

Reply to Pre-Bid Queries

Tender No: GEM/2024/B/4979713

Sr. No.	RFQ cum RFP reference	Query related to	Queries	Suggestions from bidders (If any)	Response
1	Clause 6.2.1 Fixed reader page no 38	Processor 600 MHz or better	It is recommended that with current advancements in edge computing technologies, the new age high speed processor & higher memory are available with better cost to performance ratio.	Our suggestion is processor should be upgraded to minimum 1.5 Ghz.	<p>The processor mentioned must be minimum 600 MHz or better in RfQ cum RfP.</p> <p>Accordingly, condition given in RfQ cum RfP shall remain unchanged.</p>
2	Clause 6.2.1 Fixed reader page no 38	Memory for [Must to have] Flash 128 MB; DRAM 128 MB or better	It is recommended that with current advancements in edge computing technologies, the new age high speed processor & higher memory are available with better cost to performance ratio.	Our suggestion is that Memory should be upgraded to minimum 2GB RAM and 16 GB eMMC.	<p>The memory mentioned must be minimum flash 128 MB; DRAM 128 MB or better in the RfQ cum RfP.</p> <p>Accordingly, condition given in RfQ cum RfP shall remain unchanged.</p>
3	Clause 6.2.1 Fixed reader page no 38	Housing for [Must to have] IP53 or better	Outdoor installation must have products with min IP65 sealing, even if the same are being installed in NEMA box, as a second layer of protection for these critical and costly products.	Our suggestion is It should be upgraded to IP65.	<p>The Housing mentioned must be minimum IP53 or better in the RfQ cum RfP.</p> <p>Accordingly, condition given in RfQ cum RfP shall remain unchanged.</p>

4	Clause 6.2.1 Fixed reader page no 38	Connectivity for [Must to have] 10/100 BaseT Ethernet	NLDS solution requires cellular backhaul which is currently an external add-on device and can be avoided with this inbuilt feature. This can ensure reduced TCO, eliminate an additional supplier and provides low maintenance.	Our suggestion is connectivity should be 10/100 Base T Ethernet + Cellular LTE Cat 4 communication with Dual backup facility (ESIM or Physical SIM).	Connectivity must to have 10/100 Base T Ethernet. Accordingly, condition given in RfQ cum RfP shall remain unchanged.
5	Clause 6.2.1 Fixed reader page no 38	Firmware and Management protocol supported for Firmware and Management protocol supported Remote firmware management capability using web browser and web tools and RM 1.0.1 (with XML over HTTP/HTTPS and SNMP binding) and latest technologies, if any.	Modern IoT protocols offer better performance over pre-internet era designed protocols like LLRP+RM.	Our suggestion is it should be Firmware and Management protocol supported Remote firmware management capability using web and / or latest technologies like HTTPS/MQTT etc. The same changes were also incorporated in the last tender vide corrigendum 1 dated 03.02.2023.	Condition given in RfQ cum RfP shall remain unchanged.
6	Clause 6.2.1 Fixed reader page no 38	Host Interface Protocol for [Must to have] LLRP + RM and latest technologies if any. (The reader must retain transactional data even after power-off/restart of the device).	Modern IoT protocols offer better performance over pre-internet era designed protocols like LLRP+RM.	our suggestion Host Interface Protocol is LLRP + RM and/or latest technologies like HTTPS/MQTT etc. (The reader must retain transactional data even after power-off/restart of the device). the same changes were also incorporated in the last	Condition given in RfQ cum RfP shall remain unchanged.

				tender vide corrigendum 1 dated 03.02.2023.	
7	Clause 6.2.1a Point no. 1 Fixed reader page no 39	Availability of Peer-to-peer connectivity for reader configuration, configuration file transfers & EDGE native application transfer without any requirement of internet or dependency on 3rd Party software saved on Reader or dependency on external appliances like monitor, TV Screen.	Understanding: Peer to Peer connection using APIPA 169.254.1.100 will be provided, Web App will be provided to upload code, check device parameters and configure reader, so there will not be any dependency on 3rd party software or internet to configure device on reader.	How will peer-to-peer connection happen without machine? We will need Laptop or desktop to configure device initially.	“Peer-to-peer connectivity” means connectivity between one laptop & one reader at a time. Condition given in RfQ cum RfP shall remain unchanged.
8	Clause 6.2.1a Point no. 2 Fixed reader page no 40	OEM should make available indigenous file transfer mechanism to transfer files into the reader without any 3rd party software dependency.	Understanding: Freeware utility applications like WinSCP and Putty will be allowed to use.	Upload file option from Reader Web Console or anything else is expected?	Condition given in RfQ cum RfP shall remain unchanged.

9	Clause 6.2.1a Point no. 3 Fixed reader page no 40	GUI availability to run EDGE native application installed in readers.	Understanding: Currently we support bash scripts to enable this feature. In future it is expected to be done through GUI.	Currently we support bash scripts to enable this feature. In future it is expected to be done through GUI. Anything else is expected?	Condition given in RfQ cum RfP shall remain unchanged.
10	Clause 6.2.1a Point no. 4 Fixed reader page no 40	Script / GUI availability to start EDGE native application automatically on reader reboot	Understanding: Currently we support bash scripts to enable this feature. In future it is expected to be done through GUI.	Anything else is expected?	Condition given in RfQ cum RfP shall remain unchanged.
11	Clause 6.2.1a Point no. 5 Fixed reader page no 40	GUI Based Reader Administrator Console to control reader parameters, view, reader & download all reader & EDGE native application related logs that affect the reader parameters.	Understanding: Web console already provided for individual readers, which has logs and can set reader and network configurations.	What does term all reader mean? Need more details on it.	Refer below: OLD – GUI Based Reader Administrator Console to control reader parameters, view, reader & download all reader & EDGE native application related logs that affect the reader parameters. New- GUI Based Reader Administrator Console to control reader parameters, view, reader & download reader & EDGE native application related logs that affect the reader parameters.
12	Clause 6.2.1a Point no. 6 Fixed reader page no 40	GUI Based Reader Administrator Console functioning simultaneously with generic EDGE native application to monitor various reader parameters & logs.	Understanding: Web console already provided.	Anything else is expected?	Condition given in RfQ cum RfP shall remain unchanged.

