

Response to RFP Queries RFP No: NSIL/RFP/VCS-MCS/ 2024/01 dated 20 April 2024 for Supply, Installation & Commissioning of IT infrastructure and Software development for establishing Vessel Communication and Support System (VCS) for Monitoring, Control and Surveillance (MCS)

SN	RFP Volume & Section	RFP Page No.	Content in the RFP	Proposed content	Query/Clarification for Requested Change	NSIL Clarification/Response
1	Volume II: /3. 10G Switch:	126	4. Standards and Compliance -IEEE 802.1D (Bridging, STP), IEEE 802.1p (L2 Prioritization), IEEE 802.1AB (LLDP), IEEE 802.3 (10 BASE-T specification), sFlow, SNMP v3, RoHS Compliance.	4. Standards and Compliance -IEEE 802.1D (Bridging, STP), IEEE 802.1p (L2 Prioritization), IEEE 802.1AB (LLDP), IEEE 802.3 (10 BASE-T specification)/ 802.3ae 10 Gigabit Ethernet , sFlow, SNMP v3, RoHS Compliance.	As 10Mbps is obsolete now a days, specially in devices supporting 10Gbps. Please add more relevant "802.3ae 10 Gigabit Ethernet" as an option in the clause.	Equivalent/better specification can be provided
2	Volume II: /3. 10G Switch:	127	6. Warranty-5 years (3 years std + 2 years Extd. comprehensive onsite warranty) Advance Part replacement and HDD retention.	6. Warranty-5 years (3 years std + 2 years Extd. comprehensive onsite warranty) Advance Part replacement and HDD retention .	No hard disk has been asked in the switch. So, please change the clause as asked for relevant switch feature compliance.	Kindly consider this as typo error, HDD retention clause for 10G switch can be removed
3	Volume II: /4. 1G Switch	127	1. Architecture- Switch should have dedicated slot/Ethernet port for modular stacking, in addition to asked uplink ports. Should support for minimum 100 Gbps of stacking throughput with upto 2 switches in single stack.	1. Architecture- Switch should have dedicated slot/Ethernet port for modular stacking/ MLAG , in addition to asked uplink ports. Should support for minimum 100 Gbps of stacking/ MLAG throughput with upto 2 switches in single stack/ MLAG .	MLAG is an open standard and alternate to stacking. So, please add it as an option for Arista to participate.	stacking/MLAG can be offered
4	Volume II: /4. 1G Switch	128	3. Standards and Compliance-Switch should support Ipv6 Binding Integrity Guard/ dynamic Ipv6 lockdown, Ipv6 Snooping /ND snooping, Ipv6 RA Guard, Ipv6 DHCP Guard, Ipv6 Neighbour Discovery Inspection /RFC4861 Ipv6 Neighbour Discovery and Ipv6 Source Guard/ dynamic Ipv6 lockdown.	3. Standards and Compliance-Switch should support Ipv6 Binding Integrity Guard/ dynamic Ipv6 lockdown or equivalent feature , Ipv6 Snooping /ND snooping, Ipv6 RA Guard or equivalent feature , Ipv6 DHCP Guard or equivalent feature , Ipv6 Neighbour Discovery Inspection /RFC4861 Ipv6 Neighbour Discovery and Ipv6 Source Guard/ dynamic Ipv6 lockdown or equivalent feature .	As different OEM do same things differently and with defferent feature name. Please add "equivalent feature" for wider OEM participation.	Equivalent/better configuration can be provided
5	Volume II: /4. 1G Switch	128	4. Additional Feature-Switch must have the capabilities to enable automatic configuration of switch ports as devices connect to the switch for the device type. Switch may preferably have modular OS to support application 3rd party application hosting	4. Additional Feature- Switch must have the capabilities to enable automatic configuration of switch ports as devices connect to the switch for the device type . Switch may preferably have modular OS to support application 3rd party application hosting	Please remove OEM specific feature for wider OEM participation. Also as the switch will be used in a controlled and static environment, the feature will not provide any additional advantage.	RFP terms prevail
6	Volume II, Chapter 2, Para 3	88	Technical Details of CCS-Hub Baseband Software	Custom made smartphone application: Does the application need to be developed for Android or both Android and iOS platforms? based on this we need to decide on technologies to be used		Android (pls refer Pg No 104, User Interface Requirement)
7	Volume II, Chapter 2, Section 2.1	90	Network Details	Secure leased line - Secure VPN tunnel is ok, or any crypto devices are required?		Secure VPN tunnel is sufficient
8	Volume II, Chapter 2, Section 2.2	93	Features and Functional Requirements of NCP	Servers should be synced with NaviC enabled GNSS time. We need to position one GPS receiver and connect to at least one server.		Yes. NaviC enabled GNSS receiver for network time sync is to be provisioned by bidder
9	Volume II, Chapter 2, Section 2.2	93	Features and Functional Requirements of NCP	Solution should be certified on RHEL 8 or above OS - Please elaborate. Which module of the software need to be certified on RHEL OS?		NCP and NMS should be developed for deployment on servers hosting RHEL8 or above OS . No RHEL certification envisaged
10	Volume II, Chapter 2, Section 2.3.2	95	Functional Requirements of User NMS	GIS Map Server Module - Heat map View and Simple point view, Imagery basemap view: Does ISRO provides these maps? Does internet connectivity available to GIS Server?		Map layers can be provided. Open source map layers(Google, Openstreetmap,etc) can also be used. Internet connectivity will be there.
