



AAI CARGO LOGISTICS & ALLIED SERVICES CO. LTD.
NEW INTEGRATED CARGO TERMINAL
NSCBI AIRPORT, KOLKATA-700 052

NOTICE INVITING TENDER

Name of work : **Provision of Second ULD's platform in front of second x-ray machine of APEDA, NICT, NSCBI Airport.**

Estimated Cost : Rs. **2,34,86,330/-** Excl.GST

E.M.D : Rs. **4,69,727 /-**

Time Allowed : 90 (Ninety) Days

This NIT contains pages 01 to 170 (Pages One to One Seventy) only.

(TIRTH DEO)

MANAGER-ELECTRICAL

AAICLAS, NSCBI AIRPORT, KOLKATA

Approved By

(RAIJUL NANDY)

REGIONAL MANAGER

AAICLAS, NSCBI AIRPORT

KOLKATA

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This NIT contains 170 pages as detailed above.

NOTICE INVITING e-TENDER

Tender ID No. 2020_AAICL_62665_1

Item rate tenders are invited through the e-tendering portal by Manager (Electrical),(Bid Manager)(Mobile no.-9836061112) on behalf of Chief Executive Officer ,AAICLAS from the eligible contractors for the work of "Provision of Second ULD's platform in front of second x-ray machine of APEDA, NICT, NSCBI Airport." at an estimated cost of Rs. **2,34,86,330** /- (excluding GST) with period of Completion 90 (Ninety) days.

The tendering process is online at e-portal URL address <https://etender.gov.in/e procure/app> or <https://aaiclas-ecom.org>. Aspiring bidders may download and go through the tender document.

Prospective Tenderers are advised to get themselves register at CPP-portal, obtain 'login ID' & 'Password' and go through the instructions available in the Home Page after log in to the CPP-portal <https://etender.gov.in/e procure/app> or aaiclas-ecom.org. They should also obtain Digital Signature Certificate (DSC) in parallel which is essentially required for submission of their application. The process normally takes 03 days' time.

Tender fee of Rs 1180/- (i/c GST) Non-refundable will be required to be paid offline in the form of Demand Draft from Nationalized or any scheduled Bank (but not from co-operative or Gramin Bank) in the favour of AAICLAS Co LTD. The original Demand Draft against Tender fee should reach by post/courier/given in person to the concerned officials, within 3 days of the last date of bid submission or as specified in the Tender .

Document. The details of Demand Draft / any other accepted instruments, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time.

1. Following 3 envelops shall be submitted through online at CPP-portal by the bidder as per the following schedule: -

CRITICAL DATA SHEET

Publishing Date	23.11.2020
Bid Document Download/ Sale Start Date (Next Day of Publishing Date)	24.11.2020 ,0930 hours
Site Visit	26. 11.2020 , 1030 hours
Clarification Start Date	24.11.2020 ,0930 hours
Clarification End Date	27.11.2020 ,1600 hours
Bid Submission Start Date	24.11.2020 ,1600 hours
Bid Submission End Date	04.12.2020,1500 hours
Last date and time of submission of original BG/Demand Draft against EMD and Tender Fee, Signed hard copy of AAICLAS Unconditional Acceptance Letter and signed Integrity Pact.	05.12.2020,1500 hours
Bid Opening Date (Envelope-I)	07.12.2020,1600 hours
Bid Opening Date (Envelope-II)	To be Intimate through CPP Portal

Envelope-I: - Containing qualifying requirements of Contractor/ Firm: -

The tenderer shall submit their application only at CPP portal

<https://etenders.gov.in/eprocure/app>

Tenderer/ Contractor are advised to follow the instruction provided in the tender document for online submission of bids.

Tenders are required to upload the digitally signed file of scanned documents along with scanned copy of Demand Draft for Tender Fee. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

Uploading of application in location other than specified above shall not be considered. Hard copy of application shall not be entertained.

Qualifying requirements of contractors/ firms.

- i) Agency should have Permanent Account Number (PAN) and Trade License of Mechanical work as well as associated electrical works.
- ii) Agency should have valid Registration on the Date of issue of Tender in appropriate class of CPWD/MES/P&T/Railways/State PWD/PSU/Municipal Corporations & Development Authorities of Delhi, Mumbai, Chennai and Kolkata.

