

RFP for Upgradation (replacement/upgrade) and procurement of Comprehensive Annual Maintenance Contract (CAMC) & FMS of WS&APS Phase 1 Project in State of Rajasthan for 5 Years

**NIB Reference No.: F4.3(613)/RISL/Tech/2024/2193
Response to Pre-bid Queries**

Sr. No.	Page No.	RFP Clause Reference	Existing Clause	Query/Suggestion/ Clarification	Response by RISL
1	111	Item: Radio Setup	The Radio should operate in the frequency Range 4900-6200 MHz and be restricted by country of operation.	The Radio should operate in the frequency Range 5150-6425 MHz and be restricted by country of operation.	Please refer updated RFP
2	111	Item: Radio Setup	The Radio should support Channel Bandwidth of 20, 40, and 80 MHz and must be user configurable. The Radio should support Channel Resolution of 5 MHz	The Radio should support Channel Bandwidth of 20/40/80/160 MHz and must be user configurable. The Radio should support Channel Resolution of 5 MHz	As Per RFP
3	111	Item: Radio Setup	The Radio should support 2x20, 2x40 and 2x80MHz non- contiguous channel (4-Streams). The parameters must be user configurable.	The Radio should support 2x20, 2x40, 2x80, 2x160 MHz non- contiguous channel (4-Streams). The parameters must be user configurable.	As Per RFP
4	111	Item: Radio Setup	Modulation: The Radio should support OFDM MIMO 4x4 with BPSK, QPSK, 16QAM, 64QAM and 256QAM modulations.	Modulation: The Radio should support OFDM MIMO 4x4 with BPSK, QPSK, 16QAM, 64QAM, 256QAM, and 1024 QAM modulations.	As Per RFP
5	112	Item: Radio Setup	Software Upgradation: Radio System should support the upgradation of firmware/software over the air Radio System should support Bulk software upgrade of multiple site equipment. Radio system should support configuration backup. Alarm indication or notification for software incompatibility	Software Upgradation through NMS: Radio System should support the upgradation of firmware/software over the air Radio System should support Bulk software upgrade of multiple site equipment. Radio system should support configuration backup. Alarm indication or notification for software incompatibility	As Per RFP
6	112	Item: Radio Setup	Power Consumption: should not be more than 20 W	Power Consumption: should not be more than 30 W	As per Updated RFP
7	112	Item: Radio Setup	The Radio should support LAN Interface 10/100/1000 Base T interface with Auto negotiation	The Radio should support LAN Interface 10/100/1000 Base T interface with Auto negotiation (IEEE802.3) and 2X10G SFP port	As Per RFP

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8	112	Item: Radio Setup	Temperature supported should be -10° C to 60° C.	Temperature supported should be -10° C to 55° C.	As Per RFP
9	113	Item: Outdoor Gigabit Network Managed Switch: Type-1:	Port: 8 ports of 10/100/1000 Base-Tx (PoE+ Enabled), 2x1Gbps (Single mode LR SFP) along with required SFP module (Loaded with same OEM) and patch chords for all interfaces to be included	Port: 8 ports of 10/100/1000 Base-Tx (PoE+ Enabled), 4x1Gbps (Single mode LR SFP) along with required SFP module (Loaded with same OEM) and patch chords for all interfaces to be included. IP30 Rating.	As Per RFP
10	113	Item: Outdoor Gigabit Network Managed Switch: Type-1:	Network Protocol: IEEE: 802.3 Ethernet, 802.3u Fast Ethernet, 802.3x Flow Control, 802.3ab Gigabit Ethernet, 802.1p QoS, 802.1x	Network Protocol: IEEE: 802.3 Ethernet, 802.3u Fast Ethernet, 802.3x Flow Control, 802.3ab Gigabit Ethernet, 802.1p QoS, 802.1x, MLDv1/v2, Snooping & MVR support. LLDP, MED, RMON, minimum 256 ACL, RADIUS, TACACS, Loop Guard, Storm control, GVRP, MAC table 8K, Hardware Queue 8, IEEE 802.3ad support (6 Groups and 8 interface), multicast groups support 256.	As Per RFP
11	113	Item: Outdoor Gigabit Network Managed Switch: Type-1:	Should be IPV4 and IPV6 supported	Should be IPV4 and IPV6 supported, IPV6 over Ethernet , Dual Stack, ICMP v6, Static IPV6 default gateway, SSL,Dual Stack, IPV6 over ethernet.	As Per RFP
12	113	Item: Outdoor Gigabit Network Managed Switch: Type-1:	Power: 100-240VAC, 50/60Hz Internal Universal Power AC/DC power adaptor to be provided	Power: Dual DC power, PoE budget 240 Watt, DIN rail support	Please refer updated RFP
13	114	Item: Outdoor Gigabit Network Managed Switch: Type-1:	Environment: -2° to 60°C Temperature 5% ~ 95% RH (Non-condensing) Humidity	Environment: Operating Temperature: -40° to 75° C, MTBF 25 Years or better @MAX temp, storage temperature: 5% ~ 95% RH (Non-condensing) Humidity	As Per RFP
14	114	Item: Outdoor Gigabit Network Managed Switch: Type-1:	The OFM should exist in the magic quadrant for the wired and wireless LAN access infrastructure of Gartner in 2020 or 2021.	Remove. As per DPIIT guidelines mentioning Gartner is Restrictive & Discriminatory Condition.	As Per RFP
15	119	Item: Gigabit Managed Network Switch: Type-2:	Port: Atleast 24 x 1Gbps(RJ45) and 4 X 10 Gbps (single mode LR SFP+), SFP to be included along with patch chord (7 ft) for all ports	Switch should have total 30 Nos.Gigabit port including 24 Nos. of 10/100/1000 Mbps RJ-45 Ethernet Ports, minimum 2x nos. multigiga (1G/2.5G/5G/10G) RJ45 ports and 4 x 10G SFP+ slots, Hardware stacking support..	As Per RFP