11	Volume II, Chapter 2, Section 2.3.2	102	Functional Requirements of User NMS	E-Trading - Internet required to forward to any other e-trading agency.		Restricted network connection with desired end-user agency will be provisioned
12	Volume II, Chapter 4, Section 4.1	112	GSAT-6 Data Centre at SAC, Ahmedabad (Mandatory)	SMS Gateway - Software solution: For integrating external SMS gateway, the server requires internet connection for sending SMS.		Restricted Internet connection will be provided
13	Volume II, Chapter 4, Section 4.1	112	Load Balancer for web application and database	Specification is missing		Bidder to propose suitable solution that will support the network requirements as per specified load

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SN	RFP Volume & Section	RFP Page No.	Content in the RFP	Proposed content	Query/Clarification for Requested Change	NSIL Clarification/Response
14	Volume II, Chapter 4, Section 4.1	112	SMS Gateway	Specification is missing		Bidder to propose suitable solution that will support the SMS forwarding to the extent of min. 5000 SMS per day. The solution should be scalable.
15	Volume II, Chapter 5, Annexure-I & Volume II, Chapter 4, Section 4.1	124	Rack mount server	Are rack mount server and data processing server the same ?		Yes
16	Volume II, Chapter 5, Annexure-I & Volume II, Chapter 4, Section 4.1	125 & 112	External Storage	Are external storage and Dual controller external storage the same ?		Yes
17	1.2 Scope of Tender	86	Supply, Installation & commissioning of IT Infrastructure, Operation and Maintenance support of existing CCS-Hub software solution and IT infrastructure (Refer table 4.1, Page 112) till GSAT-N3 becomes operational		Since this this is only HW delivery, installation and configuration of existing software and Loadbalancers will it be be handled by ISRO team.?	RFP terms prevail. (Includes Supply, installation, configuration and Support). Only Hub Software will be provided by ISRO. All other IT infrastructure (h/w & s/w) configuration and set-up like installation of other standard software, HA configuration, OS installation, load balancer set-up, etc has to be done by bidder.
18	4.2. Centralized Data Centre at INCOIS, Hyderabad (MANDATORY)	113	SMS Gateway Multi sim hardware OR software solution. In case of subscription-based services, vendor is responsible for purchase and renewal of the same In case of hardware, vendor is responsible for purchase of SIM cards, its activation and recharge		What will be expected number of SMS per month? Multi SIM SMS gateway hardware solution may not be suitable because of 200 SMS/SIM restriction by TRAI.	Bidder to propose suitable solution that will support SMS forwarding to the extent of min. 5000 SMS per day. The solution should be scalable.
19	4.4. Data Backup and Recovery Site (Mandatory) at Delhi	116	Server, Security devices: Firewall / UTM devices	Since this infrastructure will be used for Data backup activity only, can it be a downgraded specifications		RFP terms prevail
20	4.2. Centralized Data Centre at INCOIS, Hyderabad (MANDATORY)	114	Leased Line	Instead of Leased Line , NKN connectivity can be established.		RFP terms prevail
21	2.3.2 Functional Requirements of User NMS Situation Awareness Alerts, Alarm Generation and Management	100	Provision for sending alerts in SMS / emails to registered users		Is it required to buy email Service by vendor or will it be provided by NSIL/DoF.	Bidder to provide e-mail service
22	2.3.5 NMS Website Security Requirements	107	The NMS website & smartphone application shall undergo VAPT security audit (CERT-IN security audit) by authorized / CERT-In empaneled external agency to ensure that it is not vulnerable to security threats when hosted over Internet/Intranet.		Who will bear the certification cost?	Bidder to provide and bear the cost
23	3.1 Detailed Scope of Work Hub baseband Software	110	Operations and Maintenance Activities: O&M of CCS Hub: Vendor shall provide (24x7) resolution of all software bugs during warranty period and shall agree for addition of new features in software arising during operational phase based on user feedback and network operational requirements.		Fixing of bugs shall be in the scope. Any new feature requirements post installation shall call for change request	RFP term prevails
24	Annexure-I 1. Rack mount Server	124	5 years (3 years std + 2 years Extd. comprehensive onsite warranty) with Advance Part replacement and HDD retention		Warranty start date ??	After successful acceptance of the respective System

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25	Vol - I Section 3.3	18	Satisfactory completion certificate from the customer is necessary to substantiate the experience.	We request you to kindly consider partial completion certificate issued by the customer as well as a valid supporting document.	Some projects like smart cities are long-duration projects. Accepting a partial completion certificate will enable more bidders to qualify for the tender and NSIL will get the advantage of comprehensive technical and competitive commercial proposals.	RFP term prevails
