

Response to RFP Queries_Part-2 RFP No: NSIL/RFP/HUB/VCS-MCS/ 2024/02 dated 16 March 2024 for Ground Segment Hub for Maritime Asset Monitoring including Civil,Electrical and Environmental Infrastructure						
SN	RFP Volume & Section	RFP Page No.	Content in the RFP	Proposed content	Clarification for requested change	NSIL Clarification/Response
1	Volume -II / Chapter-7	7.1(a)	Indian Vendors, as per Order No. P-45021/2/2017-PP(BE II) dated 04.06.2020 issued by Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India [copy attached-Annexure IV] and with minimum 5 yrs. past experience in design and development of RF and digital system of similar type of projects only are requested to quote for this RFP. Vendors are requested to provide necessary documentary proof along with their bids.	-	Kindly clarify the following: a) Please clarify if the RFP is limited to Class-I/II local supplier only or non-local supplier can also participate b) Whether preference to Class-I and Class-II local Supplier is available as per Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020? c) Whether Non - Local suppliers as per MII order dated 04.06.2020 are eligible to participate in the bid?	In accordance to guidelines of Gol issued vide no. P-45021/2/2017-PP (B.E.-II) dated 16th Sep 2020, in order to encourage make in India and promote manufacturing and production of goods and services in India, preference will be given to domestically manufactured equipment envisaged to be procured through this tender. a) RFP is not limited to Class I/II local supplier, non-local supplier can also participate b) Yes, preference to Class-I and Class-II local Supplier as per the aforementioned Gol guidelines applicable. c) Yes, Non - Local suppliers are eligible to participate <b>Note:</b> Relevant documents for Preference to Make in India(PMI) & Local Content(LC) to be submitted by the bidder.
2	Volume -II / Chapter-6	6.1/ 119	Item Description: 3. Brust demodulator - 80 nos. 6. Satellite Gateway Unit (SGU)	-	We understand that these equipment are developed by SAC, ISRO for MSS Project. Kindly provide OEMs' detail for these products, as there are not available with prominent OEMs of Satellite equipment.	" The TDM modulator and Burst Demodulators are available as COTS item from the list of suppliers ( Refer Page-3 of 3 of <b>Annexure-A</b> ). The list includes most prospective suppliers and not exhaustive. The list includes TT holders for Burst Demodulator from ISRO as well. Although it is preferable to use COTS solution from the list of suppliers, as an alternative to COTS solution, prospective bidders may opt for a SDR based hardware solution (Block diagram and specification given in Page-1, 2 of 3 of <b>Annexure-A</b> ) wherein Burst modem firmware will be ported by NSIL/ISRO team and demonstrated once. This is subject to terms that bidders will be solely responsible for the in-field performance of system without any obligation to NSIL/ISRO. This will be for on a one-time support basis and all the IP rights will remain with NSIL/ISRO, subject to indicating the preference prior to bidding and undertaking on in-field performance guarantee. TDM modulator should always be off the shelf solution. <b>Note</b> - Refer <b>Annexure-A</b> in corresponding tender section
			TDM Modulator and Bust Demodulator	-	Since these are customized systems under TOT by ISRO, we request the product developed OEM's has to support other bidders in providing the systems.	
3	Volume I Chapter 3 Clause 3.8		Earnest Money Deposit (EMD) 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.		Sir, We are a MSME company and it is been noticed that the 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.	MSEs tender specific rules are also applicable for this tender. Also, MSEs need to submit Bid Security Declaration Format(On Bidders Letterhead) . <b>Note:</b> Bid Security Declaration format uploaded in corresponding tender section
4	Volume -II / Chapter-2	Figure-3/Page 88	Ethernet Switch Figure-3 Block Diagram for HUB baseband Subsystem	Ethernet Switch 1G	a) Ethernet Switch 1G, Deliverable ? b) Ethernet Switch quantity b) Ethernet Switch Configuration.	a) Yes, Ethernet Switch part of Deliverable. b) Ethernet Switch 1G - <b>04</b> Nos( 2 online and 2 spare) c) Refer - <b>1G Switch Specifications listed in Table-1</b>

Table-1 : 1G Switch Specifications		
SN	Item/Features	Specifications
1.	Architecture	Switch shall have 48 nos 1000 Base-T ports and additional minimum 2 nos. 10G Multigig uplinks ports.
		Switch should have minimum 2GB RAM and 8 GB Flash.
		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.
2.	Layer2/ Layer3 Features	Switch shall have minimum 176 Gbps of switching fabric and 130 Mpps of forwarding rate.
		Switch shall have minimum 32K MAC Addresses and 1000 active VLAN.
		Should support minimum 8K IPv4 routes or more and 4K IPv6 routes or more
		Switch shall have 1024 or more multicast routes
		Switch should have 8MB or more packet buffer.
		Should must have advance Layer 3 protocol like BGPv4, BGPv6, VRF, VXLAN, OSPFv3, MP-BGP

SN	Item/Features	Specifications
3.	Standards and Compliance	<p>Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3,802.3u, 802.3ab, 802.3z &amp; 1588v2/NTP.</p> <p>Switch must have functionality like static routing, PIM, OSPF, VRRP, PBR and QoS features from Day1</p> <p>Switch shall have 802.1p class of service, marking, classification, policing and shaping and eight egress queues.</p> <p>Switch should support management features like SSHv2, SNMPv2/SNMPv3, NTP, RADIUS and TACACS+</p> <p>Switch should support Ipv6 Binding Integrity Guard/ dynamic Ipv6 lockdown, Ipv6 Snooping /ND snooping, Ipv6 RA Guard, Ipv6 DHCP Guard, Ipv6 Neighbour Discovery Inspection /RFC 4861 Ipv6 Neighbour Discovery and Ipv6 Source Guard/ dynamic Ipv6 lockdown.</p> <p>Switch should support 802.1x authentication and accounting, Ipv4 and Ipv6 ACLs and Dynamic VLAN assignment</p> <p>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</p> <p>Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment. Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.</p>
4.	Additional Feature	<p>Switch must have internal hot-swappable Redundant Power supply from day 1.</p> <p>Switch should be 1U and rack mountable in standard 19" rack.</p> <p>Switch should have redundant hot swappable fans.</p> <p>The switch should be able to configure Active+Active configuration to offer ISSU/ Stacking like functionality which allow zero downtime of network which is required while executing firmware upgrade etc.</p>