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16	119	Item: Gigabit Managed Network Switch: Type-2:	Switching Capacity: atleast 128Gbps nonblocking	The Switch should have Non-blocking wire speed switch fabric, should have Min. 168 Gbps Back plane or more and should have Min. 125 Mpps or more. 32K MAC address.	As Per RFP
17	119	Item: Gigabit Managed Network Switch: Type-2:	PVE/ Private VLAN feature/ equivalent	PVE/ Private VLAN feature/ equivalent, Double Tag (QinQ). Should support 1K IPv4 static route and 500 IPv6 static Routes or better. Support atleast 9 MAC per port (Exclusive with protocol-based & IP subnet-based VLAN, for 8/24 port devices)	As Per RFP
18	119	Item: Gigabit Managed Network Switch: Type-2:	Cabling type: Unshielded twisted pair (UTP) Category 5 or better	Cabling type: Unshielded twisted pair (UTP) Category 5 or better, Ethernet port ESD protection air/contact - 8kv/6kv or better.	As Per RFP
19	119	Item: Gigabit Managed Network Switch: Type-2:	Built-in web user interface for easy browser based configuration (HTTP/HTTPS)	Built-in web user interface for easy browser-based configuration (HTTP/HTTPS), CLI and WEB management, USG console port C-type. RMON. Port-based egress traffic shaping and Broadcast storm control	As Per RFP
20	119	Item: Gigabit Managed Network Switch: Type-2:	SNMP versions 1, 2c, and 3 with support for traps	SNMP versions 1, 2c, and 3 with support for traps, 4K PVID support and support Port-base VLAN & VLAN isolation	As Per RFP
21	120	Item: Gigabit Managed Network Switch: Type-2:	POE: POE Compliant (IEEE 802.3af/at)	POE: POE Compliant (IEEE 802.3af/at), PoE power budget of atleast 400 Watt or more.	As Per RFP
22	120	Item: Gigabit Managed Network Switch: Type-2:	Operating Environment: o 0° to 45°C Temperature o Humidity 10% to 90%, noncondensing	Operating temp: minus (-)20°C to 50°C, Storage Temp. -40 DegC to 70deg C Humidity 10% to 95%, noncondensing	As Per RFP
23	120	Item: Gigabit Managed Network Switch: Type-2:	The OEM should exist in the magic quadrant for the wired and wireless LAN access infrastructure of Gartner in 2020 or 2021	Remove. As per DPIIT guidelines mentioning Gartner is Restrictive & Discriminatory Condition.	As Per RFP

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24	121	Item: Display for 24x7 display:	Certifications : IEC 60950-1 / EN 60950-1 / UL 60950-1, FCC Class "A" / CE / KC, BIS	Certifications : IEC 60950-1 / EN 60950-1 / UL 60950-1, FCC Class "A" / CE / KC, BIS, Carbon Trust	As Per RFP
25	121	Item: Display for 24x7 display:	Input Ports : HDMI (3), DP, DVI-D, Audio, USB (2), RJ45 (LAN) In, IR In	Input Ports : HDMI (3), DP, DVI-D, Audio, USB (1), RJ45 (LAN) In, IR In	As Per RFP
26	121	Item: Display for 24x7 display:	Media Player: Compatible & Software Support	Media Player: Compatible & Software Support, CMS compatibility with Mobile and Cloud	As Per RFP
27	122	Item: Display for 24x7 display:	Additional Point	PBP/ PIP Enabled Internal Memory : 16 GB minimum Conformal Coating for Panel protection	As Per RFP
28	125	Item UAV, Point 5	Certification : STQC	Currently we recommend to go for AMC of Drone instead of replacement due to non availability of STQC Certified Payload.	Please refer updated RFP
29	125	Item UAV, Point 5	Pan:360 Degree Continuous	We request you to amend the Pan requirement to +/- 135 Degrees.	Please refer updated RFP
30	125	Item UAV, Point 6	Target Detection Range (Human Size Target): Thermal :300 Meter or better	Using our thermal sensor, we can achieve a DRI of 300m under optimal conditions and about 200m in worst-case scenarios. We suggest amending the required range to 250m to reflect a safe and achievable benchmark.	Please refer updated RFP
31	125	Item UAV, Point 8	Flight time – Atleast 70 minutes/ better with camera payload depending on air turbulence and height of area of operation above mean sea level	With our suitable product, we can reliably achieve an endurance of 65 minutes at MSL. Therefore, we recommend amending this specification to 60 minutes, considering the average altitude of Rajasthan of 325 meters (approximately 1066 feet).	Please refer updated RFP
32	127	Item UAV, Point 8	The system is to be delivered, assembled, configured and tested. It has to be integrated with any WS&APS of the concerned place of operations (through the network of the WS&APS during the flight mode). Must be simple, rugged and easy to operate by a single operator.	Please confirm if RISL local network supports RTSP protocol	Please refer updated RFP