13	Clause 6.2.1a Point no. 7 Fixed reader page no 40	Reader should be able retain time even without internet connectivity / reboot post a onetime sync with NTP Server / IP or time setting.	Understanding: We will need NTP Server when the power of device is turned off and turned on again, in case of continuous run or reboot (without power off) the time is retained and no NTP Server connection is required.	Anything else is expected?	Refer below: OLD - Reader should be able retain time even without internet connectivity / reboot post a onetime sync with NTP Server / IP or time setting. NEW - Reader should be able retain time for minimum 30 days even without internet connectivity / reboot post a onetime sync with NTP Server / IP or time setting.
14	Clause 6.2.1a Point no. 10 Fixed reader page no 40	Availability of Visual Status Indicators (LEDs for Power, Inventory, Reader Status).	Understanding: LED for Power, Inventory and Network Connectivity status.	Anything else is expected?	Condition given in RfQ cum RfP shall remain unchanged.
15	Clause 6.2.1a Point no. 11 Fixed reader page no 40	Option of frequency hopping in order to install & operate reader in close vicinity in multi reader environment without interference.	Understanding: Frequency hopping between these frequencies is available -"f1": "865700", "f2": "866300", "f3": "866900", "f4": "867500"	Anything else is expected?	Condition given in RfQ cum RfP shall remain unchanged.
16	Clause 6.2.3 RFID Handheld reader page no 40	Processor for 1 Ghz or better	Most of new mobile devices are being released with higher speed processors which offer better cost to performance ratio.	It should be upgraded to minimum "Octa core 2Ghz"	The processor mentioned must be 1 GHz or better in the RfQ cum RfP. Accordingly, condition given in RfQ cum RfP shall remain unchanged.

17.	Clause 6.2.3 RFID Handheld reader page no 40	Memory for 512 MB RAM, 2 GB Flash with Micro SD Card 32 GB or better	Most of new mobile devices are being release with higher inbuilt memory now for supporting higher version of OS, processor and better performance.	Memory should be upgraded to 4GB RAM and 64 GB Flash	<p>The Memory mentioned must be minimum 512 MB RAM, 2 GB Flash with Micro SD Card 32 GB or better in the RfQ cum RfP.</p> <p>Accordingly, condition given in RfQ cum RfP shall remain unchanged.</p>		
18.	Clause 6.2.3 RFID Handheld reader page no 40	Additional point- Technical specification of OS of the Mobile Device	OS of the handheld reader is very critical for the performance and security of the application and data and should be part of the technical specification. Most of the mobile devices now being release with the Android version 12 upgradable to 14.	OS of the Mobile Device should be minimum (Must to Have) Android Version 12 upgradable to 14 to have OEM support on the OS upgrades and security patches etc.	<p>Refer below:</p> <p>Kindly read the updated clause in RFP for RFID Handheld Readers below:</p> <table><tr><td>OS</td><td>(Must to Have) Current OS Version must be latest as of July 2024 & upgradeable to at least 2 upgraded versions with OEM Support in future.</td></tr></table>	OS	(Must to Have) Current OS Version must be latest as of July 2024 & upgradeable to at least 2 upgraded versions with OEM Support in future.
OS	(Must to Have) Current OS Version must be latest as of July 2024 & upgradeable to at least 2 upgraded versions with OEM Support in future.						
19.	Clause 6.2.3 RFID Handheld reader page no 40	Keypad - Qwerty Keypad Physical and Virtual readable in sunlight	Now everyone across all strata, is using smart mobile phone and are all well versed with use of virtual keypad. All the OEMs have also now moved to All Touch devices and hard key pad devices are becoming obsolete.	Hard Keypad requirement should be removed or keep only numerical hard keypad and virtual Qwerty keypad.	Condition given in RfQ cum RfP shall remain unchanged.		

20.	Clause 6.2.3 RFID Handheld reader page no 40	Additional Point- Technical specification of Operating temperature	Operating temperature of HHT device is an important parameter seeing the huge variation in temperature across the year and geography specially in outdoor locations.	The recommended range of - 20 to 50 deg C. (Must to Have)	Refer below: Kindly read the updated clause in RFP for HHD as below: Device can operate seamlessly without stopping or affecting device performance at temperatures ranging from -20 degree to +55 degree. <table><tr><td>Operating Temp</td><td>-4°to +131° F</td></tr><tr><td></td><td>-20°to +55° C</td></tr></table>	Operating Temp	-4°to +131° F		-20°to +55° C
Operating Temp	-4°to +131° F								
	-20°to +55° C								
21.	Clause 6.2.3 RFID Handheld reader page no 40	Accessories- Handheld reader, battery and charger with Indian standard power plug.	Its not very clear from details given in RFP, whether, vendor needs to include one spare battery for Device as well as RFID Sledge in addition to battery being supplied with Mobile Device and Sledge. If yes then, it will be better to mention that Spare Battery to be given.	Please specify whether spare battery for mobile device and RFID sledge to be supplied or not.	Spare battery is not mentioned in the RfQ cum RfP. Accordingly, condition given in RfQ cum RfP shall remain unchanged.				
22.	Clause 6.2.3 RFID Handheld reader page no 40	Battery Chargers/Cradles -4-slot battery charger;	Normally with one device, only one single slot cradle is supplied. As you will appreciate that 4 slot battery charger/cradle are expensive and it will be under-utilized since it can charge four batteries together.	Our suggestion is that Single Slot Cradle with a Spare Battery Charging Slot should be sufficient to be supplied with one device. This cradle is capable of charging the Device and RFID Sledge battery together when a device is kept on the cradle. It also has a spare battery charger for Mobile Device. If a spare battery is being asked for then a single slot battery charger for RFID Sledge should also be supplied. Therefore for a 2 piece RFID Hand Held Reader(Mobile Device + RFID Sledge) following will be most optimum BOM : a. Mobile Device and RFID Module with battery	Condition given in RfQ cum RfP shall remain unchanged.				

