our understanding is correct.	This is a part of the duty to be performed by the deployed team, the format of the reports will be decided by RISL and will be prepared by the bidder. Reports are not specific to any OEM,
20	22	4. SCOPE OF WORK, Deliverables, Time Schedule & Payment terms For Package 3: e) Maintenance of the eSign project		Please confirm that this clause is applicable to only the Onsite resources of the prime bidder and will not apply to OEM offshore resources.	Onsite manpower deployed by the bidder

S. N	RFP Page	RFP Rule No.	Rule Details	Query / Suggestion/ Clarification by bidders	RISL Remarks
21	22	4. SCOPE OF WORK, Deliverables, Time Schedule & Payment terms For Package 3: e) Maintenance of the eSign project	Regulatory requirements 4. RISL reserves the right to evaluate the performance of the resource persons deployed on the project by bidder and ask for a suitable replacement in case of unsatisfactory performance by any of the resource persons deployed to support the project.	Please confirm that this clause is applicable to only the Onsite resources of the prime bidder and will not apply to OEM offshore resources.	Onsite manpower deployed by the bidder
22	23	4. SCOPE OF WORK, Deliverables, Time Schedule & Payment terms For Package 3: (f) Supply of Technical Manpower (Software Developers) w.e.f. 01.03.2024 for a period of 30 Months.	The Selected Bidder has to provide the following manpower to accomplish the activities of the eSign project as per details below:	As per RFP Package 3 section refers to the activities relatd to maintenance of eSign & CA products. So please clarify the need for development resources in this RFP.	Details mentioned in Scope of work
23	24	For Package 3: (f) Supply of Technical Manpower (Software Developers) w.e.f.	I. ASP On-boarding a) The deployed manpower will be responsible for providing the technical support for ASP on- boarding process, which requires coding for generating Input XML, Stamping of Signature on pdf, xml and other formats. b) Any issue faced during ASP on-boarding process will be resolved by the deployed team. c) Any new requirement / development required will be carried out by the bidder at no extra cost. d) API development for ASP-onboarding.	For on-boarding ASP, only support staff is required. If RISL intends to build a new common ASP portal then we suggest to move it to separate RFP. Primary reason is a detailed scope of work and technical specifications will have to be listed covering design, development, integration, testing and implementation activities. Futhermore as this will involve multiple stakeholders at various junctures without a SOW defined expected results may not be achieved.	As per Draft RFP
24	69	7. TERMS AND CONDITIONS OF TENDER & CONTRACT a) In Case of eSign Service is down due to component (Certifying Authority Solution) covered in the scope of Package -3:	Non Prime Working Hours (Mon – Sat , 07:00PM to 09:00 AM on next date) and Sunday	We urge RISL to include National Holidays too in the Non Prime Working hours.	As per Draft RFP

S. N	RFP Page	RFP Rule No.	Rule Details	Query / Suggestion/ Clarification by bidders	RISL Remarks
25	69	7 TEDMG AND	Time taken to make eSign Service UP and running - Non Prime Working Hours - Within 8 Hours of Request logging	Considering we are not deploying a onsite support staff we suggst to increase the Time taken to resolve to 12 hours. Likewise we also urge RISL to change Penalty for 1000 Rs should be Post 12 hours to 24 hours and Post 24 hours Penalty is Rs 2000 Per 4 hours subjected to max of 10% of milestone.	As per Draft RFP
26	70	7. TERMS AND CONDITIONS OF TENDER & CONTRACT b) If eSign Service is not down	Time taken for resolving the issue - Within 48 Hours of Request logging	Considering the CA & eSign suite has various components and interacts with variety of 3rd party components which may require additional time to troubleshoot and offer resolution. Hence we urge RISL to change resolution time to Within 72 hours of Reuqest Logging.	As per Draft RFP
27	22	4. SCOPE OF WORK, Deliverables, Time Schedule & Payment terms For Package 3: e) Maintenance of the eSign project	Project Manager B.E./B.Tech (Computer Science /IT)/ MCA/ MSC(IT) Minimum Experience of 6 years in / PKI / Compliances /Software Development. Hands on experience of working in PKI technology. Knowledge of CCA guidelines and audit Criteria. Hands on experience of Key management, key life cycle. Should have experience of working for any licensed Certifying Authority under CCA	For Project manager asking for these skill sets in detail may hinder the Bidder to procure such resource. Focus should be on Project manager skill sets like - Planning everything from execution to delivery - Managing the resource of time - Managing the deployment deliverables - Monitoring progress and track roadblocks - Managing documentation and reports - Coordinating with various stakeholders, RISL, OEMS, support teams, etc. Additional skill set can be knowledge of CCA guidelines, audit criteria, experience in DSC life cycle management solution & experience in working on licensed CA	As per Draft RFP
28	102	ANNEXURE-14	Certifying Authority Solution CERTIX, CLOCKTRIX, CERTRUST and eSign Server	The name of the Product specified is incorrect, please change to ClockTix.	Please refer final RFP
29	85	ANNEXURE–Financial Bid Format For Package 3	Below Line Items are mentioned in "Price Bid Format" Package 3 (Item Description) 1. Technical Support from OEM for Certifying Authority Solution (CA) Suite for 3 years as per Clause 4.1.(D) 2. Maintenance of the eSign System as per Clause 4.1.(E) 3. Senior Developer (2 in number for 30 months) 4. Junior Developer (2 in number for 30 months)	Below Line Items are missing & need to add in "Price Bid Format" Package 3 1. Project Manager - 1 2. HSM & PKI Engineer -1 3. Helpdesk Executives - 2	As per Draft RFP