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33	128	Item UAV, Point 33	Drone should have inbuilt RFID and GSM Sim Card for APP based real time tracking of UAV system at any location	We request you to remove this requirement entirely.	Please refer updated RFP
34	120	Item: Client PC	Processor: Intel Core i5 12th Generation processor or better	Processor: Intel Core i7 14th Generation processor or better	Please refer updated RFP
35	120	Item: Client PC	Memory: 8 GB DDR4 RAM expandable to 64 GB	Memory: 16 GB DDR4 RAM expandable to 64 GB	Please refer updated RFP
36	121	Item: Client PC	Preloaded Software: Genuine MS-Windows 10 Professional or latest License with OEM recovery partition	Preloaded Software: Genuine MS-Windows 11 Professional or latest License with OEM recovery partition	Please refer updated RFP
37	121	Item: Client PC	Other Accessories: Patch Cord (7 ft.) to be bundled	Other Accessories: Patch Cord of sufficient length to connect with network	As Per RFP
38	104	Item: Observable Thermal with Clear vision PTZ assembly with embedded Video Encoder:	Certification : STQC	Currently No OEM have STQC Certification for Thermal camera. So, we request you to kindly go for AMC of the Thermal Cameras with the permission to allow replacement of spares with other OEM (Will comply Land Border Policy) Spares Part to make Thermal Camera functional during AMC and to achieve desired Outcome as per forest department requirement.	Please refer updated RFP
39	107 / 108	Item: IP Outdoor Camera with IR / Item: Full HD IP Bullet Camera With IR	Certification : STQC	Currently NO OEM have STQC Certification for motorised Varifocal Bullet / Dome / PTZ camera having full compliance with the mentioned specifications in the RFP. So, we request you to kindly go for AMC of the Bullet / Dome / PTZ Cameras with the permission to allow usages of Other OEM (Will comply Land Border Policy) Spares Part to make it functional or change the specifications with Fixed Lens Camera's as mentioned below :	Please refer updated RFP
40	107	Item: IP Outdoor Camera with IR	Video Resolution: 4 MP (Min. 2688 x 1520) at 25 FPS or better	Video Resolution: 4 MP or better	Please refer updated RFP
41	107	Item: IP Outdoor Camera with IR	Network Protocols: IPv4/ IPv6, HTTP, HTTPS, TCP/IP, UDP, UPnP, ICMP, IGMP,	Network Protocols: IPv4, HTTP, TCP/IP, UDP/IP, RTSP, DHCP, NTP/SMTP, RTP/RTCP, DNS/DDNS, FTP/NFS(on Camera or on NVR), Multicast or Equivalent	Please refer updated RFP

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42	107	Item: IP Outdoor Camera with IR	Lens Type: 3 to 12 mm, motorized varifocal, Autofocus and Auto iris or better	Lens Type: Fixed 3.6mm	Please refer updated RFP
43	107	Item: IP Outdoor Camera with IR	Illumination: Colour: 0.3 lux, F1.3 or better B/W: 0.04 lux, F1.3 or better Inbuilt IR (40 mtrs. or better)	Illumination: Color: 0.18 lux , B/W: 0 lux with IR ((50 mtrs. or better)	Please refer updated RFP
44	108	Item: Full HD IP Bullet Camera With IR	Video Resolution: 4 MP (Min. 2688 x 1520) at 25 FPS or better	Video Resolution: 4 MP or better	Please refer updated RFP
45	108	Item: Full HD IP Bullet Camera With IR	Network Protocols: IPv4/ IPv6, HTTP, HTTPS, TCP/IP, UDP, UPnP, ICMP, IGMP,	Network Protocols: IPv4,HTTP, TCP/IP, UDP/IP, RTSP, DHCP, NTP/SMTP, RTCP/RTP, DNS/DDNS, FTP/NFS(on Camera or on NVR), Multicast or Equivalent	Please refer updated RFP
46	108	Item: Full HD IP Bullet Camera With IR	Lens Type: 3 to 12 mm, motorized varifocal, Autofocus and Auto iris or better	Lens Type: Fixed 3.6mm	Please refer updated RFP
47	108	Item: Full HD IP Bullet Camera With IR	Illumination: Colour: 0.3 lux, F1.3 or better B/W: 0.04 lux, F1.3 or better Inbuilt IR (40 mtrs. or better)	Illumination: Color: 0.18 lux , B/W: 0 lux with IR ((50 mtrs. or better)	Please refer updated RFP
48	109	Item: Full HD IP PTZ Camera With IR	Minimum TCP, HTTP, RTP, RTSP, SNMP, IPv4, IPv6,FTP, NTP,DHCP, RTP, SMTP, UDP, UPnP, ICMP, IGMP, SSL, QoS, 802.1x, DNS, DDNS, HTTPS	Minimum: IPv6,IPv4, DNS, PPPoE, NTP, RTP, 802.1x, HTTPS, SNMP, TCP/IP,ONVIF (Profile S & Profile G & Profile T)	Please refer updated RFP
49	109	Item: Full HD IP PTZ Camera With IR	Lenses Type: 4.3–129 mm (x30), F1.6 or better motorised Varifocal, Autofocus, Autoiris	Lenes 3.95 mm–177.75 mm or better, 45XOptical Zoom and 16X Digital Zoom	Please refer updated RFP
50	109	Item: Full HD IP PTZ Camera With IR	Illumination: Color: 0.3 lux, F1.6 or better B/W: 0.04 lux, F1.6 or better At 30 IRE Inbuilt IR (175 mtrs. or better)	Illumination: Color: IR LED OFF: 0.05 Lux @F1.6 or better , B/W: IR LED ON:0.01 Lux @F1.6 or better Inbuilt IR (300 mtrs. or better)	Please refer updated RFP
51	114	Item : PAC	Cooling Capacity: At least 7KW or better with heaters	Cooling Capacity: At least 7KW or better	As Per RFP