				<p>b. Spare battery of Mobile Device and RFID Sledge</p> <p>c. Single Slot Charging Cradle for charging Mobile Device + RFID Sledge along with spare battery charger for Mobile Device.</p> <p>d. Single slot charger for RFID Sledge Battery to charge spare battery.</p> <p>Note – Item no (b) and (d) are not required if spare battery is not needed. If the operation is not continuous round the clock, then Charging Cradle is sufficient to charge the Mobile Device and RFID Sledge. Device can be put for charging when not being used. A full charge will allow the device + RFID sledge to be used for 8-10 hrs.</p>	
23.	Clause 6.2.3 points no 3d* Important Note a & b page no 29	Make in India Evaluation	There are many make in India manufacturer who for the sake of participation in the Government tender import CKD kits from China or other countries and claim their product as manufactured in India only by using Screw driver technology.	<p>It is suggested that for the evaluation of the genuine Indian manufacturers for these highly technological RFID Readers, a deeper evaluation of manufacturing in India should be done. Some of the possible areas for evaluation for the same can be inspecting the design and engineering facility of the manufacturer, direct sourcing of critical components and ownership of the firmware software (source code) of the product for complete control of the product and its design/ performance. Depending on design of the product, PCB or</p>	Submit Form T2 A and T2 B.

				modules used etc., can also be a validation point.	
24.	Form T2A point no iii page 106	In T2A form have mentioned that to submit the “Make In India” certificate issued by Govt. of India along with this technical proposal. The Certificate stands valid at the time submission of the proposal. The certificate number is [certificate number].	We have searched on all related sites, but could not find any agency who issues such certificate.	Please remove this point from form T2A as was removed previously in corrigendum 2 dated 09.03.2023 during previous tender.	<p>i. Valid “Make in India” certificate stand removed</p> <p>ii. OEM’s undertaking confirming that its technical proposal should be evaluated under “Make in India” initiative (As part of the Form T2 A).</p> <p>iii. OEM/Manufacturer should provide a certificate from the statutory auditor or cost auditor of the company or from a practicing cost accountant or practicing chartered accountant giving the percentage of local content which should be more than 20%. (As part of the revised Form T2 B).</p>
25.	Form T2B page 107	In T2B form asked for % of Total value of the product.	In form T2B, where we need to declare local content duly certified by the statutory auditor, it has been asked to declare the "Value (in Rs.) as well as % of the total value of the product of the local content. If these both values are given, one can practical calculated the cost and hence the margin of the quote. As per our understanding and experience for the declaration of the local content in the government tender, it always the % age of the local content is asked for and not the value.	Please remove this column from form T2B as was removed previously in corrigendum 2 dated 09.03.2023 during previous tender.	Kindly refer to the revised Form T2 B attached herewith.

26.	5.2.2 Bid Security: EMD for MSEs applicant:	please confirm if all Micro, Small and Medium Enterprises (MSME)" are exempt from submission of EMD (Bid security) in this tender.	is there is any specific category of MSME exempted.	request to give exemption to MSME registered companies irrespective to any category.	Bid security is exempted for Micro and Small Enterprise only. Medium enterprise must submit bid security as per tender condition.
27.	5.10 Minimum Qualification Criteria and Technical Evaluation:	Applicant shall have an average annual turnover of at least INR 50 million or equivalent in US Dollars for last three financial years (2020- 21, 2021-22 and 2022-23).	in Gem Document this amount is 410 lakhs, can same be considered.	FY20-21 was hit by Covid and dip in net revenue, would appreciate if 10% flexibility to MSME be considered.	Condition given in RfQ cum RfP shall remain unchanged.
28.	Reader Spec	[Must to have] IP53 or better	IP53 or better with additional enclosure is acceptable?		The Housing mentioned must be minimum IP53 or better in the RfQ cum RfP. Accordingly, condition given in RfQ cum RfP shall remain unchanged.
29.	6.2.1	Availability of Peer-to-peer connectivity for reader configuration, configuration file transfers & EDGE native application transfer without any requirement of internet or	for any such requirement OEM own tool is acceptable?	OEM tool should be ok.	"Peer-to-peer connectivity" means connectivity between one laptop & one reader at a time. Condition given in RfQ cum RfP shall remain unchanged.

		dependency on 3rd Party software saved on Reader or dependency on external appliances like monitor, TV Screen			
30.	6.2.1	OEM should make available indigenous file transfer mechanism to transfer files into the reader without any 3 rd party software dependency.	for any such requirement OEM guided tool should be acceptable?	OEM approved process should be OK.	Condition given in RfQ cum RfP shall remain unchanged.
31.	Hand Held	Ruggedness	IP 67 rating with additional cover of HHT is acceptable?		Condition given in RfQ cum RfP shall remain unchanged.
32.	6.2.1. Fixed reader Host Protocol	Host Interface Protocol: [Must to have] LLRP + RM and latest technologies if any. (The reader must retain transactional data even after power-off/restart of the device).	The reader should have the capability to communicate over MQTT to the broker and configure endpoints such as TCP/IP, WebSocket, HTTPS secure protocol etc. along with LLRP+RM.	MQTT, TCP/IP, HTTPS and Web Sockets are crucial protocols because they facilitate efficient, reliable, and scalable communication between RFID readers and NLDS application.	Condition given in RfQ cum RfP shall remain unchanged.