26	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	125/167	6. Cache Min. 32 GB memory spread across both controllers. Minimum 960GB SSD read cache	6. Cache Min. 32 GB memory spread across both controllers. Minimum 960GB SSD read cache should be added in addition to 500TB usable capacity.	Modifying point as mentioned will help clarify if cache should be provisioned from day one or supported.	RFP term prevails. Read cache to be provisioned from day one and is in addition over the min. 500TB usable capacity
27	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	1255/167, 126/167, 127/167, 128/167	5 years (3 years std + 2 years Extd. comprehensive onsite warranty) warranty with Advance Part replacement and HDD retention.	N/A	Please clarify if warranty should be quoted upfront for 5 years or not. Also request to clarify on 'advance part replacement' - should any spare drives be provided?	5 years of upfront warranty to be quoted Advance part replacement-In case of any part failure, it should be replaced. No spare part to be provided.
28	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 88	Custom made smart-phone application		It is understood that distribution of app will be done through NMS web application only. Kindly confirm.	Distribution of App will be through well-defined interface. Will be finalised during design review
29	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 88	NMS web application		Provision of IP address, domain name etc required for hosting of NMS application is the responsibility of Bidder. Kindly confirm.	Yes
30	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 88	NMS web application		Integration with Internet to be done directly through Firewall. No router is envisaged for integration. Kindly confirm.	Yes. Bidder can propose suitable solution based on network requirements
31	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 90	Data Backup and Recovery Site		Leased Line for Data Backup and Recovery Site is not included in BoM. Kindly confirm.	It has to be provisioned by the bidder. Added in Corrigendum.
32	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 92	Data Forwarding		What is expected to secure the link. Kindly clarify.	VPN with encryption/ data encryption
33	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 93	NavIV Enable GNSS Time		Does bidder need to provision external NavVIC enabled Time Server. Kindly confirm.	Yes. Added in Corrigendum
34	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 105	Multilingual support		What all languages are required to be supported?	NMS should be developed in English & Hindi
35	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 108	Reuse of Module		Some of the software modules can be very standard and can be used in other applications. Requirement may please be reviewed.	RFP terms prevail for all specific modules developed for this project apart from standard/generic modules which are not application specific
36	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 110	New features in software.		Addition of New features in Software during warranty period is an open ended scope. Scope should be finalized in SyRS during DDR stage.Requirement may please be reviewed.	RFP terms prevail
37	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 110	Para 10 Note section		Requirement for Engineer for support activities should be fixed. Requirement may please be reviewed.	One Engineer in single shift to be deployed to support the services on 24X7. Note: On need/requirement basis the shifts may be further extended to 2 shifts or 3 shifts per day.
38	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 121	Table A. Para 7		Upper limit for final ATP may be indicated in case of any delay in availability of GSAT-N3 Satellite or Gateways.	T0+44 or Availability of GSAT-N3, whichever is later
39	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 126	10G Switch Architecture		Kindly clarify 28T X10T is 28 x 10GT Copper Port or Optical. If this 10G Optical/copper why there is need of 40G Optical Transceiver. Requesting you to please help understand.	28 x 10GT is Copper Port 2x40G Optic is for uplink.
40	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 127	1G Switch Architecture		Multigigabit uplink port has limitation on distance. 1/10G port with transceiver factor based on requirement will give more flexibility during implementation. Kindly consider the amendment.	RFP terms prevail
41	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 129	UTM Required Throughput 8Gbps and above		We understand that 8 Gbps Throughput is with Application Visibility control and IPS (deep packet inspection). Kindly confirm.	Yes. 8Gbps or above Throughput is with AVC and IPS

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42	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 129	UTM Connection/Sec: 330,000		Requesting you to please confirm whether 330,000 Connection/Sec is at Layer 4 or Layer 7? If this is layer 4 requesting you to please add the layer 7 Connection/Sec Value. It may be noted that nos of connection at higher Layers generally get dropped at NGFW being at full capability	Connections/sec is at Layer 4.
