

GOVERNMENT OF PAKISTAN
HEADQUARTER NATIONAL LOGISTICS CORPORATION
INVITATION TO TENDER
FOR PROCUREMENT OF 500 x CSD (CONTAINER SECURITY DEVICES) ON FOR
RAWALPINDI/KARACHI BASIS
INSTRUCTION TO TENDERERS - WORDS OF CAUTION

1. **Participation of Tender.** The tender can be participated by following: -
 - a. OEMs (Original Equipment Manufacturers).
 - b. OEM Authorized Dealers / Re-Sellers having OEM Authorization Letter with sustained financial capability.
2. **Eligibility / Bid Qualification Criteria.** The bidder must prove his eligibility by completing the Bid Qualification Criteria as following.

Ser	Check List	Yes / No
a.	Tender Fee	
b.	Bid Security	
c.	Copy of NTN / STRN and Active Tax Filler with 100% compliance	
d.	Certificate to compliance to the GSR	
e.	Authorization Letter from OEM	
f.	Manufacturers Datasheet	
g.	Complete Tech Data of Equipment	
h.	90 x Days Offer Validity	
i.	Confirmation to Delivery Period	
j.	Comparison Chart (NLC Specifications and Firm Offer)	
k.	Not Blacklisting Affidavit	
l.	Certificate mentioning that "Financial Offer is as per format given by NLC (Refers para 8g of Bidding Documents)	

m.	Certificate to accept all conditions of tender	
n.	List of Major Clients	
o.	Hierarchy of the firm along with portfolio of owner & top management be attached	

3. **Special Conditions**

- a. Bidder must provide the Authorization Letter from OEM / Authorize Dealer / Re-Seller.
- b. Quoted items / equipment should be Branded and Brand New.
- c. Offer should also accompany complete technical data of the equipment.
- d. Firms must provide all relevant import documents to the purchaser (If Required).
- e. Offers must be prepared on firm's letter head, accompanied by the schedule to tender duly completed / signed / stamped by authorized executive (by name) of the firm without which the offer will not be entertained.
- f. In case, any firm fail to supply the tendered store as per the Letter of Acceptance / contract Agreement, the NLC has the right to take punitive action against defaulter firm that include confiscation of its bid security, Performance Bank Guarantee and ban to participate in the tender etc.

4. **Rejection of Bid**. A bid will be rejected under following circumstances: -

- a. Bids not qualifying the bid evaluation criteria, as mentioned above.
- b. Offers not accompanied with complete technical specifications of items being offered and not supported with detailed technical brochures.
- c. Non responsive bid to any single required criteria / specification.
- d. Non submission of Tender Fee & Bid Security.
- e. Late submission of tender from given date & time.
- f. Offers not complying with the special instructions (para 3 & 4) in addition to other conditions.

5. **Particulars and Specifications.** Standard particulars, and specifications of Container Security Devices required to be procured are attached at **Annex 'A'**. The bid must conform to the asked specifications / requirement and acceptance criteria.
6. **Delivery of Tender.** The original copy of the tender is to be enclosed in double cover. (i) Technical Offer (ii) Commercial Offer, separately. The covers should be sealed and bear tender Enquiry Number and date of opening, while the outer cover should bear only address of this office without any indications.
7. **Date and Time for Submission of Tender.**
 - a. Tender must reach at HQ NLC, Harding Road, Rawalpindi by the date and time specified in tender notice by hand or by post.
 - b. Tender must be dropped in the tender box before given time.
 - c. NLC will not be responsible for delay occurring in post.
8. **Price**
 - a. The firms must quote prices inclusive of all taxes, packing and delivery at Rawalpindi/Karachi as per format attached at **Annex "B"**.
 - b. The price must be quoted in **PAK RUPEE** in figures and words at the appropriate space of the schedule to tender.
 - c. Additional information, if any, must be linked with entries on the Schedule to Tender.
 - d. Prices quoted should be firm and final.
 - e. Tax exemption (if any) may be provided with the tender documents.
 - f. Firm's financial offer must be on letter head duly signed and stamped by executive authority, otherwise offer will be rejected.
 - g. 0.25% of the value of contract agreement should be submitted to Pakistan Government under the Stamp Duty Act 1899.
 - h. In case of increase in tax by GOP, the additional tax will be paid by purchaser.