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52	117	Item : Rack Server with Storage	Rack Server with Storage		As per RFP in Ph-1 SAN storage has already deployed at sites which has more I/O Capacity in comparison to Rack Server with Storage. We recommend to upgrade SAN Storage with New Generation SAN Storage with enhanced capacity. As the proposed Rack Server with Storage will not be able to perform with more than 9-10 tower's cameras load. So, request you to consider below mentioned specifications of SAN storage.	Please refer updated RFP
53	117	Item : Rack Server with Storage	Recommend to modify as	Storage Quality Certification	The Storage OEM should be established in the latest Gartner Leader Quadrant	Please refer updated RFP
54	117	Item : Rack Server with Storage	Recommend to modify as	Storage Controller	The Storage system should a unified system supporting all Block and File protocols natively in active-active configuration. All controllers should be actively participate in capacity & performance of storage such that any volume & LUN can be accessed from any controller. Storage operating system must not be a general purpose OS. The interconnect between the controllers should be redundant 100G bandwidth.	Please refer updated RFP
55	117	Item : Rack Server with Storage	Recommend to modify as	Cache required	The unified system should have minimum 128 GB usable DRAM cache memory after considering overheads for protecting writes in the cache memory, entire cache should be available across dual controllers with an ability to protect data on cache if there is a controller failure or power outage. Cache should be protected for Writes either through a battery backup or by destaging to flash/disk. In addition to DRAM cache, additional 2 TB NVME/flash cache across controllers should be offered for performance boost. If any bidder does not support flash cache then they should offer minimum 1024 GB DRAM cache across dual controllers.	Please refer updated RFP
56	117	Item : Rack Server with Storage	Recommend to modify as	Drive Support	The unified system must support intermixing of dual ported 12Gbps SSD , SAS and NLSAS drives to meet the capacity and performance requirements of the applications. The system must support a minimum of 480 disks in a dual controller architecture.	Please refer updated RFP



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57	117	Item : Rack Server with Storage	Recommend to modify as	Protocols	The storage should a true unified storage configured with iSCSI, FC, FCOE, NFS(NFSv3,NFSv4, NFSv4.1-RFC 5661) SMB(SMB2 & SMB3) natively for use with different applications. All license must be supplied for the maximum capacity offered by the storage system. NO separate NAS headers to be offered. Storage should offer S3 protocols either natively or using any additional hardware or software.	Please refer updated RFP
58	117	Item : Rack Server with Storage	Recommend to modify as	High Availability	The unified storage system must be configured to continuously serve data in event of any controller failure. In addition to this, it must also be possible to withstand failure of any 3 disks per RAID-Group. In case offered storage does not offer 3 drive failure per RAID group then they should offer additional 10% drives as hot spare.	Please refer updated RFP
59	117	Item : Rack Server with Storage	Recommend to modify as	Storage Capacity	Storage must supplied with 300 TB usable capacity on dual ported 12 Gbps NLSAS drives . Hot spare disks should be as OEM recommendation.	Please refer updated RFP
60	117	Item : Rack Server with Storage	Recommend to modify as	Front-End and Backend connectivity	The proposed unified storage system should have minimum 4 x 10GigE Ports + 4 x 32/16 Gb FC portsfor host connectivity across controller. Each controller should be offered with minimum 4 x 12Gbps SAS ports for backend connectivity. Storage should support 25G connectivity.	Please refer updated RFP
61	117	Item : Rack Server with Storage	Recommend to modify as	Rack Mountable	The unified storage should be supplied with rack mount kit. All the necessary patch cords (Ethernet and Fiber) shall be provided.	Please refer updated RFP
62	117	Item : Rack Server with Storage	Recommend to modify as	Storage Scalability and Upgradability	1. The unified proposed system should be field upgradeable to a higher model through data-in-place upgrades. 2. Unified Storage system should allow re-usage of Disk Shelves with higher models of the same product line.	Please refer updated RFP
63	117	Item : Rack Server with Storage	Recommend to modify as	Storage functionality	The unified storage shall have the ability to expand LUNS/Volumes on the storage online and instantly.	Please refer updated RFP