33.		[Must to have] .NET and C	Reader should support .NET, C and JAVA, OEM should provide the SDK with the sample code.	For seamless Integration, OEM APIs will allow software systems and applications to communicate with each other. Consumption of API will help in seamless integration of NLDS application. Sample code will be more helpful while integration	Refer below: Kindly read the updated clause in RFP as below: Reader should support .NET & C; OEM should provide the SDK with sample code for seamless Integration with NLDSL application			
34.	6.2.1. Additional Points	Security protocols	Devices should support TLS 1.2 as per new mandates	TLS 1.2 support is mandated for all govt operations to ensure that data security is maintained.	Refer below: Kindly read the updated clause in RFP for both Fixed Reader & HHD as below: <table><tr><td>Security protocols</td><td>(Must to Have) Devices should support TLS 1.2 or higher version</td></tr></table>	Security protocols	(Must to Have) Devices should support TLS 1.2 or higher version	
		Security protocols	(Must to Have) Devices should support TLS 1.2 or higher version					
			Devices should be certified for FIPS 140-2 to ensure no data pilferage is done while in motion					
		Certifications	ALL certificates complied in main tender should be submitted					
	Security Updates							
35.	6.2.1 a) Please note following must have points regarding RFID Fixed Reader							
(a)	9. Device can operate seamlessly without stopping or affecting device performance at temperatures ranging from - 40 degree to +60 degree.	Temperature should be same as above table of - 20°to +55° C.	-20°to +55° helps cover entire India. For products locally manufactured, The Temp sensitivity needs to be checked for the entire device and not the module only.	-20°to +55° helps cover entire India. For products locally manufactured, The Temp sensitivity needs to be checked for the entire device and not the module only.	Refer below: Kindly read the updated clause in RFP as below: Device can operate seamlessly without stopping or affecting device performance at temperatures ranging from -20 degree to +55 degree. <table><tr><td rowspan="2">Operating Temp</td><td>-4°to +131° F</td></tr><tr><td>-20°to +55° C</td></tr></table>	Operating Temp	-4°to +131° F	-20°to +55° C
Operating Temp	-4°to +131° F							
	-20°to +55° C							
36.	6.2.3 RFID Handheld reader							

(a)	Memory	512 MB RAM, 2 GB Flash with Micro SD Card 32 GB or better	min 3GB RAM and 32GB Flash or better.	512MB is too less for Android operation.	The Memory mentioned must be minimum 512 MB RAM, 2 GB Flash with Micro SD Card 32 GB or better in the RfQ cum RfP. Accordingly, condition given in RfQ cum RfP shall remain unchanged.
(b)	Power	Min. 3600 mAh Li-Ion rechargeable battery for minimum 8-10 hrs of use in the field	min 7000mAh and above.	3600mAh is too less power to sustain full shift operation.	Min. 3600 mAh Li-Ion rechargeable battery for minimum 8-10 hrs of use in the field is mentioned in the RfQ cum RfP. Condition given in RfQ cum RfP shall remain unchanged.
(c)	Camera	Integrated Camera with Flash			Condition given in RfQ cum RfP shall remain unchanged.
(d)	Display and Keypad	3.5 in. or more color VGA display Qwerty Keypad Physical and Virtual readable in sunlight.	min 5" Screen with Touch screen .		Condition given in RfQ cum RfP shall remain unchanged.
(e)	Reading distance	contact to 3 meters or more	min 10 meters or more.	3 meters is too less in practical field application	Condition given in RfQ cum RfP shall remain unchanged.
(f)	Battery Chargers/ Cradles:	4-slot battery charger	should be changed to single unit charging Dock.	newer devices have better power management hence do not need frequent charging and battery changes.	Condition given in RfQ cum RfP shall remain unchanged.
37.	Payment Terms 5.15.1	The device shall have the deemed warranty period of 1 year starting from the date of installation. However, if installation is not completed within 6 months from the date of delivery,	If installation doesn't start then warranty should start within 3 months The charges of the AMC period should be done every six months period & the payment of AMC should be done within 30 days.	In last two tenders we found lot of invoice related challenges in this.	The device shall have the deemed warranty period of 1 year starting from the date of installation. However, if installation is not completed within 6 months from the date of delivery, the warranty period shall deem to start from the start of 7th month onwards. The AMC period shall start automatically after the completion of the warranty period. The charges for the AMC of the installed devices shall be paid in every six months in 4 (four) equal parts of the total finalized

		<p>the warranty period shall deem to start from the start of 7th month onwards. The AMC period shall start automatically after the completion of the warranty period. The charges for the AMC of the installed devices shall be paid in every three months in 8 (eight) equal parts of the total finalized AMC amount. The supplier shall submit the invoice for the AMC after completion of the "3-month Period". The payment of AMC of devices shall be paid after 80 days of successful acceptance of the invoice.</p>			<p>AMC amount. The supplier shall submit the invoice for the AMC after completion of the "6-month Period". The payment of AMC of devices shall be paid after 80 days of successful acceptance of the invoice.</p>
38.	6.3.3 (b)	<p>For every incident of breaching of service support, LD will be deducted as follows: Total downtime beyond 48hrs i.) >48 and <54 hrs (CTR) LD per hour will be</p>	<p>The penalty charges are very expensive & timeline is very short. The timeline shall start once authority inform Bidder about reader downtime.</p>	<p>Please make it i.) >54 and <62 hrs (CTR) LD per hour will be Rs. 1,000.00 ii.) =>62 hrs (CTR) LD per hours will be Rs. 2,000.00 The amount of such LD would be limited to maximum</p>	<p>Condition given in RfQ cum RfP shall remain unchanged.</p>