9. **Validity of Offers.** The validity period of quoted rates must be indicated and should be at least 90 days from the date of opening the tender without any condition, extendable for further processing of the case, if required.
10. **Delivery Period.** Trackers along with Allied Accessories must be delivered within 60 x days after issuance of LOA (Letter of Acceptance) or Award of Contract (whichever is earlier) at prescribed location, beyond which Late Delivery Charges will apply.
11. **Packing.** Unless a method of packing is indicated in the specification in the schedule to tender form, the method of packing proposed by supplier must be described in schedule to the tender form. Contractors are at liberty to quote for additional alternative sizes and description of packs and these must be described in the schedule of tender. Packing should be such that item shall not damage in transit till place of delivery. **SAFE DELIVERY OF ITEMS IS SOLE RESPONSIBILITY OF FIRM.**
12. **Inspection**
 - a. **Pre-Delivery Inspection**
 - (1) Pre-delivery inspection may be carried out at firm's premises before supply, by team of HQ NLC (If Required).
 - (2) Inspection will include Quantity, Quality, Conformation to the agreed specification as per LOI / Contract agreement.
 - (3) Firm will dispatch the items / equipment to prescribed location as mentioned in schedule of tender.
 - (4) Inspection (If Required) should preferably be kept at Rawalpindi / Islamabad. Inspection out of Rawalpindi / Islamabad will be carried out on the expenses of firm including travelling, boarding / lodging etc.
 - b. **Final Inspection.** Final Inspection will be carried out by the consignee after delivery & installation for any damages / breakages during transportation and successful functioning.
12. **Arbitration.** Any bidder feeling aggrieved by any act of procuring agency after submission of his bid and prior to award of the contract may lodge a written complaint to procurement agency under Rule - 48 PPRA.

13. **Risk and Expense**. Failure to supply the goods quoted or failure to meet the commitment made regarding delivery schedule, specifications, short supplies etc will authorize HQ NLC to purchase the items at firm's risk and cost.
14. **Force Majeure**. The supplier will not be held responsible for any delay occurring the supply of contracted stores due to event of force majeure such as Act of God, War, Riots, Civil Commotion's Strikes, lock out or disturbance directly affecting the supply over which the supplier has no control. In such an event the contractor shall inform the Purchaser within 15 days of the happening in writing. Non-availability of raw material for the manufacture of stores or the export permit for the export of the contracted stores from the country of its origin shall not constitute Force Majeure.
15. **Late Delivery**. Late Delivery charges will be imposed @ 1% per month or no of days delayed on total cost of contract with effect from original delivery date.
16. **Terms of Payment**
 - a. 100% Payment will be made after delivery and Final Inspection after installation and issuance of CRV (Certified Receipt Voucher) by the consignee.
 - b. Advance payment will only be applicable with submission of Advance Bank Guarantee from AAA ranking bank.
17. **Tender Fee and Bid Security**. Both will be prepared in the shape of bank draft in favor of "**National Logistics Corporation HQ Main Account**" and submitted as following: -
 - a. **Tender Fee**. Rs 2,000/- must be attached with Technical offer.
 - b. **Bid Security**. Rs 200,000/- must be attached with Technical offer.
18. **Bank Guarantee**
 - a. Performance Bank guarantee valuing 5% of the contract value must be provided / deposited by the successful firm for award of contract, within 15 days from the signing of the contract / issuance of Letter of Intent (whichever is earlier).
 - b. The Guarantee should be from a schedule bank of "AA" rating and valid till one month after warranty period.

- c. Performance Bank Guarantee should be as per format provided by NLC and the currency of PBG should be same as the currency of financial offer.
19. **Warranty Period.** The **warranty period** of equipment will be **One year** starting from the date of CRV. Firm will give comprehensive warranty (duly supported by the OEM).
20. **Comparison Chart.** Firms will also attach comparison chart along with their offer on following lines: -

NLC Specification	Firms Specification	Complied with or Not	Remarks

21. **Evaluation:** Technical offer of bidders found eligible and qualified as per “**Bid Qualification criteria**” will be evaluated as per specifications (Annex “A”). Financial offers of technically approved bidders will be opened and bidder with the lowest financial proposal will be considered most advantageous bid.