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64	117	Item : Rack Server with Storage	Recommend to modify as	The unified storage shall have the ability to create logical volumes without physical capacity being available or in other words system should allow over-provisioning of the capacity. The license required for the same shall be supplied for the maximum supported capacity of the offered storage model.	Please refer updated RFP
65	117	Item : Rack Server with Storage	Recommend to modify as	The offered storage should offer DR to cloud natively with minimum 3 different CSP/hyperscalers listed in MeITY. If bidder does not support DR to cloud natively then they should offer require software and hardware for entire capacity of storage for both file & block data from day one.	Please refer updated RFP
66	117	Item : Rack Server with Storage	Recommend to modify as	Replication solution must be optimized and secure, entire replication traffic must be encrypted and entire data (Block and File) must be replicated without rehydrating the data before sending on WAN link. this capability should be offered natively in the storage, if it requires addon HW and SW then same must be offered day 1.	Please refer updated RFP
67	117	Item : Rack Server with Storage	Recommend to modify as	The unified storage should be configured with Quality of Service feature for IOPs/Throughput for both Block and File.	Please refer updated RFP
68	117	Item : Rack Server with Storage	Recommend to modify as	The unified storage shall support logical partitioning of controllers in future such that each partition appears as a separate Virtual storage in itself for both block and file. If any addon Software is needed then same should be offered day one.	Please refer updated RFP
69	117	Item : Rack Server with Storage	Recommend to modify as	The required number hard disks for parity & spares, should be provided exclusively of the usable capacity mentioned.	Please refer updated RFP
70	117	Item : Rack Server with Storage	Recommend to modify as	Unified System should have redundant hot swappable components like controllers, disks, power supplies, fans etc.	Please refer updated RFP
71	117	Item : Rack Server with Storage	Recommend to modify as	Data security & Data protection The unified storage should have the requisite licenses to create point-in-time snapshots. The license proposed should be for the complete supported capacity of the unified system for both block and file. The unified system should support instant creation of clones of active data, with near zero performance impact for both block and file.	Please refer updated RFP



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72	117	Item : Rack Server with Storage	Recommend to modify as		The storage shall be offered with Ransomware protection either natively or using third party, such that it should be possible to detect, protect & recover from Ransomware attack for both file & block. The alerts/information given by solution for Ransomware attack should be AI based actionable information to protect and recover data from Ransomware attack.	Please refer updated RFP
73	117	Item : Rack Server with Storage	Recommend to modify as	Encryption for Data At Rest	The proposed storage array must be configured with data at rest encryption offering industry standard certification/compliance. The storage array may implement data at rest encryption using self encrypting drives or controller based functionality.	Please refer updated RFP
74	117	Item : Rack Server with Storage	Recommend to modify as	Management	Single management, easy to use GUI based and web enabled administration interface for configuration, storage management and performance analysis tools for both block and file.	Please refer updated RFP
75	117	Item : Rack Server with Storage	Recommend to modify as	Remote Support & Diagnostics	Storage management should support "Call home" facility with web based self service portal providing an integrated, efficient monitoring and reporting capability and supporting data collection. Management software should provide features like: 1. Automated call home feature 2. Nonintrusive alerting 3. Performance and Capacity reports 4. Ongoing health check analysis	Please refer updated RFP
76	117	Item : Rack Server with Storage	Recommend to modify as	OS support	Support for industry-leading Operating System platforms including. Any Multipathing software required for the solution must be supplied for unlimited host connectivity	Please refer updated RFP
77	117	Item : Rack Server with Storage	Recommend to modify as	Storage Efficiency	Proposed unified storage should support Inline as well As Post Process block level data de-duplication,compression for all kinds of data on both block and file for the offered capacity.	Please refer updated RFP

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78	101	Compliance (B) :- Bidder has to submit given scope compliances on bidder letter head only for the items mentioned below.	2. The System should be able to identify the species of the animal, people, vehicle Object detected in the camera.	We request you to clarify that whether this AI based identification required on Thermal Camera or only on Optical Camera.	Please refer updated RFP
79	101	Compliance (B) :- Bidder has to submit given scope compliances on bidder letter head only for the items mentioned below.	3. The System should be able to provide GPS location and distance from the tower of the detected animals, people, vehicles, incident etc.	We request you to clarify that whether GPS location and distance required on PTZ Camera's or only on bullet / dome camera's.	Please refer updated RFP
80	102	Compliance (B) :- Bidder has to submit given scope compliances on bidder letter head only for the items mentioned below.	4. The System should be able to categories alerts on the basis of severity and priorities as per Forest department requirements.	The manual categorisation of alert is acceptable or it need to be automatic as per pre-defined rule engine.	Please refer updated RFP