		<p>Rs. 3,000.00</p> <p>ii.) =>54 hrs (CTR) LD per hours will be Rs. 6,000.00</p> <p>The amount of such LD would be limited to maximum of 10% of the total contract value.</p>		of 5% of the total contract value.	
39.	6.3.4	<p>Post-Warranty Comprehensive AMC</p> <p>Total downtime beyond 48hrs</p> <p>i.) >48 and <54 hrs (CTR) penalty per hour will be Rs. 3,000.00</p> <p>ii.) =>54 hrs (CTR) penalty per hours will be Rs. 6,000.00</p> <p>The total amount of such penalty per month would be limited to maximum of 10% of the entire LDB system's cumulative AMC. This is in addition over LD</p>	The penalty charges are very expensive & timeline is very short. The timeline shall start once authority inform Bidder about reader downtime.	<p>Please make it</p> <p>i.) >48 and <54 hrs (CTR) penalty per hour will be Rs. 1,000.00</p> <p>ii.) =>54 hrs (CTR) penalty per hours will be Rs. 2,000.00</p> <p>The amount of such LD would be limited to maximum of 2% of the total contract value.</p>	Condition given in RfQ cum RfP shall remain unchanged.

40.	5.10.1 (2)	Applicant shall have an average annual turnover of at least INR 50 million or equivalent in US Dollars for last two financial years (2019-20 and 2020-21).	The project value mentioned by the NLDSL is 21 Crore so to execute such high value bidder should have financial capacity to invest in large value projects.	Applicant shall have an average annual turnover of at least INR 400 million or equivalent in US Dollars for last two financial years (2022-2023 & 2023-2024).	Condition given in RfQ cum RfP shall remain unchanged.
41.	5.10.1.4	The applicant should have supplied at least 50 RFID readers for outdoor usage as part of its installed base, in the last 3 years.	50 nos. experience criteria is not sufficient considering volume of business requirement.	Since the tender requirement is for 808 nos. of readers, then minimum reader supply criteria should be 50% of the requirement.	Condition given in RfQ cum RfP shall remain unchanged.
42.	5.10.4 (1, C)	The cumulative number of RFID readers supplied by the supplier for various projects in India.	Considering the 1800 nos. requirement by NLDSL, the minimum Qty to be consider for 10 marks scope should be 450 nos.	More than 450 nos. - 10 Marks	Condition given in RfQ cum RfP shall remain unchanged.
43.	6.3.2 Service Support:	OS updates and upgrades	OS security updates and upgrades min once in 90 days.	committed OS updates is necessary to ensure no known vulnerabilities are exposed in the system	Condition given in RfQ cum RfP shall remain unchanged.
44.	MII Purchase preference	Yes	No	This specification will address only Make in India readers and will not allow any other OEMs to participate.	Kindly refer Make in India Purchase Preference vide order no. P-45021/2/2017-PP (BE-II) dated 16th September,2020 issued by DPIIT, MoCI.
45.	6.2.1. Fixed reader				
(a)	Host Interface Protocol	Host Interface Protocol: [Must to have] LLRP + RM and latest	The reader should have the capability to communicate over MQTT to the broker and configure endpoints such as TCP/IP, WebSocket, HTTPS	MQTT, TCP/IP, HTTPS and WebSocket's are crucial protocols because they facilitate efficient, reliable,	Condition given in RfQ cum RfP shall remain unchanged.

		technologies if any. (The reader must retain transactional data even after power-off/restart of the device).	secure protocol etc. along with LLRP+RM.	and scalable communication between RFID readers and NLDS application.			
	API Support	[Must to have] .NET and C	Reader should support .NET, C and JAVA, OEM should provide the SDK with the sample code.	For seamless Integration, OEM APIs will allow software systems and applications to communicate with each other. Consumption of API will help in seamless integration of NLDS application. Sample code will be more helpful while integration.	Refer below: Kindly read the updated clause in RFP as below: Reader should support .NET & C, OEM should provide the SDK with sample code for seamless Integration with NLDSL application.		
(b)	Additional Points	Security protocols	Devices should support TLS 1.2 as per new mandates.	TLS 1.2 support is mandated for all govt operations to ensure that data security is maintained.	Refer below: Kindly read the updated clause in RFP for both Fixed Reader & HHD as below: <table><tr><td>Security protocols</td><td>(Must to Have) Devices should support TLS 1.2 or higher version</td></tr></table>	Security protocols	(Must to Have) Devices should support TLS 1.2 or higher version
Security protocols	(Must to Have) Devices should support TLS 1.2 or higher version						
			Devices should be certified for FIPS 140-2 to ensure no data pilferage is done while in motion.		Condition given in RfQ cum RfP shall remain unchanged.		
		Certifications	ALL certificates complied in main tender should be submitted.		Condition given in RfQ cum RfP shall remain unchanged.		
		Security Updates	OEM should provide Security updates for readers at least once in 90 days to restrict all vulnerabilities. The same should be testable using open platform tools.		Condition given in RfQ cum RfP shall remain unchanged.		