43	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 129	UTM Concurrent Connections: 4M and above		We understand that the concurrent connections asked is for the visibility at Layer 3/4 only. Kindly confirm.	Yes it is for Layer3/4
44	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 130	UTM VPN Connection Must captive Portal Required		Every OEM has different Architecture to support VPN.VPN should not be restricted to captive port VPN. It is requested to amend it to "VPN Connection through Captive Portal or through Client/Clientless".	Feature similar to captive portal can be proposed
45	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 130	UTM Power Supply		Kindly confirm if the Power supply is required to be Hot Swappable.	Hot swappable is required
46	NSIL/ RFP/ VCS/ MCS/ 2024/ 01	Page 129-130	UTM		It's recommended to have a Management solution for managing all UTMs. Kindly review and confirm if it is to be considered.	Any configuration equivalent/better than what is stated can be provided that will ease the network operations and device management
47	Vol I, 3. Chapter 3: Instructions to bidders 3.1. General point (d)	17	Sealed bids shall be received by the Authority at the address indicated in the schedule of the Bidding Process before the time and date specified in the schedule of the Bidding Process.		As the tender is published on Central public procurement portal, Ref 2024_NSIL_753691_1, is it mandatory to submit the hardcopies of the bids and bids in Digital Media to NSIL.	Yes, It is Mandatory to submit the Hardcopies of the bids to NSIL
48	Vol I 3.3. Eligibility Criteria	18	Indian Company with Software development and IT service provider background with following eligibility criteria are invited to bid for the project.	Indian Company and societies/organisation of Government of India with Software development and IT service provider background with following eligibility criteria are invited to bid for the project.	We are registered scientific society of Government of India under Ministry of Electronics and IT. We request inclusion of societies into the eligible organisations to bid for the project.	Indian Company and societies/organisation of Government of India are allowed to participate in the bidding process.
49	Vol I Section 3.6 Authentication of Bids, point (b)	20	Bid should be accompanied by an authorization in the name of the Authorized Signatory of the Bid. The authorization shall be in the form of a written power of attorney accompanying the Bid as per the attached format in Volume I Annexure 7.3 of this RFP	Bid should be accompanied by an authorization in the name of the Authorized Signatory of the Bid. The authorization shall be in the form of a written power of attorney/ Deligation of Powers accompanying the Bid as per the attached format in Volume I Annexure 7.3 of this RFP	As we are a government society, we have the deligation of powers to the representative authorized to sign the bid document. We seek inclusion of deligation of powers in this section.	Delegation of Power document/supporting document authorising the signatory to be submitted along with bid document.
50	Vol I 3.13. Bid Validity Period point (a)	22	Bid shall remain valid for a period of 180 days from the bid submission date.		In Section 4.2, point (c), vii. It is mentioned that bids will be treated non responsive if, "With a validity period less than 90 days"	Bid Validity Period is 180 days from the bid submission date. It is mentioned that bids will be treated non responsive if, "with a validity period less than 180 days"
51	Vol I Section 3.15. Bid document costs point (a)	23	The cost of the bid document is Rs.5900/- (Five Thousand Nine hundred only) inclusive of GST at 18%.		We request waiver of bid document cost being MSME organization of Govt of India.	All the MSME rules are applicable for this tender also on submission of valid MSME documents.
52	Vol I 3.16. Contents of Bid point (a)	23	Under the Bidding Process, Technical Bid of the Eligible Bidders shall be examined with respect to the Technical and Financial Capacity as indicated in Volume I Section 3.17 of this RFP. For the Technically Qualified Bidders, the Financial Bid (Envelope B) shall be opened and the Bidder with the Lowest quote shall be identified as L1 Bidder.		As this is a complex and sensitive project, we request to go for the QCBS tender evaluation so that the quality of technical proposal gets proper weightage.	RFP term prevails.
53	Vol I 3.16. Contents of Bid point (b)	23, 24	The contents of the technical bid and financial bid shall also be submitted in digital format along with the signed physical copy of the documents in the same envelope as the technical bid and financial bid respectively. The digital media shall be superscribed with the name of the bidder and the documents inside the digital media should be password protected, the enquiry reference number and the name of the respective bid		Specification/ type of digital media is not mentioned. Can the bid in digital format be submitted in USB flash drive or DVD.	No, Submission in digital format such as USB flash drive or DVD not acceptable. submit the hardcopies of the bids to NSIL.

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54	Vol I 3.17.1. Technical Bid Point 7	25	Power of Attorney for Signing the Bid The Bidder shall submit A power of attorney to a representative of the Bidder naming the individual as an Authorised Signatory as per the format indicated in Volume I Annexure 7.3 of this RFP	Power of Attorney/ Deligation of Powers for government organisations for Signing the Bid The Bidder shall submit A power of attorney to a representative of the Bidder naming the individual as an Authorised Signatory as per the format indicated in Volume I Annexure 7.3 of this RFP	As we are a government society, we have the deligation of powers to the representative authorized to sign the bid document. We seek inclusion of deligation of powers in this section.	Delegation of Power document/supporting document authorising the signatory to be submitted along with bid document.