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81	102	Compliance (B) :- Bidder has to submit given scope compliances on bidder letter head only for the items mentioned below.	5. The Alert should be sent to concerned officer on near real time basis with incidence location and other details.	Alert sending machnism required to be mannual or automatic.	Please refer updated RFP
82			Clarification of registration and usability of TReDs Portal	As per attached guidelines of Government of India. We are seeking confirmation whether RISL is procesing invoice through TReDs portal as it provide ease to MSME's for managing their finances.	As Per RFP
83	59	6.4 Joint Ventures, Consortium or association :	Joint Ventures / Consortium / association is allowed	We request you to Do Not Allow " Joint Ventures / Consortium / association".	Please refer updated RFP
84	99	Solar Batteries	Solar Batteries quantity is mentioned as 880 nos.	We request you to ask the pricing in BOQ1 of upgradation of solar solution per system basis as we want to supply high quality lithium batteries which is costlier then lead acid batteries and instead of 4 batteries only 1 battery is used. Further also to achieve the required back we need to supply 3 lithium battery per system which is equal to min. 12 lead acid batteries of provided specs. Since the BOQ qty of compoenents is fixed and L1 will be going to calculate on the provided fixed quantity which is not restricting in quoting high quality components.	Please refer updated RFP
85	21		The selected bidder shall take all necessary actions to prevent equipment damage due to high voltage surge, Failure of cooling system, lighting and weather conditions (Flood, Thunderstrom etc.), and if any equipment damaged due to above mentioned	We request you to remove damage of equipments from High Voltage, Lighting, Floods/thunderstrom, thefts as it is very difficult to do estimation of such incidents which are beyond our control. However to maintain and ensure the quality and preventive actions you may ask for the repective compliance.	As Per RFP

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86	Pg 19 of RFP	3.3. Technical Evaluation Criteria; S.No 1	Details of any one project executed (Mentioned in bid) with the key features of the project on the following aspects: •AI based video analysis & alert generation experience (in any government project) •Solar solution-based project experience (in any government project) •RF based connectivity experience (in any government project) •UAV/Drone based surveillance & monitoring experience (in any government project) •Digital handsets-based communication experience (in any government project)	We request amending the below mentioned clause as follows: Details of any one project executed (Mentioned in bid) with the key features of the project on the following aspects: •AI based video analysis & alert generation experience (in any government project)- No Change •Surveillance-based project experience (in any government project) •Command Control Center experience (in any government project) •UAV/Drone/IR Camera based surveillance & monitoring experience (in any government project) •Digital handsets-based/Networking based communication experience (in any government project)	Please refer updated RFP
87	Pg 62 of RFP	6.18. Sub-contracting	The bidder shall not assign or sub-let his contract or any substantial part thereof to any other agency without the permission of Purchaser/ Tendering Authority.	We respectfully request the department to consider removing or relaxing this clause, as it may significantly limit the participation of capable bidders in the tender process. In many cases, bidders may need to engage specialized subcontractors or technical partners or empanelled partners to efficiently execute specific components of the contract, especially in large or complex projects.	Please refer updated RFP
88	15	1. Turnover and Experience Criteria		Kindly confirm whether registered Startups are exempted from the minimum turnover and prior experience criteria specified in Section 3.1 (Pre-Qualification Criteria for Bidders)1. We request acceptance of our valid Startup Rajasthan/DPIIT certificate in lieu of these financial and experience requirements, as per state policy.	As Per RFP
89		2. Exemption from Tender Fees and EMD		Please clarify if the EMD and Tender Fee exemption is applicable for Startups bidding in this tender, subject to valid registration proof.	As Per RFP
90		3. Documentation Requirement		Advise if any particular declaration, undertaking, or format is necessary to claim these exemptions at the time of bid submission.	As Per RFP

Sr. No.	Page No.	RFP Clause Reference	Existing Clause		Query/Suggestion/ Clarification	Response by RISL
91		Request for Clarification: Startup Exemption Provisions			As per our understanding and in reference to prevailing government policies, the Government of Rajasthan recognizes several exemptions for Startups and MSMEs under its Startup Policy and the Rajasthan Transparency in Public Procurement Act, 2012 (RTPP Act). These typically include:	As Per RFP
					Exemption from prior turnover and experience requirements: Startups registered under the Rajasthan Startup Policy or DPIIT (GoI) are eligible for exemption from the requirements for prior experience and minimum turnover in state government procurement, provided all technical and quality parameters of the bid are met.	As Per RFP
					Exemption from Bid Security/EMD and Tender Fees: According to state government rules, startups are entitled to an exemption from Tender Fees and Bid Security (EMD) in public procurement when submitting valid proof of registration with Startup Rajasthan or DPIIT.	As Per RFP
					Reference Clause: "The provisions of the RTPP Act 2012 and Rules thereto shall be applicable for this procurement. Furthermore, in case of any inconsistency in any of the provisions of this bidding document with the RTPP Act 2012 and Rules thereto, the later shall prevail." ¹ The RTPP Act and its Rules (especially Rules 13, 75, 77, and related notifications) empower the procuring entity to extend such relaxations to Startups and MSMEs as a matter of policy.	As Per RFP

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Sr. No.	Page No.	RFP Clause Reference	Existing Clause		Query/Suggestion/ Clarification	Response by RISL
92		Policy References			Our requests are in line with: Rajasthan Startup Policy: Exempts recognized startups from prior turnover and experience in public procurement. Rajasthan Transparency in Public Procurement Act, 2012 (RTPP Act) and Rules: Empower exemption of such criteria for Startups and MSMEs, following the government's intent on inclusive growth. Government of Rajasthan notifications and circulars adopting GFR 170(i) and analogous central MSME/Startup procurement incentives.	As Per RFP
93	Page No.: 15	2. QUALIFICATION/ ELIGIBILITY CRITERIA 3.1. Pre-Qualification Criteria for Bidders, Serial no.4: Financial: Net Worth	2. QUALIFICATION/ ELIGIBILITY CRITERIA 3.1. Pre-Qualification Criteria for Bidders, Serial no.4: Financial: Net Worth	The net worth of bidder as on 31st March 2025, should be Positive and profit making as per last audited balance sheet.	We would like to request to amend this clause as: The net worth of bidder as on 31st March 2025, should be Positive as per last audited balance sheet."	As Per RFP