&

Agency should have satisfactorily completed (Phase/Part completion of the scope of work in a contract shall not be considered, however pre-determined phasing of the work will be accepted) three works, each of Rs.93,94,532 /- or two works, each of Rs. 1,17,43,165/- or one work of Rs.1,87,89,064 /- in single contract of similar nature i.e. Supply, installation, testing & commissioning of ULD Platform during last seven years ending on 31.03.2020 in India..

“The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of submission of bid”.

Client certificate for experience should show the nature of work done, the value of work, date of start, date of completion as per agreement, actual date of completion and satisfactory completion of work. Firms showing work experience certificate from non-government/non-PSU organizations should submit copy of tax deduction at sources certificate in support of their claim for having experience of stipulated value of work.

- iii) Should have annualized average financial turnover of Rs. 70,45,899 /- against works executed during of the previous last three years ending 31st March financial year. As a proof, copy of Abridged Balance Sheet along with Profit and Loss Account Statement of the firm should be submitted along with the application. Firms showing continuous losses during the last three years in the balance sheet shall be summarily rejected.

- iv) Should possess (**Concrete Batching Plant, Computerized Hot mix Plant, Paver etc.) documentary proof of owning and possession of machinery and T&P shall also be submitted along with the application. The land can be either freehold or lease hold. In case agency does not own or possess required plant and machinery, an undertaking to this effect shall be provided either by purchase or lease hold basis if work is awarded to them, to be submitted along with the application and deployment shall be as per requirement at site decided by the Engineer In-Charge.

Envelope-II: - Technical Bid containing scanned copy of Unconditional Acceptance of AAICLAS's Tender Conditions and EMD.

Scanned copy of earnest money deposit (EMD) of value Rs. **4,69,727** /- in the form of Demand Draft / FDR / Bank Guarantee as stipulated in the notice inviting tender may be submitted in "Tech Bid Folder" in Technical Bid / Attachments section of e-tendering portal along with Unconditional Acceptance of AAICLAS's Tender Conditions (Performa given in Tender Document).

Envelope-III: - The Financial e-Bid through CPP portal.

All rates shall be quoted in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

2. Original EMD, hard copy of signed Unconditional Acceptance of AAICLAS's Tender Conditions to be sent to the Regional Manager, NICT Building, NSCBI Airport, Kolkata - 700 052 and should reach to Bid Manager before the date & time mentioned in CRITICAL DATA SHEET. Tender of the tenderer whose EMD and unconditional acceptance of AAICLAS's tender conditions are not received by the time of the opening of pre-qualification of tender then their tenders will be summarily rejected. Any postal delay will not be entertained..

3. Bids Opening Process is as below: -

Envelope-I: Containing Documents for pre-qualification bid (uploaded by the contractors / firms) shall be opened as per CRITICAL DATA SHEET. The intimation regarding acceptance/rejection of their bids will be intimated to the contractors/ firms through e-tendering portal.

Envelope-II: Technical bid opening date shall be as mentioned in CRITICAL DATA SHEET. (Depending on pre-qualification, any change in the date shall be intimated through CPP portal).

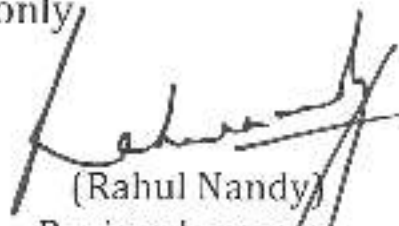
If any clarification is needed from the bidder about the deficiency in his uploaded documents in Envelop - I and Envelope -II, he will be asked to provide it through CPP portal. The bidder shall upload the requisite clarification/documents within time specified by AAICLAS, failing which tender will be liable for rejection.

Envelope-III: The financial bids of the contractors/firms found to be meeting the qualifying requirements and technical criteria shall be as per CRITICAL DATA SHEET. (Depending on Technical Bid evaluation the date shall be intimated through CPP portal).