S. N	RFP Page	RFP Rule No.	Rule Details	Query / Suggestion/ Clarification by bidders	RISL Remarks
30	16	Pq	For Package 3:The Bidder must have successfully completed or partially completed project with requisite amount, related to Supply / Development /FMS / Support of PKI based Software. OR Supply of Manpower (Developers, PKI Engineer, HSM Engineer) / Consultancy services/ FMS of Certifying Authority Setup For any licensed Certifying Authorities under CCA. Work order(s) should be on or after 01.04.2018, as per details below: One project (Single work order) amounting at least 1 Crores OR Two projects (Single work order for each project) with cumulative amounting at least 1.5 Crores	For Package 3:The Bidder must have successfully completed or partially completed project with requisite amount, related to Supply / Development /FMS / Support of PKI based Software and Supply of Manpower (Developers, PKI Engineer, HSM Engineer) / Consultancy services/ FMS of Certifying Authority Setup For any licensed Certifying Authorities under CCA. Work order(s) should be on or after 01.04.2018, as per details below: One project (Single work order) amounting at least 50 lacs OR Two projects (Single work order for each project) with cumulative amounting at least 75 lacs	Please refer final RFP
31	26	2	On submission of all the deliverables 90 % of quoted value (in line 1 of the BOQ for Package 1) 1 % of Quoted value (in line1 of the BOQ for Package-1) each quarter for 10 Half years	On submission of all the deliverables 90 % of quoted value (in line 1 of the BOQ for Package 1) Remaining 10% of payment against additional 10% Bank Gurantee	Please refer final RFP
32	26		On submission of all the deliverables 88 % of quoted value (in line 1 of the BOQ-Package-2) 1 % of Quoted value (in line 1 of the BOQ-Package 2) each quarter for 12 Quarters 8.25 % of Quoted value (in line 2-5 of the BOQ-Package -2) each quarter for 12 Quarters, for respective item.	On submission of all the deliverables 90 % of quoted value (in line 1 of the BOQ- Package-2) 10 % of Quoted value (in line 1 of the BOQ- Package 2) against 10% additional Bank Gurantee 8.25 % of Quoted value (in line 2-5 of the BOQ- Package -2) each quarter for 12 Quarters, for respective item.	As per Draft RFP
33	27		8.25 % of Quoted value (in line 1 of the BOQ for Package -3) each quarter for 12 Quarters, for respective item. 8.25 % of Quoted value (in line 2 of the BOQ for Package-3) each quarter for 12 Quarters.	On submission of all the deliverables 85 % of Quoted value (in line 1 of the BOQ for Package -3) Remaining 15% against additional 15% Bank gurantee or 5% yearly for 3 years 8.25 % of Quoted value (in line 2 of the BOQ for Package-3) each quarter for 12 Quarters.	As per Draft RFP