Sr. No.	Page No.	RFP Clause Reference	Existing Clause	Query/Suggestion/ Clarification	Response by RISL
94	Page No.: 17	2. QUALIFICATION/ ELIGIBILITY CRITERIA 3.1. Pre-Qualification Criteria for Bidders, Serial no.11: Certification	2. QUALIFICATION/ ELIGIBILITY CRITERIA 3.1. Pre-Qualification Criteria for Bidders, Serial no.11: Certification	New Clause We respectfully request that CMMI Level 3 certification be added as a basic eligibility criterion for this tender. In all technology/ software-related tenders floated by RISL, the requirement of CMMI Level 3 has consistently been adopted as a minimum qualifying standard. The exclusion of this essential criterion in the present bid may inadvertently allow participation from vendors who are not technically competent or adequately mature in process implementation to handle projects of this scale and complexity. Including CMMI Level 3 as a minimum eligibility will ensure that only capable and process-driven organizations qualify, thereby safeguarding the quality, reliability, and successful execution of the project. Additionally, to encourage higher process maturity, we suggest that additional marks be awarded in the technical evaluation to bidders holding certifications up to CMMI Level 5. We hope you will kindly review this request and incorporate the criterion to maintain consistency with past tenders and ensure that the project benefits from vendors with proven process maturity and capability. We respectfully request that CMMI Level 3 certification be added as a basic eligibility criterion for this tender. In all technology/ software-related tenders floated by RISL, the	As Per RFP
95	Page No.: 18 - 19	3.3. Serial No.1: Technical Evaluation Criteria:	3.3. Serial No.1: Technical Evaluation Criteria:	New Clause We would like to request an amendment to this clause, as this RFP involves both services and products. To ensure the maintenance of quality and service standards, we propose the clause be amended as follows: The following marks shall be added: ● CMMI L3 - 5 Marks ● CMMI L5 - 7 Marks	Please refer updated RFP

Sr. No.	Page No.	RFP Clause Reference	Existing Clause		Query/Suggestion/ Clarification	Response by RISL
96	Page No.: 18 - 19	3.3. Serial No.1: Technical Evaluation Criteria:	3.3. Serial No.1: Technical Evaluation Criteria:	New Clause	We would like to request to amend this clause as, to know financial capabilities of Bidder: The bidder should have average annual turnover of last 3 FY years (FY's, 2022-23, 2023-24 & 2024-25) as per last audited balance sheet. * 100 to 150 Cr. - 3 Marks * Above 150 Cr. - 5 Marks	Please refer updated RFP
97	Technical specifications, Page no.125	UAV	UAV	7. Control Range: Minimum 4 Km & More	As the requirement pertains to surveillance operations, the primary focus should be on maximizing range coverage. Greater coverage per flight directly enhances operational efficiency and reduces mission time. In view of this, we recommend increasing the required range coverage to 10 km,	Please refer updated RFP
98	Technical specifications, Page no.125	UAV	UAV	Flight time – At Least 70 minutes/ better with camera payload depending on air turbulence and height of area of operation above mean sea level.	We request relaxation on the endurance requirement of 70 minutes mentioned in the specification. The specified range can be effectively covered within 60 minutes of endurance, which also allows for a higher number of flights, thereby improving operational efficiency. Additionally, our system is capable of providing range coverage of up to 10 km within this endurance, ensuring mission effectiveness.	Please refer updated RFP
99	Technical specifications, Page no.125	UAV	UAV	12. Failsafe options for "out of range", "battery low" or "Bad weather failsafe including High wind". System provides provide RTL	We kindly request clarification on whether the term "out of range" in the specification refers to communication failure with the UAV.	Please refer updated RFP
100					Additionally, we would like to highlight that our UAV system includes a comprehensive set of fail-safe features, such as:	Please refer updated RFP
101					- Auto Return-to-Home (RTH) and landing	Please refer updated RFP
102					- RTH on communication failure	Please refer updated RFP
103					- RTH on low battery	Please refer updated RFP
104					- Multiple GNSS modules on-board for redundancy	Please refer updated RFP
					- RTH on exceeding system-defined wind speed limits	Please refer updated RFP