55	Vol I 3.17.1. Technical Bid Point 8	25	Legal Status of the Bidder The Bidder shall be registered in India under Companies Act, 1956 or as amended. The Bidder shall submit • Copy of Incorporation/ Registration certificate • Copy of PAN card • Copy of GST registration	Legal Status of the Bidder The Bidder shall be registered in India under Companies Act, 1956 or as amended or a registered government society. The Bidder shall submit • Copy of Incorporation/ Registration certificate or Society registraion / MOA • Copy of PAN card • Copy of GST registration	As CDAC Is a registered society of Govt. of India, we seek Society Registration/ MOA to be incorporated in the list of documents to be submitted.	The Bidder shall submit • Copy of Incorporation/ Registration certificate or Society registraion / MOA , if applicable
56	Vol I 3.17.1. Technical Bid Point 9	26	Status of Ownership and Control of the Bidder The Eligible Bidder shall be legal entities owned by Resident Indian citizens with at least majority of the Board of Directors being Resident Indian citizens The entity/entities bidding as the lead bidder may be a One Person Company (OPC), Private or Public Company, Listed or Unlisted Company registered in India, who is a legal entity as above A Company would be deemed to be owned by Indian Citizens, if more than fifty (50) percent of equity shares of the Company are owned by Resident Indian Citizens or Companies and/or LLPs registered in India that are, in turn, ultimately owned and controlled by Resident Indian Citizens	Status of Ownership and Control of the Bidder The Eligible Bidder shall be legal entities owned by Resident Indian citizens with at least majority of the Board of Directors being Resident Indian citizens The entity/entities bidding as the lead bidder may be a One Person Company (OPC), Private or Public Company, Listed or Unlisted Company registered in India, who is a legal entity as above A Company would be deemed to be owned by Indian Citizens, if more than fifty (50) percent of equity shares of the Company are owned by Resident Indian Citizens or Companies and/or LLPs registered in India that are, in turn, ultimately owned and controlled by Resident Indian Citizens or Registered societies of government of India	We request Inclusion of Registered Societies of Government of India.	Indian Company and societies/organisation of Government of India are allowed to participate in the bidding process.
57	Vol I 3.17.1. Technical Bid Point 15	27, 28	Requisite Statutory and Regulatory Licenses to operate required facilities The Bidder shall submit 1. Factories License 2. Labour License 3. Registration with EPFO 4. Any other relevant license/permission		We seek exemption from submission of factories and labour licence as we are not running a factory.	Declaration stating that the Societies of Government of India are aexempted from Factories License & Labour License
58	Vol I 3.18. Earnest Money Deposit (EMD)	30	a. EMD of Rs. 20,00,000 (Twenty Lakh rupees only) shall be made through Bank Guarantee in favour of "NewSpace India Limited.". b. No exemption for submitting the EMD will be given to any agency. EMD in any other form will not be entertained.		We are a MSME and EMD is exempted for us in all of the tenders as per the notification of Department of Expenditure, Ministry of Finance. Hence, our request is to remove this clause for MSME bidders.	All the MSME rules are applicable for this tender also on submission of valid MSME documents.
59	Vol I 4.1. Opening of Bids point (C)	31	There will be two bid-opening events i. Technical bid opening ii. Financial bid opening		As this is a complex and sensitive project, we request for the QCBS tender evaluation and inviting the qualified bidders for presenting their technical solution.	RFP tender terms prevails
60	Vol I 6.3. Performance Bank Guarantee (PBG)	39	Within fifteen (15) working days from the date of issuance of Purchase order, the selected parties shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority.		Being a government organisation and MSME, we seek the exemption form Performance Bank Guarantee in case of award of contract.	Performance Bank Guarantee (PBG) applicable to All the bidders , irrespective of type of Organisation
61	Vol I 7.4. Bidder Profile point B and C	51	Share Capital and Summary of Shareholding Pattern of the Bidder.		We request to make it optional as we being the society of government of India do not have such provision.	Declaration on Society share holding pattern shall be provided

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62	Vol II 1.1. Network Description	86	Presently, Hub Software is developed by SAC/ISRO and is operational from SAC, Ahmedabad with GSAT-6 satellite. It will continue to operate till GSAT-6 End-Of-Life. Post this, the new Hub Software developed by the successful bidder, as per specifications given in this RFP, will be operationalised from Central Data Centre at INCOIS, Hyderabad with GSAT-N3 satellite.		What is the date of GSAT 6 going to be End of Life.	2025
63	Vol II 1.1. Network Description	85	The block diagram of the proposed MSS network and its configuration to meet the requirements of monitoring of maritime assets and Emergency communication is shown in Figure 1.		The MSS Terminal will be connected to Mobile app on the vessel through Bluetooth for configuration and operations which is shown by blue link. Is the Mobile app of MSS terminal also connected to satellite as shown by orange broken line in the diagram.	No. Mobile app of MSS terminal is only connected to MSS terminal.