46.	6.2.3 RFID Handheld reader				
	Memory	512 MB RAM, 2 GB Flash with Micro SD Card 32 GB or better	min 3GB RAM and 32GB Flash or better	512MB is too less for Android operation	<p>The Memory mentioned must be minimum 512 MB RAM, 2 GB Flash with Micro SD Card 32 GB or better in the RfQ cum RfP.</p> <p>Accordingly, condition given in RfQ cum RfP shall remain unchanged.</p>
	Power	Min. 3600 mAh Li-Ion rechargeable battery for minimum 8-10 hrs of use in the field	min 7000mAh and above.	3600mAh is too less power to sustain full shift operation.	<p>Min. 3600 mAh Li-Ion rechargeable battery for minimum 8-10 hrs. of use in the field is mentioned in the RfQ cum RfP.</p> <p>Condition given in RfQ cum RfP shall remain unchanged.</p>
	Camera	Integrated Camera with Flash			Condition given in RfQ cum RfP shall remain unchanged.
	Display and Keypad	3.5 in. or more color VGA display Qwerty Keypad Physical and Virtual readable in sunlight.	min 5" Screen with Touch screen.		Condition given in RfQ cum RfP shall remain unchanged.
	Reading distance	contact to 3 meters or more.	min 10 meters or more.	3 meters is too less in practical field application.	Condition given in RfQ cum RfP shall remain unchanged.
	Battery Chargers/ Cradles:	4-slot battery charger	should be changed to single unit charging Dock	newer devices have better power management hence do not need frequent charging and battery changes	Condition given in RfQ cum RfP shall remain unchanged.
47.	6.3.2 Service Support:				
	Online access to operating system software	OS updates and upgrades	OS security updates and upgrades min once in 90 days.	committed OS updates is necessary to ensure no known vulnerabilities are exposed in the system.	Condition given in RfQ cum RfP shall remain unchanged.
48.	6.2.1 a) Please note following must have points regarding RFID Fixed Reader.				

		9. Device can operate seamlessly without stopping or affecting device performance at temperatures ranging from -40 degree to +60 degree.	Temperature should be same as above table of -20°to +55° C.	-20°to +55° helps cover entire India. For products locally manufactured, The Temp sensitivity needs to be checked for the entire device and not the module only.	Refer below: Kindly read the updated clause in RFP for both Fixed Reader & HHD as below: Device can operate seamlessly without stopping or affecting device performance at temperatures ranging from -20 degree to +55 degree. <table><tr><td>Operating Temp</td><td>-4°to +131° F</td></tr><tr><td></td><td>-20°to +55° C</td></tr></table>	Operating Temp	-4°to +131° F		-20°to +55° C
Operating Temp	-4°to +131° F								
	-20°to +55° C								
49.	Bid Participation on GEM	Bid Participation on GEM: Catalogue Offering	In Gem portal for participating on bid only single catalogue uploading option available but in RFP total 3-line item have. If we merge all 3 catalog and upload in single location as currently provisioned, then unable to put catalog offer price of each product item separately. Related query Screen shot attached below from GEM portal.	Kindly clarify how can we upload all 3 catalog and each price in single place.	Please create one single merged pdf file for catalogue and the price break up of 3 lines items shall be sought with the help of option 'Seek justification' after financial bid opening.				
50.	Bid Participation on GEM	Bid Participation on GEM: Offer Price.	In Gem portal, when we go the Offer Price, it is asking to offer unit price in single place for all 818 items (SAR, DAR and HHT) as well as AMC %. As you will appreciate, that Offer Price and AMC %, has to be separate for each RFP line item i.e. SAR, DAR and HHT. So please provide provision to offer unit price and AMC %age for each line item as per RFP. Related query Screen shot attached below from GEM portal.	Kindly clarify it.	The price break of each line items with AMC shall be sought after the financial bid opening through 'Seek justification'.				

51.	Section 6.2: Specifications 6.2.3 RFID Handheld reader Page No.: 40	Operating System	There is no information given regarding the operating system.	We suggest to have Android based operating system in the Handheld Reader as Windows CE is obsoleted and services have been stopped from Microsoft.	Refer below: Kindly read the updated clause in RFP for RFID Handheld Readers below: <table><tr><td>OS</td><td>(Must to Have) Current OS Version must be latest as of July 2024 & upgradeable to at least 2 upgraded versions with OEM Support in future.</td></tr></table>	OS	(Must to Have) Current OS Version must be latest as of July 2024 & upgradeable to at least 2 upgraded versions with OEM Support in future.
OS	(Must to Have) Current OS Version must be latest as of July 2024 & upgradeable to at least 2 upgraded versions with OEM Support in future.						
		Processor: 1 Ghz or better	The required specification of the processors is very old and outdated.	As per the current scenario, we suggest to use a processor of min 1.8 Ghz Octa-core because an average mobile phone in the market have a better specification than the required one.	The processor mentioned must be 1 GHz or better in the RfQ cum RfP. Accordingly, condition given in RfQ cum RfP shall remain unchanged.		
		Memory: 512 MB RAM, 2 GB Flash with Micro SD Card 32 GB or better	The required memory of the RAM and Flash is too low and out dated.	As per the current scenario, we suggest to use 3GB RAM and 32 GB Flash with micro-SC Card capacity which supports up to 128 GB to avoid any data loss. Also, an average mobile phone in the market has a better specification than the required one.	The Memory mentioned must be minimum 512 MB RAM, 2 GB Flash with Micro SD Card 32 GB or better in the RfQ cum RfP. Accordingly, condition given in RfQ cum RfP shall remain unchanged.		
		Communication: USB 2.0, Bluetooth Class II, v2.1 (EDR)	The mentioned Bluetooth technology is old.	We recommend to use Bluetooth v2.1+EDR, 3.0+HS, v4.1+HS or better.	Condition given in RfQ cum RfP shall remain unchanged.		