S. N	RFP Page	RFP Rule No.	Rule Details	Query / Suggestion/ Clarification by bidders	RISL Remarks
34	15	PRE-QUALIFICATION/		For Package 1: The bidder must have successfully Supplied and Installed minimum 5 HSM to any Government bodies (Department/PSU/Banks)/ licensed Certifying Authorities under CCA, Work Order should be on or after 01.04.2017, as per details below:	Please refer final RFP
35	26		For Package 1 Payment: On submission of all the deliverables 90 % of quoted value & balance 10% in quarter.	For Package 1 Payment: On submission of all the deliverables 90 % of quoted value & balance 10% against submission of BG of the same value.	Please refer final RFP
36	26	Project Deliverables, Milestones, Time Schedule & Payment terms and schedule	For Package 2 Payment: On submission of all the deliverables 88 % of quoted value & balance 12% in 12 quarter.	For Package 2 Payment: On submission of all the deliverables 90 % of quoted value & balance 10% against submission of BG of the same value.	As per Draft RFP
37	15	3. PRE-QUALIFICATION/ ELIGIBILITY CRITERIA 4. Technical Capability & Experience	For Package 3:The Bidder must have successfully completed or partially completed project with requisite amount, related to Supply / Development /FMS / Support of PKI based Software. OR Supply of Manpower (Developers, PKI Engineer, HSM Engineer) / Consultancy services/ FMS of Certifying Authority Setup For any licensed Certifying Authorities under CCA. Work order(s) should be on or after 01.04.2018, as per details below: One project (Single work order) amounting at least 1 Crores OR Two projects (Single work order for each project) with cumulative amounting at least 1.5 Crores	RFP cluse should be amend like below, it will cover everything For Package 3:The Bidder must have successfully completed or partially completed project with requisite amount, related to Supply / Development /FMS / Support of PKI based Software/hardware/HSM & support services OR Supply of Manpower (Developers, PKI Engineer, HSM Engineer) / Consultancy services/ FMS of Certifying Authority Setup For any Government bodies (Department/PSU/Banks) / licensed Certifying Authorities under CCA. Work order(s) should be on or after 01.04.2018, as per details below: One project (Single work order) amounting at least 1 Crores OR Two projects (Single work order for each project) with cumulative amounting at least 1.5 Crores	Please refer final RFP

S. N	RFP Page	RFP Rule No.	Rule Details	Query / Suggestion/ Clarification by bidders	RISL Remarks
38	15	Technical Capability & Experience	to any Government bodies (Department/PSU/Banks)/ licensed Certifying Authorities under CCA, in not more than 2 Work orders. Work order(s) should be on or after 01.04.2018, as per details below: PACKAGE 2 For Package 2:The Bidder must have successfully completed or partially completed project with requisite amount, related to Supply of IT hardware for Data Centre / Technical Support of Software from OEM / FMS of Data Centre For any Government bodies (Department/PSU/Banks) / licensed Certifying Authorities under CCA. Work order(s) should be on or after 01.04.2018, as per details below: One project (Single work order) amounting at least 2.00 Crores OR Two projects (Single work order for each project) with cumulative amounting at least 3.00 Crores PACKAGE 3	PACKAGE 1 For Package 1: The bidder must have successfully completed or partially completed project Supply of IT hardware for Data Centre / Technical Support of Software from OEM / FMS of Data Centre to any Government bodies (Department/PSU/Banks)/ licensed Certifying Authorities under CCA, in not more than 2 Work orders. Work order(s) should be on or after 01.04.2018, as per details below: PACKAGE 2 For Package 2: The Bidder must have successfully completed or partially completed project with requisite amount, related to Supply of IT hardware for Data Centre / Technical Support of Software from OEM / FMS of Data Centre For any Government bodies (Department/PSU/Banks) / licensed Certifying Authorities under CCA. Work order(s) should be on or after 01.04.2018, as per details below: One project (Single work order) amounting at least 2.00 Crores OR Two projects (Single work order for each project) with cumulative amounting at least 3.00 Crores PACKAGE 3 For Package 3:The Bidder must have successfully completed or partially completed project with requisite amount, related to Supply / Development /FMS / Support of PKI based Software. OR Supply of Manpower (Developers, PKI Engineer, HSM Engineer) / Consultancy services/ FMS of Data Centre Certifying Authorities under CCA. Work order(s) should be on or after 01.04.2018, as per details below: One project (Single work order) amounting at least 1 Crores OR Two projects (Single work order for each project) with cumulative amounting at least 1.5 Crores	Please refer final RFP
39	15	Technical Capability &	For Package 1: The bidder must have successfully Supplied and Installed 10 HSM to any Government bodies (Department/PSU/Banks)/ licensed Certifying Authorities under CCA, in not more than 2 Work orders. Work order(s) should be on or after 01.04.2018,	Request you to kindly convert this to: The bidder must have successfully Supplied and Installed 2 HSM to any Government bodies (Department/PSU/Banks)/ licensed Certifying Authorities under CCA, in not more than 2 Work orders. Work order(s) should be on or after 01.04.2018,	Please refer final RFP
40	15		The Bidder must have successfully completed or partially completed project with requisite amount, related to Supply / Development /FMS / Support of PKI based Software. One project (Single work order) amounting at least 1 Crores	We request you to confirm FMS support of Software or any hardware product will also justify in this.	Please refer final RFP