4. AAICLAS reserves the right to accept or reject any or all applications without assigning any reasons. AAICLAS also reserves the right to call off tender process at any stage without assigning any reason.
5. AAICLAS reserve the right to disallow issue of tender document to working agencies whose performance at ongoing project (s) is below par and usually poor and has been issued letter of restrain/Temporary/Permanent debar by any department of AAICLAS. AAICLAS reserve the right to verify the credential submitted by the agency at any stage (before or after the award the work). If at any stage, any information/documents submitted by the applicant is found to be incorrect/false or have some discrepancy which disqualifies the firm then AAICLAS shall take the following action:
 - a) Forfeit the entire amount of EMD submitted by the firm.
 - b) The agency shall be liable for debarment from tendering in AAICLAS, apart from any other appropriate contractual/ legal action.

Consortium /JV companies shall not be permitted. No single firm shall be permitted to submit two separate applications.

6. Purchase preference to Central Public Sector Undertaking shall be applicable as per the directive of Govt. of India prevalent on the date of acceptance.
7. Concessions to Indian Micro & Small Enterprises (MESs) units will be given as per the provisions (para-10) of public procurement policy for MESs order 2012, MSEs (Micro & Small Enterprises) registered with DIC/NSIC/KVIC/KVIB/Directorate of handicraft and handloom etc.
8. All quoted rates shall be exclusive of GST & ESI , EPF BORNE by bidders only


(Rahul Nandy)
Regional anager,
AAICLAS, NSCBI Airport
Kolkata-700052.

Schedule of Items

Name of Work : " Provision of Second ULD's platform in front of second x-ray machine of APEDA, NICT, NSCBI Airport."

Sl.No	Particulars	UOM	Qty	Agency Quote	
				Unit Price (Excl. GST)	Total (in Rs.)
1.	Removal of Existing system(Ball Mat,Roller Mat and associate platforms,if applicable) from APEDA (including Manpower/labour charges, required tools and trackles)	Lot	01		
2.	Supply Materials a. Build Up Breakdown station b. Integrated Weighing System c. Motor Powered Roller Deck d. Castor Deck Conveyor System e. Scissor Lift	Nos Nos Nos Sq.M Nos	01 02 02 108.15 01		
3.	Installation of Equipment as per serial no -2 (including Manpower, T&P)	Lot	01		
4.	Testing & Commissioning of Equipment as per serial no - 2	Lot	01		

Note :- (i) GST shall be extra and shall be reimburse as per actual.

(ii) Pre site visit will be done before submitting the Bid.Specially for Castor Deck Supply materials.

Above mentioned qty for castor deck is Room Measurement.

(iii) Please refer Site drawing for measurement in Annexure B

Annexure – A

Lowering Build-Up Break Down Workstation, 10ft

Workstation for building-up and breaking-down 10 ft main deck pallets. Safe Working Load: 7,000 kg

The workstation consists of a hydraulic operated scissor lift with a roller deck to be installed in a concrete pit. The workstation operates at variable heights between 508 mm above floor level and 1,500 mm below floor level.



Example of a Lowering Build-Up / Break Down Work Station

Hydraulic Scissor Lift

The hydraulic operated scissor lift consists of a steel support frame for floor mounting and a top frame for support of the roller deck.

The lifting and lowering functions are affected by means of a heavy duty scissor structure in combination with two hydraulic cylinders. For inspection or maintenance purposes, solid safety supports (props) are installed on both sides in the scissor lift.

The scissor lift is powered by a Hydraulic Power Pack (HPP) including a pump, oil tank and control valves. Connection is by means of flexible hoses with rupture valves. The pump used is of the low noise type to reduce the noise emission to an absolute minimum (< 70 dB(A)).

The workstation is installed in a concrete pit in which the HPP is also placed.

A side extension of the pit is protected by a heavy steel plate cover including a manhole. A ladder is provided for access to the lift and HPP for inspection, maintenance or repair.

The workstation is equipped with steel side-skirts for operator safety.

Low profile steel barriers are provided around the roller deck area to protect the workstation against possible impact caused by mobile material handling equipment.