General Manager Procurement, HQ NLC

NL-2

HEADQUARTERS NATIONAL LOGISTIC CORPORATION

GENERAL CONDITIONS GOVERNING CONTRACT

1. Tender will be opened at HQ NLC, Harding Road Near AFIRM Rawalpindi at Date and Time mentioned in the newspaper ad.
2. Tender will be submitted in accordance with PPRA Rule 36(b) i.e Single Stage – Two Envelope Procedure.
3. Summary of equipment required to be procured is as under:-

Ser	Items Description	Quantity
a.	CSD (Container Security Device) on FOR Rawalpindi /Karachi Basis	500

NL-3

Address_____

Telephone_____

Code Used_____

From: _____

To:

THE DIRECTOR GENERAL

NATIONAL LOGISTICS CORPORATION QMG's BRANCH

R.A. BAZAAR GHQ RAWALPINDI

Dear Sir,

I/We hereby offer to supply to the Director General NLC, the stores as per detail in the Scheduled hereto or such portion thereof as you may specify in the contract at the prices given in the said schedule and agree to hold this offer open till _____. I/We shall be bound by a communication of acceptance dispatched within the prescribed time.

2. I/We have understood the instructions to Tenders and Conditions of Contract as laid down in form NL-2 to "General Conditions Governing Contracts" and have thoroughly examined the specificity/drawing and or pattern quoted in the schedule hereto and am/are fully aware to the nature of the stores required and my/our offer is to supply stores strictly in accordance with the requirements.

3. Recommended technical manual/ data are also enclosed with the offer.

4. The following pages have been added to and form part of this tender:-

Your faithfully

(Signature of Tendered)

Address_____

Dated _____

Signature of witness_____

Address_____

SPECIFICATIONS

1. Product Features:

Built-in Iridium module.
 Built-in 4G&GPS module.
 Built-in larger Rechargeable battery.
 Support 4G/Iridium network data transmission.
 Support Lock ON/UNLOCK alarm(Physical switch).
 Support Lock-string cut alarm.
 Support detach alarm.
 Support casing tamper alarm.
 Support battery low power alarm.
 Support Solar charging.
 Support IP67 water proof standard.
 Support dual SIM;
 Support Bluetooth;
 Support LoRa.

2. Packing List:

No.	Name	Count
1	AT10+ Lock device	1
2	Lock string wire	1
3	AT200+(LoRa&Bluetooth)	Optional

3. Technical Specifications:

Name	Parameters
Iridium satellite module	9602N
9602N Typical Power Consumption at +5.0 VDC	Idle Current (average*): 35mA; Idle Current (peak): 170mA; Transmit Current (peak): 1.3A; Transmit Current (average*): 140mA; Receive Current (peak): 170mA; Receive Current (average*): 40mA; SBD message transfer - average current*: 150mA SBD message transfer - average power*: <=0.8 W
Satellite Frequency	1616MHz - 1626.5MHz
Solar panel	6V 1.8W Solar panel
Solar panel Typical Electrical Characteristics	Solar Cells: Mono crystalline Solar Cell; STC Conditions: 1000W/m ² , 1.5AM and Cell Temperature 25°C; Efficiency: 21%; Max Power Output: 1.8W± 5%; Vmp: 6V± 5%; Imp: 300mA± 5%; Voc: 7.2V± 5%; Isc: 325mA± 5%; Operating Temperature: - 40°C to +80°C; Storage Temperature: - 20°C to +25°C(Humidity not greater

	than 60%); Power Tolerance: - 5% to 5%; Cell Quantities: 22 pieces; Battery conversion efficiency (%): 22%.
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Solar panel Physical Characteristics	Module Dimension: 112x95x3mm; Tolerance of Dimension: $\pm 0.2\text{mm}$; Tolerance of Thickness: $\pm 0.2\text{mm}$.
Color	Black
4G(Optional)	EC200U-CN LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41 GSM:B3/B8
GPS chip	(Zhongke Microelectronics) AT6558R Acquisition sensitivity: -148dBm Tracking sensitivity: -162dBm GPS frequency: L1, 1575.42MHz Locate Sensitivity: <5m, CEP Hot start(average): <1s Cold start(average): <30s
Sleep mode Current	Around 3mA@3.7V battery
Back-up Battery	15000mAh rechargeable lithium battery
Size	195*116*46mm(without Bottom fixed tray) 195*242*65mm(with Bottom fixed tray)
Tracker weight	1336g
Working temperature (High Temp battery)	-30°C - +75°C
Moisture	5% - 95%
LED Indicator	Use red/green/blue/green/(red/orange/green) seven color LED indicator to show the status of GSM/GPS/Iridium/Lora/power(charging/low power/charge full)status.
Bluetooth	• 32-bit ARM Cortex-M4 core + FPU • 2.4 GHz RF transceiver, support BLE5.0 • High receiver sensitivity (-94dBm@BLE) • Programmable transmitter power, up to +3dBm • Built-in Balun/matching network • Receive power consumption: 3.5mA@3.0V (DCDC) • Transmit power consumption: 3.6mA@3.0V/0 dBm (DCDC)
LoRa	Frequency: 410~525MHz Distance: Configurable 3Km, @open area, 125K bandwidth Emission current:

	120mA@Maximum transmit power 22dBm Receiving current: 10mA @Continuous reception mode
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4. Define of LED Indicator

No.	Name	Color	Status	
1	GSM	Red	1s Blinking	Finding SIM/Searching the 4G/GPRS signal
			3s Blinking	Get GPRS signal/Online
			OFF	4G/GPRS in sleep/closed
2	GPS	Green	1s Blinking	Finding GPS signal
			3s Blinking	Get GPS signal
			OFF	GPS in sleep
3	Iridium	Blue	Blinking	Searching iridium signal
			Light on static	Get iridium signal
			OFF	In sleep/closed
4	LoRa	Green	Blinking	Receiving Lora signal
			OFF	No Lora signal/power off
5	Charging	Orange	ON	Charging
	Low power	Red	ON	Low power
	Charge full	Green	On	Fully Charged

5. Device Installation:

5.1 Prepare works

- ✧ AT10+ lock tracker
- ✧ Lock string

5.2 Interface & switches

SIM1;

SIM2;

USB for configuration/check log/upgrade FW; Power switch;

Tamper switch;

IR for detach detection.

5.3 Lock ON

Just insert the lock wire into the hole, the lock hole will lock on by AUTO.

5.4 Unlock

Press button to get it unlock(Physical unlocking only)

5.6 Charger

External power charger OUTPUT: 5V/2A

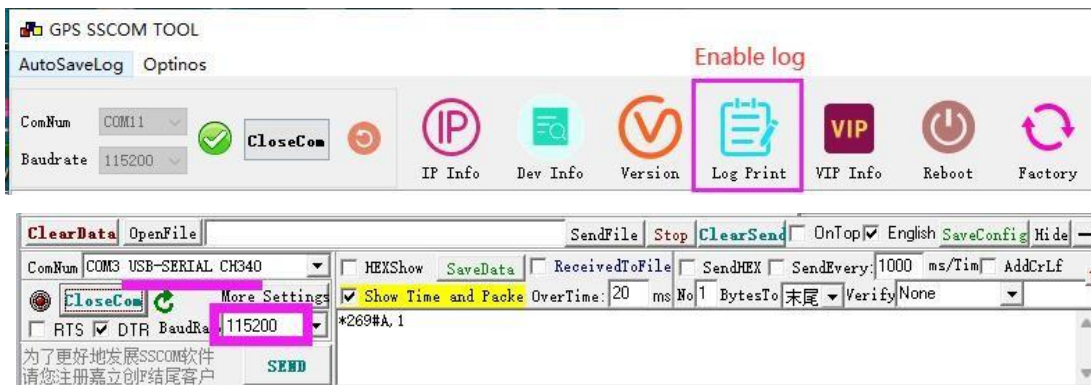
Solar panel charging with sunlight

6 Serial Port Configuration:

Serial cable



Enable log with GPS SSCOM:



Enable log
with GPS
SSCOM:

7 Upgrade Steps

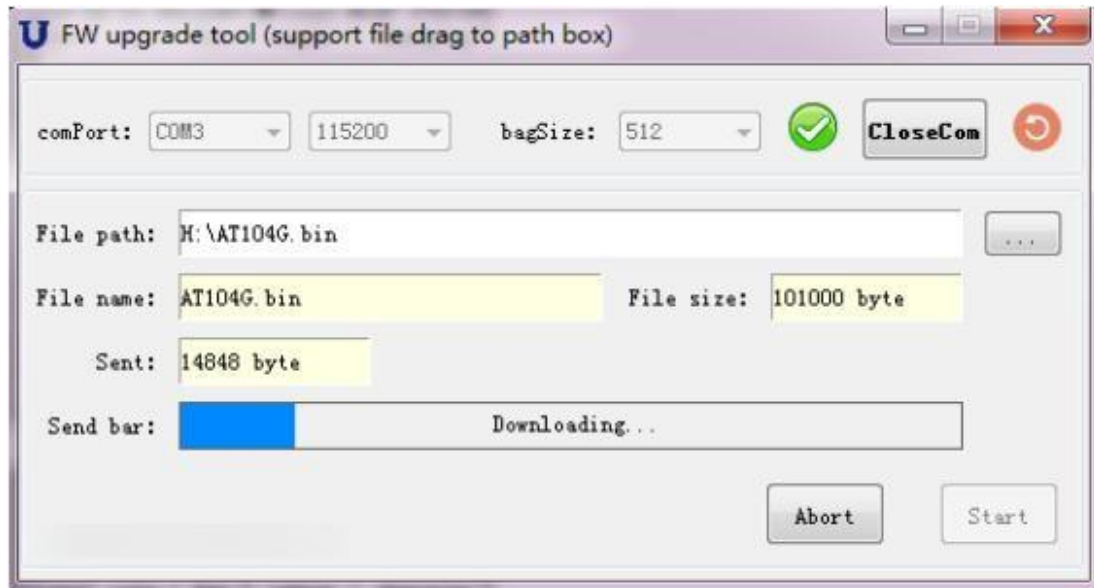
1. Install the eFWTool.Driver:

eFWTool Driver	2012/4/19 17:52	应用程序	1,721 KB
eFWTool	2022/9/14 14:54	应用程序	860 KB

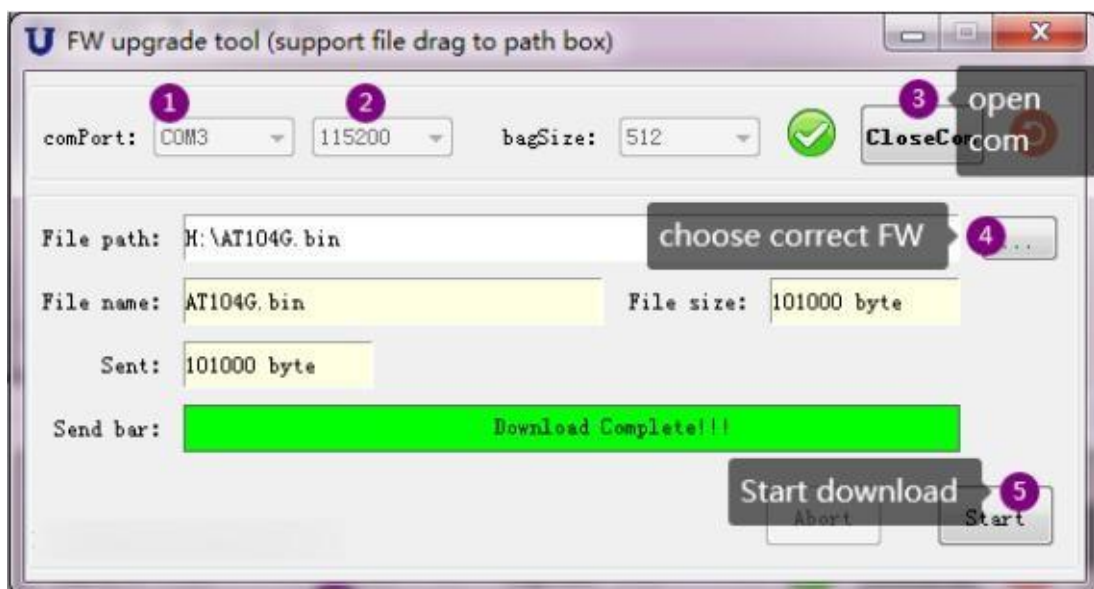
2. serial cable:



3. Power on the device, **make sure the device is under working status, LED blinking normal;**
4. Connect device to computer and set the FW upgrade tool as below:



Choose the FW file: .bin first, then open the comport, follow below steps:



Annex “B”

Tender No:

1. Financial offer must be as per following formats: -

Ser	Equipment	Qty	Unit Price	Total Price
a.	CSD (Container Security Device)	500		

Note

- a. Price is required to be quoted on **FOR Rawalpindi & Karachi** basis, which must include delivery, installation charges, and all taxes / duties. Brochure / manufacture specifications (in original) must be attached.
- b. Firm must submit their financial offer as per above mentioned schedule to tender otherwise offer will be rejected.