64	Vol II 2.1 Network Details State Data Centre (optional):	90	Although centralized data repository is maintained at Centralized Data Centre, INCOIS, data can also be disseminated to states and archived at designated State Data Centre (SDC) if required. Only the data pertaining to that state will be given to maintain data privacy. Data will be disseminated through secure leased line/Internet/Intranet connection with minimum 10Mbps speed. Data transfer will be done through well-defined interface. It will include robust application and data replication/synchronization mechanism implementation to maintain consistency across the central and state databases. In case the states require to maintain their own data, then separate IT infrastructure on a scaled down version to be maintained. This is an optional item.		Are State Data Centre (SDC) the same which have already been set up by State Governments and bidder needs to quote for infrastructure to be installed in State Data Centre of State Govt. or these SDCs are specific to the current project. ? Though this is optional components, the clarity is required to estimate and propose the costing	SDCs are specific to the current project.
65	Vol II 2.1 Network Details Data dissemination to Central Agency:	90	Data dissemination to Central Agency: All the vessel position reporting data has to be forwarded to Central Agency (Delhi) for their internal analysis. This data shall be converted to suitable format before forwarding over TCP/IP interface. Secure leased line with min 10Mbps speed shall be established for the same.		Is Procurement of 10Mbps speed secure leased line under the scope of bidder or NSIL?	Under scope of bidder Refer Chapter 4: List of Deliverables, Para 4.2.Centralized Data Centre at INCOIS, Hyderabad (MANDATORY),pg 113
66	Vol II 2.1 Network Details Data Centre and IT infrastructure	91	SMS gateway / Email Server		SMS services will be under the scope of the bidder or NSIL will procure the SMS services. Similarly is email server in place or bidder has to provision.	SMS service is under scope of bidder. Refer Chapter 4. List of Deliverable Email service also has to be provisioned by the bidder. Refer corrigendum
67	Vol II 2.1 Network Details Data Centre and IT infrastructure	91	The Supply & Installation & commissioning of IT Infrastructure, Operation and Maintenance support of existing CCS-Hub software solution and IT infrastructure should be provisioned from present location till GSAT-N3 becomes operational and till the operational services are shifted to Central Data Centre at INCOIS		Clarity is required in the current setup of CCS Hub software solution and IT infra. As the current setup and installation is in Place for GSAT-N6 at Ahmedabad, is bidder required to procure the infrastructure for the same or extend the AMCs etc. ? Details of current infrastructure and setup/deployment are required.	Pls refer Chapter 4: List of Deliverables 4.1. GSAT-6 Data Centre at SAC, Ahmedabad (MANDATORY) Pls refer 1.2 Scope of Tender, Point No 1. Supply, Installation & commissioning of IT Infrastructure, Operation and Maintenance support of existing CCS-Hub software solution and IT infrastructure till GSAT-N3 becomes operational is part of scope of work to be fulfilled by bidder For current GSAT-6 setup, only software will be provided. All other IT infrastructure has to be delivered, installed,commissioned and maintained by the bidder
68	Vol II 2.2. Features and Functional Requirements of NCP	92	Data forwarding • Data forwarding to NMS through TCP/IP (if this mode is designed) • Data formatting & forwarding to State data centre through secure link with suitable formatting (TCP/IP, FTP, etc) • Data formatting & forwarding to Special User through secure link with suitable formatting (TCP/IP)		As the SDC setup is option and the costing proposed for the same will not be considered for identifying L1, the scope for the data forwarding to SDCs is kept under the NCP Features. Please clarify	NCP should support this feature mandatorily. ONLY the IT infrastructure for SDC is optional

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SN	RFP Volume & Section	RFP Page No.	Content in the RFP	Proposed content	Query/Clarification for Requested Change	NSIL Clarification/Response
69	Vol II 2.2. Features and Functional Requirements of NCP	93	Solution should be certified on RHEL 8 or above OS.		As RHEL is "enterprise" open source operating system, other linux versions like latest versions of Ubuntu should also be included in the OS list.	RFP terms prevail