Operator Control Box

The control box with push buttons, signal lamps and emergency stop button for the operator is to be fitted at a suitable location near the workstation.

Central Electrical Cabinet

The electrical cabinet with the required interlocking and switch gear for the motors is to be installed in the foundation pit.

Roller Deck

We refer to the separate data sheet for a detailed description of the roller deck.

Weighing System (optional, not included)

The workstation will be fitted with an integrated weighing system equipped with:

- 4 heavy duty stainless steel load cells, beam type, 50 kN capacity
- Junction box and weight indicator for display of tare, net, and gross weights.
- Weighing capacity 8,000 kg with 5 kg divisions.

The weighing system will be pre-tested in our factory and is to be calibrated and verified at site after installation.

Specifications

	Workstation 10 ft		
	10ft NEP	10ft WEP	
Capacity - safe working load	6,800	6,800	kg
Operating height (top of roller level):			
above floor level	508	508	mm
below floor level	1,500	1,500	mm
lifting stroke	2,000	2,000	mm
Pit Dimensions :			
Total length	3,670	3,070	mm
Total width	3,650	4,420	mm
Total height	2,364	2,364	mm
Power Pack motor rating:	11	11	kW
Lifting / lowering speed:	3	3	m/min

Motor Powered Roller Deck (MPRD)

Motor powered roller decks are used for automatic conveying and/or storage of ULD's. They can also be installed on truck docks, build/break workstations, (elevating) transfer vehicles, etc.

10 ft roller decks can accommodate ULD's of maximum 10 ft base size with dimensions: L x W: 125 x 96 inch (3,175 x 2,438 mm) and weight 15,000 lbs (6,800 kg).

NEP (Narrow Edge Position) roller decks are suitable for conveying ULD's with the narrow edge leading.

WEP (Wide Edge Position) roller decks are suitable for conveying ULD's with the



wide edge leading.

Example of a Motor Powered Roller Deck 10 ft NEP

The hot-dip galvanized frame consists of 220 mm high longitudinal steel channel sections and cross-bracings to provide a rigid frame. The upper portion of these sections extend 50 mm above the top of the rollers and act as side guides. Lead-in flares are provided where required to guide ULD's into position and minimize impact loads.

The full width zinc plated rollers run in sealed and permanently greased spherical bearings. The rollers are linked by means of chains and sprockets, placed outside the supporting beams of the rollers. Sprockets and chains are engaged over 180°.

Each roller deck is powered by an electric motor with brake and gearbox unit which can stop a maximum load within 100 mm and prevent motion once the load has stopped.

All drive elements such as chains, sprockets, etc. are protected with removable sheet metal covers in such a way that these elements cannot be touched without removing covers. Non-skid walkways are installed between the rollers.

The roller deck is equipped with adjustable supports to be bolted to the floor.

Where applicable, the roller deck is equipped with a photo sensor to detect the ULD position on the deck.

Specifications

Motor Powered Roller Deck 10 ft			
Capacity – safe working load	6,800		kg
Capacity – type of ULD's	Maximum 10 ft base size with dimensions: L x W: 125 x 96 inch (3,175 x 2,438 mm)		
	NEP	WEP	
Total length	3,600	3,000	mm
Width between side guides:	2,540	3,310	mm
Total width	2,700	3,470	mm
Conveying height	508	508	mm
Guide heights:	50	50	mm
Roller outside diameter:	133	133	mm
Wall thickness of rollers:	4	6.3	mm
Number of rollers:	12	10	
Pitch of rollers:	301.6		mm
Pitch of chain (heavy duty):	5/8		inch
Electric drive motor rating:	1.1		kW
Transfer Speed:	18		m/min
Finishing: Frame, walkways Rollers Chain guard	Hot-dip galvanized Zinc plated Painted, RAL 1007 (yellow)		

NOTE:

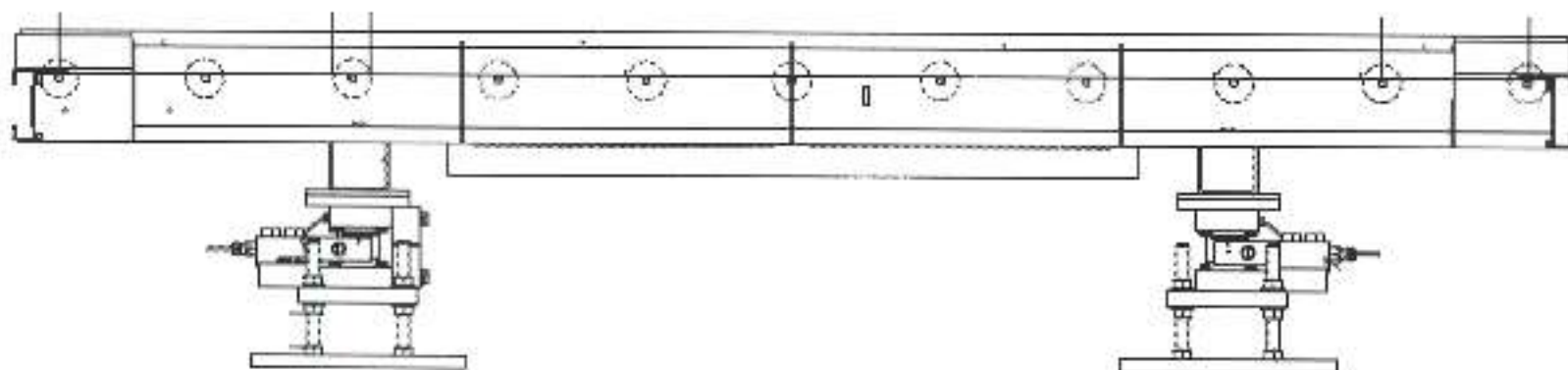
Depending on the application and lay-out, the length of the roller deck can be modified by increasing or decreasing the number of rollers.

Weighing System, integrated in Roller or Castor Deck:

Where applicable, the roller or castor deck is fitted with an integrated weighing system equipped with:

- 4 heavy duty stainless steel load cells, beam type (Flintec SB5-50 kN C3)
- 4 mounting parts for the load cells.
- Junction box
- Weight indicator (Flintec type FT 11, panel mount) for display of tare, net, and gross weights.
- 10m signal cable between junction box and indicator.

The weighing system is to be calibrated and verified at site after installation. Weighing capacity 8,000 kg with 5 kg divisions (legal for trade).



Castor Deck (CD)

Non-powered modular deck for multi-directional manual conveying and storage of ULD's. The standard 10ft module has dimensions of LxW: 3315 x 2600 mm, however these can be modified according to the required system lay-out. The standard 10ft module has a capacity of 6800 kg and a conveying height of 508 mm (20" dolly height).

Castor deck modules consist of a hot-dip galvanised steel frame with durbar / tear deck plates in which the swivel cargo castors are installed. An average of 15 castors are fitted per square meter in a diamond pattern to comply with the required c.t.c. distance of 254 mm (10 inch). The orientation of the diamond pattern in the deck can be chosen depending on main conveying direction.

Height adjustable supports are fitted for floor mounting.

The inverted swivel cargo castors (Colson type JBPN 058CC1 / AT16) each include;

- Low wear, shock resistant nylon 6.6 wheel with 58 mm diameter and 250 kg load capacity,
- Maintenance free, sealed precision ball bearing for low rolling effort,
- Plastic sealing cap drains water in an efficient way and prevents corrosion,
- Integrated bushing/thread guard for efficient sealing,
- Robust pressed-steel fork, zinc plated and yellow passivated anti-corrosion coating,
- Precision ball bearing and effective labyrinth-seal for maintenance free swivelling motion,
- Toe guard protection plates

The units can easily be installed and replaced from the top deck plate.

Various alternative castor deck versions are also available:

- Low conveying height of 258 mm (instead of 508 mm)
- Upformed / perforated deck plate for outside use (instead of durbar plate for inside use)
- Grate / mesh grid deck for outside use
- Fitted with 8x perimeter ULD stops
- Fitted with multi-stops to lock various ULD sizes on offload/reload COY/NCY positions.
- Integrated weighing system

NEP orientation

WEP orientation