		Display and Keypad: 3.5 in. or more colour VGA display. Qwerty Keypad Physical and Virtual readable in sunlight.	3.5-inch VGA color display is outdated. Qwerty keypad is out dated.	The required display size and resolutions is quite old and outdated and no where present in the market. Also, Qwerty keypad is not in use in current practice. We highly recommend to use a screen size of min 4 inch and Touchscreen Virtual Qwerty Keypad in place of physical Qwerty Keypad as per the current scenario.	Condition given in RfQ cum RfP shall remain unchanged.
		Accessories Handheld reader, battery and charger with Indian standard power plug	The handheld reader box comes with a reader, charger, and data cable, please confirm if additional battery is also required to be given.	Our handheld reader easily gives 7–8-hour continuous working which will cover the entire working hours of the day, hence there is no requirement of extra batteries. Hence please accept a reader with integrated or single battery.	Spare battery is not mentioned in the RfQ cum RfP. Accordingly, condition given in RfQ cum RfP shall remain unchanged.
		Battery Chargers / Cradles: 4-slot battery charger	Since readers are coming with integrated batteries and charger is already given with the reader, there is no need of 4- slot battery charger.	Charger is already given with the reader hence, there is no need of 4-slot battery charger, kindly consider charger with Indian standard power plug.	Condition given in RfQ cum RfP shall remain unchanged.
52.	Section 6.2: Specifications 6.2.1 Fixed reader Page No.: 38 & 39	Processor: 600 MHz or better	The required processor is low.	Since at site, the frequency of tags passing by the reader is very high and there is major chance that having a low rated processor may miss the tag reading at this scenario, hence we highly recommend to use a processor which has min of 1.5 GHz frequency Octa Core to catch all the tag data	The processor mentioned must be minimum 600 MHz or better in RfQ cum RfP. Accordingly, condition given in RfQ cum RfP shall remain unchanged.

				which passes by the reader antenna.	
		Memory: Flash 128 MB; DRAM 128 MB or better	The required memory of the RAM and Flash is too low and out dated.	At the site, it may happen that internet connectivity may get affected for a very long time and in that scenario, the required memory may lead to important data loss. Hence, we recommend to use min of 2 GB of RAM 16 GB of Flash memory to avoid any data loss.	The memory mentioned must be minimum flash 128 MB; DRAM 128 MB or better in the RfQ cum RfP. Accordingly, condition given in RfQ cum RfP shall remain unchanged.
		7. Reader should be able retain time even without internet connectivity / reboot post a onetime sync with NTP Server / IP or time setting.	For maintaining the on-board date and time, CMOS battery is required in the reader main board, however there should be a define time for battery backup so that it can be defined that for how much time the reader should carry the date and time offline.	Please let us know for how long the reader should sustain the date and time on board after the device reboot without internet connection.	Condition given in RfQ cum RfP shall remain unchanged.
53.	Form T2 A: Undertaking by OEM for Technical Proposal Submission under Make In India	iii. We have submitted the "Make In India" certificate issued by Govt. of India along with this technical proposal. The Certificate stands valid at the time submission of the proposal. The certificate number	Govt of Indian doesn't provide any "Make in India Certificate" for the products.	We will provide local content certificate duly certify from the cost auditor along with this undertaking which will suffices the recruitment.	i Valid "Make in India" certificate stand removed ii. OEM's undertaking confirming that its technical proposal should be evaluated under "Make in India" initiative (As part of the Form T2A). iii. OEM/Manufacturer should provide a certificate from the statutory auditor or cost auditor of the company or from a practicing cost accountant or practicing chartered accountant giving the

		is [certificate number].			percentage of local content which should be more than 20%. (As part of the revised Form T2B).
54.	Submission date	Date Extension	Submission to be extended to 10th July.		Bid Submission date has been extended to 16th July 2024.
55.	5.10.4 Technical Evaluation Criteria	The cumulative value of the IT project contracts the applicant has executed till Proposal due date.	since this is cumulative value, the count of individual PO are high, contracts are followed by individual PO, a single declaration by applicant would be acceptable.		Condition given in RfQ cum RfP shall remain unchanged.
56.	5.2.2 Bid Security: EMD for MSEs applicant:	please confirm if all Micro, Small and Medium Enterprises (MSME)" are exempt from submission of EMD (Bid security) in this tender	is there is any specific category of MSME exempted	request to give exemption to MSME registered companies respective to any category.	Bid security is exempted for Micro and Small enterprise only. Medium enterprise must submit bid security as per tender condition.

57.	5.10 Minimum Qualification Criteria and Technical Evaluation	Applicant shall have an average annual turnover of at least INR 50 million or equivalent in US Dollars for last three financial years (2020-21, 2021-22 and 2022-23).	in Gem Document this amount is 410 lakhs, can same be considered.	FY20-21 was hit by Covid and dip in net revenue, would appreciate if 10% flexibility to MSME be considered.	Condition given in RfQ cum RfP shall remain unchanged.
58.	Reader Spec-Schedule II	Housing Aluminum: [Must to have] IP53 or better.	IP53 or better with additional enclosure is acceptable?	Please confirm if Reader with Enclosure is accepted to meet IP53 or better rating.	The Housing mentioned must be minimum IP53 or better in the RfQ cum RfP. Accordingly, condition given in RfQ cum RfP shall remain unchanged.
59.	Reader Spec-Schedule II	Firmware and Management protocol supported: Firmware and Management protocol supported Remote firmware management capability using web browser and web tools and RM 1.0.1 (with XML over HTTP/HTTPS and SNMP binding) and latest technologies if any	confirmation requested.	please confirm if OEM own tool supporting Firmware and Management protocol is allowed. Business requirement will be addressed.	Condition given in RfQ cum RfP shall remain unchanged.