70	Vol II 2.2. Features and Functional Requirements of NCP General Features	93	Solution should be certified on RHEL 8 or above OS.		Kindly clarify the certification ?	All software should be developed keeping in view that final deployment will be on servers hosting RHEL8 or above
71	Vol II 2.3.2 Functional Requirements of User NMS Map Overlays	96	Display of vessel location on different GIS basemap The vessel location shall be displayed on GIS map with option of using various basemaps. Basemap consist of a background of geographical context. Operators can change the basemap of the current map any time by selecting the suitable basemap from gallery. eg Map Overlays Map should display various overlays like Cyclone path, fishing harbour, fish landing centre, fish landing point, IMBL, 5NM, 12 NM, Restricted geofence, PFZ, IMD region, weather alerts, etc		Will GIS Basemap and Map Overlays be provided by NSIL ?	Map layers will be provided. Open souce map layers (Google, Openstreetmap,etc) should also be incorporated. Static Map Overlays(Eg. IMBL,12NM, etc) will be provided. Dynamic Map Overlays (Eg. PFZ, Cyclone,etc) have to be generated daily based on information gathered from other systems User defined Overlays (Eg.Restricted Geofence,etc) will be based on information entered by end-user using suitable interface in NMS
72	Vol II Situation Awareness Alerts, Alarm Generation and Management	100	Generate alerts for terminal switch off/on, cover opened, power disconnection, vessel speed, vibration, temperature alerts, etc		Will this information be available through NCP to NMS.	Terminal will send this data in specific message packet which NCP will process and archive in database. NMS should have suitable feature to display alerts/generate alarm to alert the end-user
73	Vol II 2.3.5 NMS Website Security Requirements	106	NMS web-application and smartphone app software should comply with latest GIGW guidelines.		Is web application required to be in bilingual also?	Yes, NMS should be in both English and Hindi
74	Vol II 2.4 General Requirements of Hub Software	107	The vendor has to generate training material in audio-visual form for all users. The vendor has to provide adequate training for NMS operation and maintenance touser agencies. The vendor has to depute one software engineer to provide trainingand support during initial operations for a period of 2-3 days as part of NMSsoftware deployment plan to 9 states, 4 UTs & 2 Central Locations of DoF. Thetraining may be required to be conducted in 2 sessions at each location. It ispreferable to be clubbed with monitoring station deployment plan and cost of training should be part of NMS development cost.		Training requirement for how many users. Will NSIL provide infrastructure required for training activity.	RFP Term Prevails. NSIL/DoF will decide on training requirements & number of user participation.
75	Vol II 3.Chapter 3: Detailed Scope of Development and Project Execution 3.1 Detailed Scope of Work Hub baseband Software point (10)	110	Vendor shall provide (24X7) resolution of all software bugs during warranty period and shall agree for addition of new features in software arising during operational phase based on user feedback and network operational requirements. O&M of existing GSAT-6 Hub		The scope of new features is not defined. Is it to be taken up as CCN?	New features in software arising during operational phase based on user feedback and network operational requirements
76	Vol II 3.1 Detailed Scope of Work Hub baseband Software Table 1: Scope of work of Hub baseband Software (NCP & NMS)	111	Provide 24x7 technical support as and when required during warranty period. One Engineer in single shift to be deployed to support the services on 24X7. Note: On need/requirement basis the shifts may be further extended to 2 shifts or 3 shifts per day.		This needs clarification. One person on a single shift can not give 24*7 technical support.	RFP term prevails

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SN	RFP Volume & Section	RFP Page No.	Content in the RFP	Proposed content	Query/Clarification for Requested Change	NSIL Clarification/Response
77	Vol II 4. Chapter 4: List of Deliverables 4.1. GSAT-6 Data Centre at SAC, Ahmedabad (MANDATORY)	112	List of Deliverables		Is the bidder required to procure all the infrastructure listed under this section in the table? As this is existing setup which is going to be replaced by new system, is procuring this infra and maintenance required	Yes all the mentioned infrastructure has to be procured and maintained by the bidder. Refer Para 1.2 Scope of Tender, Pg No 86, Point No 1.