Sr. No.	Page No.	RFP Clause Reference	Existing Clause		Query/Suggestion/ Clarification	Response by RISL
					- Safety response on battery imbalance	Please refer updated RFP
					- System alerts and protective actions when UAV health parameters (e.g., temperature, vibration, throttle) exceed defined limits	Please refer updated RFP
					In light of the above, we request you to kindly consider acceptance of this configuration, as it ensures enhanced safety, system reliability, and mission continuity.	Please refer updated RFP
105	Technical specifications, Pageno.1 27	UAV	UAV	The system is to be delivered, assembled, configured and tested. It has to be integrated with any WS&APS of the concerned place of operations (through the network of the WS&APS during the flight mode). Must be simple, rugged and easy to operate by a single operator.	It is highly recommended that 2 no of operating crews i.e. 1 pilot and 1 co-pilot, are maintained to ensure smooth, efficient and safe operation for UAV. Although system can be flown by single operation crew as well. So, request to ammend the clause as "min 02 Operating Crew".	Please refer updated RFP
106	Technical specifications, Pageno.1 28	UAV	UAV	30. Display System: Integrated Joy Stick	As per the current specification, the Ground Control Station (GCS) includes an integrated joystick, which is typically assembled using China-based components. In light of this, we kindly request that the provision for a separate external joystick compatible with the GCS also be considered as an acceptable alternative. This would allow for greater flexibility in sourcing and compliance with origin-related preferences or restrictions	Please refer updated RFP
107	Technical specifications, Pageno.1	UAV	UAV	33. Drone should have inbuilt RFID and GSM Sim Card for APP based real time tracking of UAV	We would like to submit that UAV recovery under specific circumstances can effectively be achieved using either RFID or a GSM SIM card, and both should be accepted as valid options.	Please refer updated RFP

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Sr. No.	Page No.	RFP Clause Reference	Existing Clause		Query/Suggestion/ Clarification	Response by RISL
	28			system at any location	Allowing flexibility in choosing between RFID and GSM will encourage wider participation, as well as help optimize cost. It is important to note that the use of GSM SIM cards incurs additional recurring expenses, whereas RFID offers a cost-effective and reliable alternative for real-time tracking and recovery.	Please refer updated RFP
					We kindly request that the specification be revised to allow either RFID or GSM for UAV tracking and recovery.	Please refer updated RFP
108	Page no.19, Point No 2.A. 3	Understanding of repair/replacement/upgrade requirement	Understanding of repair/replacement/upgrade requirement	Need to remove this point	We request you to please remove the point and change the criteria to the field experience as only existing OEM may have that kind of understanding and new vendors may take some time to understand the issues	Please refer updated RFP
109	Page no.19, Point No 2.A. 4	Challenges faced during WS&APS Phase1	Challenges faced during WS&APS Phase1	Need to remove this point	We request you to please remove the point and change the criteria to the field experience as only existing OEM may have that kind of understanding and new vendors may take some time to understand the issues	Please refer updated RFP
110	Page no.19, Point No 2.B. 1	Solar solution with optimum use of resources in forest terrain	Solar solution with optimum use of resources in forest terrain	Bidder's experience in laying OFC cables, networking, switching, and other complex networking projects	Solar is one of the pain points of the department however the overall experience and solution of the bidder in handling complex projects shall be considered for evaluation	Please refer updated RFP
111	Page no.19, Point No 2.B. 2	Network solution (with considering possible unauthorised data transfer problem and optimal use of RF connectivity):	Network solution (with considering possible unauthorised data transfer problem and optimal use of RF connectivity):	Need to remove this point	Since the problem currently faced by the department is not explicitly not shared in the tender documents only existing vendor can suggest a better solution so we request you either remove the point or conduct industry consultation with leading OEM and SI's so that we can plan our OEM stack accordingly	As Per RFP

Sr. No.	Page No.	RFP Clause Reference	Existing Clause		Query/Suggestion/ Clarification	Response by RISL
112	Page no.19, Point No 2.B. 6	Demonstration of AI capabilities as per forest requirement mentioned in scope	Demonstration of AI capabilities as per forest requirement mentioned in scope	New AI/ML/Technologies proposed by bidder beyond the existing technologies	The tender is based on existing issues however they shall be scope for new innovative technologies and Ideas.	Please refer updated RFP
113	Page no.111,	Technical Specification of Radio setup	Technical Specification of Radio setup	Need to remove MAF requirement	We are still not able to identify the Oem matching the criteria except one OEM, we request you to share the detail of OEM's consulted and matching the criteria so that we can give better price discovery to the department.	As Per RFP
114	Page no.117	Technical Specification of Rack Server with Storage & Gigabit Managed Network Switch: Type-2	Technical Specification of Rack Server with Storage & Gigabit Managed Network Switch: Type-2	Need to remove these specifications as it is outdated technology	In light of the availability of new technology in the market offering integrated switch and storage solutions, we respectfully request the removal of the existing technical specifications for switch and storage, and the inclusion of HCI specifications aligned with container-based solutions	Please refer updated RFP
115					1. Allocate 60-70% weightage to proposed new solutions and technologies, enabling transformative approaches that go beyond existing system limitations.	Please refer updated RFP
116					2. Introduce dedicated evaluation criteria for advanced technological competencies such as Artificial Intelligence (AI) and Machine Learning (ML), to ensure that the selected bidder offers forward-looking, future-ready capabilities.	Please refer updated RFP
117					3. Include specific assessment parameters for data security, data management, and governance, to ensure the solution is robust, scalable, and aligned with best practices. We believe that revisiting the evaluation criteria in this way will promote greater fairness, encourage innovation, and enable the department to select a solution that not only addresses present-day challenges but is also designed for the future. Additionally, we kindly request that the pre-bid meeting be re-convened and include participation from System Integrators (SI) and OEMs, ensuring a transparent and equitable platform for all	Please refer updated RFP


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