60.	Reader Spec-Schedule II	Max Receive Sensitivity ISO standard: 100 dbi or more bistatic, 80 dbi or more monostatic ISO 180006C (EPC Class 1 Gen 2) ISO 180006B.		ISO 180006B standard is obsolete Max Sensitivity as per standard is 70dbi for 30dbm reader	Condition given in RfQ cum RfP shall remain unchanged.
61.	Reader Spec-Schedule II	Power Output: +10dBm to +33dBm	+30 dbm reader is already working on Toll projects, should be acceptable.		Condition given in RfQ cum RfP shall remain unchanged.
62.	Reader Spec-Schedule II	Specific Absorption Ratings: complies to FCC 47CFR2: OET Bulletin 65; EN 50364	by OEM declaration, only applicable for Antenna		Condition given in RfQ cum RfP shall remain unchanged.
63.	Reader Spec-Schedule II	Humidity: 5% to 95% non-condensing	as per standard.		Condition given in RfQ cum RfP shall remain unchanged.
64.	Reader Spec-Schedule II	service center: OEM should have in country service center	OEM declaration should be acceptable.		Condition given in RfQ cum RfP shall remain unchanged.

65.	Reader Spec-Schedule II	OEM should make available indigenous file transfer mechanism to transfer files into the reader without any 3rd party software dependency.	please confirm if OEM own tool for configuration & file transfer is allowed. Business requirement will be addressed.	OEM approved process should be OK.	Condition given in RfQ cum RfP shall remain unchanged.
66.	Reader Spec-Schedule II	Availability of Peer-to-peer connectivity for reader configuration, configuration file transfers & EDGE native application transfer without any requirement of internet or dependency on 3rd Party software saved on Reader or dependency on external appliances like monitor, TV Screen	please confirm if OEM own tool for configuration & file transfer is allowed. Business requirement will be addressed.	OEM tool should be ok.	<p>“Peer-to-peer connectivity” means connectivity between one laptop & one reader at a time.</p> <p>Condition given in RfQ cum RfP shall remain unchanged.</p>
67.	Reader Spec-Schedule II	GUI availability to run EDGE native application installed in readers.	OEM configuration tool GUI is available.		Condition given in RfQ cum RfP shall remain unchanged.

68.	Reader Spec-Schedule II	Script / GUI availability to start EDGE native application automatically on reader reboot.	as per business requirement API integration is asked, script on reader may not be required.		Condition given in RfQ cum RfP shall remain unchanged.				
69.	Reader Spec-Schedule II	GUI Based Reader Administrator Console functioning simultaneously with generic EDGE native application to monitor various reader parameters & logs.	OEM own tool configuration & troubleshoot tool available.		Condition given in RfQ cum RfP shall remain unchanged.				
70.	Point 9	Device can operate seamlessly without stopping or affecting device performance at temperatures ranging from -40 degree to +60 degree.	-20 to +55 standard supported.		<p>Refer below:</p> <p>Kindly read the updated clause in RFP for Fixed Reader as below:</p> <p>Device can operate seamlessly without stopping or affecting device performance at temperatures ranging from -20 degree to +55 degree.</p> <table><tr><td>Operating Temp</td><td>-4°to +131° F</td></tr><tr><td></td><td>-20°to +55° C</td></tr></table>	Operating Temp	-4°to +131° F		-20°to +55° C
Operating Temp	-4°to +131° F								
	-20°to +55° C								

71.		Humidity Tolerance Standard: MIL-Std 810G, METHOD 507.5, Procedure II Aggravated.	Product is designed to meet the standard; OEM declaration should be acceptable.		Condition given in RfQ cum RfP shall remain unchanged.
72.	Hand Held	Ruggedness	IP 67 rating with additional cover of HHT is acceptable?		Condition given in RfQ cum RfP shall remain unchanged.
73	Schedule -III SLA and Liquidated Damages for Comprehensive	Warranty Liquidated Damages	The amount of any LD should be limited to maximum of 5% of the total invoice value of the respective delivery		Condition given in RfQ cum RfP shall remain unchanged.
74.		Post-Warranty Comprehensive AMC	Payment to be 6 month advance LD should limit to 5% of the respective invoice value		Condition given in RfQ cum RfP shall remain unchanged.

Note: It is also informed that the last date of bid submission is extended till 16th July 2024.

Form T2 B: Certificate from the Statutory Auditor for value of “Local content” under Make In India

[Location, Date]

To,

CEO, NICDC Logistics Data Services Limited (NLDSL)

(Formerly Known as DMICDC Logistics Data Services Limited)

Unit No. A-1002, 10th Floor, Tower-A, Plot No.7,

Advant Navis Business Park, Sector-142,

Noida, Gautam Buddha Nagar, Uttar Pradesh-201305

RFQ cum RFP dated [date] for selection of supplier for [name of assignment]

Dear Sir,

This is to certify that [name of company] [registered address] has the manufacturing unit established in India. The details of the “Local content” as defined by DPIIT through circular No. P-45021/2/2017-PP (BE-II); dt 16th September 2020 is provided below.

Address of the manufacturing center:

[Address]

Make/ model of the certified product:

[Make/ model]

Sl No	Name of the Component made in India	Percentage (%) of Local Content

Name of Authorized Signatory

Designation

Name of firm

Signature of Authorized Signatory

Seal of Audit firm