78	Vol II 3.1 Detailed Scope of Work Hub baseband Software Table 1: Scope of work of Hub baseband Software (NCP & NMS)	109	Submit a comprehensive list of deliverables along with the offer with price masked for the proposed configuration. Provide requirement of space for equipment, electricity and thermal load, air-conditioning etc.		Is the list of Infrastructure deliverables, i.e. Server, switches etc given in RFP indicative and the bidders can propose their proposed infrastructure items and configurations.	RFP terms prevail however any configuration equivalent/better than what is stated in RFP can be provided to meet system requirements and to ensure compatibility between all sub-systems
79	Vol II 5.2.1.1 IT Infrastructure	120	Note-2: In Case, Equipment couldn't be installed after 60 days from the due date of delivery & installation of complete equipment at each site; due to reasons attributable to NSIL/DoF/end User then 80% payment of the value of delivered equipment(s) will be released after equipment (s) verification and 20% payment of the value of delivered equipment(s) will be released after successful installation commissioning and acceptance by NSIL /DoF.		In case of delay in installation due to readiness from NSIL/DOF/End User, the remaining payment of 20% should also be paid to the bidder after inspection of the equipments.	RFP term prevails
80	Vol II Annexure-I	124	Technical specification details of Server, Storage, Networking Components, Rack, KVM, Workstation and Display 1. Rack mount Server		Is there any Make in India clause applicable on these hardware infrastructure procurement.	Yes
81	Vol III 1.16. Warranty & Comprehensive AMC A. Warranty point (b)	144	Bidder should maintain sufficient spares for all critical components and should provide support such that the typical downtime for every occurrence should not be more than 4- hours.		Kindly confirm that the spares of critical components are to be maintained for Data Centre Infrastructure only. Keeping spares for workstations at network monitoring stations at 70 locations is not feasible.	RFP terms prevails
82	Vol III 1.16. Warranty & Comprehensive AMC A. Warranty point (n)	146	Service Level Agreement (SLA) will be signed with successful bidder/Vendor, the non-SLA compliance penalty i.e., Liquidated Damages (LD) will be levied in case if the defect not resolved in the admissible period as tabulated below to meet contractual requirements		Proposed LD penalty is too high. We request to reduce the same and limit upto 10% of the value of concerned device/service.	RFP term prevails
83	Vol III 1.24. Transfer of ownership point(a)	155	For any pre-existing work, the Vendor and the NewSpace India Limited shall be held jointly responsible and its use in any other project by Vendor shall be decided on mutual consent		Kindly clarify this clause. Is it referring to pre-existing work of NSIL or Vendor?	NSIL work
84	Vol III 2.9. Consequence of Termination point (a)	163	In the event of termination of the Contract due to any reason the Authority shall be entitled to impose any such obligations and conditions and issue any clarifications as may be necessary to ensure an efficient transition and effective business continuity of the project which Vendor shall be obliged to comply with and take all available steps to minimize loss resulting from that termination/ breach, and further allow and provide all such assistance to the Authority and/ or the successor agency/ service provider, as may be required, to take over the obligations of the Vendor in relation to the execution/ continued execution of the requirements of the Contract.		Scope of obligation and conditions should be derived mutually between NSIL and Vendor.	RFP term prevails

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SN	RFP Volume & Section	RFP Page No.	Content in the RFP	Proposed content	Query/Clarification for Requested Change	NSIL Clarification/Response
85	Vol III 2.9. Consequence of Termination	164	The Vendor shall be responsible for all defects and deficiencies in the Project for a period of 180 (One hundred and eighty) days after Termination, and it shall have the obligation to repair or rectify, at its own cost, all defects and deficiencies observed by the Authority in the Project during the aforesaid period.		Need Clarification	RFP term prevails
86	Vol II "5.2.1.2 Software a) Payment for Hub software will be made as follows: Sr. No Software Development Milestone "	120	2. First Release of Hub Software with CERT-In Security Certification and successful ATP completion in simulated environment Approved by ISRO/NSIL. 65%		As this stage consist of complete development, functional and security testing, we request for further breaking up the milestone as : 40 % payment on successful implementation and submission of software to NSIL for User acceptance test. 25% on successful security Certification from Cert-in empanelled agency. (As this milestone requires onboarding and work from third party auditor)	RFP term prevails
87	Vol II 5.2.1.2 Software a) Payment for Hub software will be made as follows:	120	3. Successful ATP in satellite link (with GSAT-N3), Software Installation and Operationalization with GSAT-N3 Approved by ISRO/NSIL and Operator training after certification from NSIL/DoF 20%		As the GSAT-N3 Operationalization date is not fixed yet and this payment milestone is dependent on the GSAT-N3 operationalization by ISRO/NSIL (T0+44 or Availability of GSAT-N3 whichever is later[as mentioned in Development Schedule (Hub baseband Software) page at page 122] , this may delay this payment in case of delay in operationalization. We request to fix a date of GSAT-N3 operationalization to safeguard the interest of bidder. In case of delay from ISRO/NSIL, this 20% payment should be released to vendor.	RFP term prevails

General RFP queries for RFP No: NSIL/RFP/VCS-MCS/ 2024/01 dated 20 April 2024 for Supply, Installation & Commissioning of IT infrastructure and Software development for establishing Vessel Communication and Support System (VCS) for Monitoring, Control and Surveillance (MCS)

SN	Vendor Query with Clarification requested	NSIL Clarification/Response
1	Bid submission extension Since its turnkey solution and we need to get inputs for various systems suppliers and vendors and technical proposal preparation needs time , we need at least 3 weeks extension for bid submission	Please keep visiting the NSIL website for further updates in this regard
2	request to allow Consortium Partners to participate in this tender as the scope involves three different components. We believe a Consortium would bring more than one expertise to join their forces to execute and give a better result to this highly important national project.	RFP term prevails