



**AAI CARGO LOGISTICS & ALLIED SERVICES CO. LTD.  
NEW INTEGRATED CARGO TERMINAL**

**NSCBI AIRPORT, KOLKATA-700 052**

**NOTICE INVITING TENDER**

**Name of work : Misc. Electrical Works At 1<sup>st</sup> floor of ECCS Terminal of  
NICT, Kolkata.**

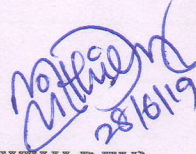
**Estimated : Rs. 16, 60,125.00**

**Cost**

**E.M.D : Rs. 33,203.00**

**Time Allowed : 02 ( Two ) Months**

**This NIT contains pages 01 to 180 (Pages One to One hundred Eighty) only.**

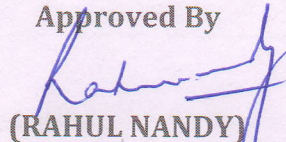
  
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**(TITHI DEY)**

**MANAGER-ELECTRICAL**

**AAICLAS,NSCBI  
AIRPORT,KOLKATA**

**Approved By**

  
(RAHUL NANDY)

**REGIONAL MANAGER  
AAICLAS, NSCBI AIRPORT  
KOLKATA**



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This NIT contains **180 pages** as detailed above.



FOR WEBSITE

## **NOTICE INVITING e-TENDER**

Tender ID No. 2019\_AAL\_27051

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 **"Misc. Electrical Works At 1<sup>st</sup> floor of ECCS Terminal of NICT, Kolkata."** at an estimated cost of Rs. **16,60,125 /-**with period of completion **02 (Two)** months .

The tendering process is online at e-portal URL address <https://etender.gov.in./eprocure/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./eprocure/app> or [aaiclas-ecom.org](https://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 1120/-** (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). 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 envelopes shall be submitted through online at CPP-portal by the bidder as per the following schedule: -

### **CRITICAL DATA SHEET**

Publishing Date	08.07.2019
Bid Document Download/ Sale Start Date (Next Day of Publishing Date)	09.07.2019 from 09:30 hrs.
Clarification Start Date	09.07.2019 from 09:30 hrs.
Clarification End Date	17.07.2019 up to 11:00 hrs.
Bid Submission Start Date	09.07.2019 from 09:30 hrs.
Bid Submission End Date	17.07.2019 up to 18:00 hrs.
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.	19.07.2019 from 1800 hrs.



Bid Opening Date (Envelope-I)	22.07.2019 at 1100 hrs.
Bid Opening Date (Envelope-II)	25.07.2019 at 1100 hrs
Bid Opening Date (Envelope-III)	To be intimated later on through CPP Portal
Tender Fee	Rs. 1,120/- (i/c GST) Non-refundable
EMD	Rs. <b>Rs. 33,203/-</b> in the form of Demand Draft/ FDR/ <del>Bank</del> Guarantee.

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

The tenderer shall be 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).
- 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.

**OR**

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. 6, 64,050/-** or two works, each of **Rs. 8, 30,063/-** or one work of **Rs. 13, 28,100/-** in single contract of similar nature i.e. Electrification job of Buildings during last seven years ending on 31.03.2019 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. 4,98,038/-** 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, Compacted Hot mix Plant, Paver etc.) documentary proof of owning and possession of required machinery and T&P shall also be submitted along with the application. Ownership can be either freehold or lease hold. In case agency does not own the 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. 33,203/-** 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 page no.164 of 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 Envelope - 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.

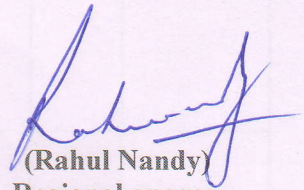


**Envelope-III:** The financial bids of the contractors/firms found to be meeting the qualifying requirements and technical criteria shall be as per **CRITICAL DATA SHEET**. (Depending on Technical Bid evaluation the date shall be intimated through CPP portal).

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. No Concessions to Indian Micro & Small Enterprises (MESS) units will be given as per the provisions (para-10) of public procurement policy for MESSs 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**

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



### Schedule of Work

**Name of Work : - Misc. Electrical Works at 1st floor of ECCS Terminal of NICT, Kolkata**

Item No	Description of Items	Qty	Unit	Rate (Rs.)	Unit	Amount
1	Wiring for Light Point/Fan Point/Exhaust Fan point/Call bell point with 1.5 Sqmm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit with modular switch,modular plate,suitable GI Box and earthing the point with 1.05 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required					
a	Group C	120	Point			
2	Wiring for Light/Power plug with 2 x 4 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit along with 1 Nos. 4 Sq.mm. FRLS PVC insulated copper conductor single core cable for loop earthing as required.	200	Metre			
3	Wiring for Light/Power plug with 4 x 4 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit along with 2 Nos. 4 Sq.mm. FRLS PVC insulated copper conductor single core cable for loop earthing as required.	100	Metre			
4	Wiring for circuit/sub main wiring along with earthwire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required.					
a	2 x 4 Sq.mm + 1 x 4 Sq.mm earth wire	100	Metre			
b	4 x 4 Sq.mm + 2 x 4 Sq.mm earth wire	100	Metre			
5	Supplying and fixing of the following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit ,or cutting the wall and making good the same in case of recessed conduit as required.					
a	25 mm	25	Metre			
b	32 mm	25	Metre			
6	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc.as required					
a	5/6 A Switch	25	Each			
b	15/16 A Switch	25	Each			
c	3 Pin 5/6 A Socket outlet	25	Each			
d	6 Pin 15/16 A Socket Outlet	25	Each			
7	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	50	Each			

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8	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc. as required				
a	4 Module (125 mm x 75 mm)	20	Each		
b	6 Module (200 mm x 75 mm)	20	Each		
c	8 Module (125 mm x 125 mm)	20	Each		
9	Supplying and fixing following Modular base & Cover plate on existing modular metal boxes etc. as required				
a	1 or 2 Module				
b	4 Module				
10	Supplying and fixing metal box of 150 mm x 75 mm x 60 mm deep (Normal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 Pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	60	Each		
11	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 Pin 5/6 & 15/16 A modular socket outlet and 15/16 a modular switch, connections etc. as required	15	Each		
12	Supplying and fixing 3 Pin, 5A Ceiling rose on the existing Junction box/wooden block including connections etc. as required	100	Each		
13	Installation, Testing, Commissioning of wall bracket/ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	10	Each		
14	Installation, testing and commissioning of pre-wired, fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/wall, including connections with 1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required	58	Each		
15	Numbering of ceiling fan/exhaust fan/fluorescent fittings as required.	110	Each		
16	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
a	Upto 450 mm sweep	5	Each		
17	Extra for fixing the louvers/shutters complete with frame for a exhaust fan of all sizes.	5	Each		
18	Installation of wall mounted fan in the wall, including making good the damage, connection, testing, commissioning complete. As required.	49	Each		

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19	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.)with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc.as required				
a	Group C	20	Point		
20	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos 3 Pin 5/6 A modular socket outlet and 2 Nos 5/6 A modular switch, connections etc as required. ( For light plugs to be used in non residential building)	20	Each		
21	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess,including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB,"C" curve including connections,painting etc.as required	20	Each		
22	Supplying and Fixing PVC Batten/angle holder including connections etc. as required	20	Each		
23	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections,etc as required				
a	100 A,16 KA,TP MCCB	5	Each		
24	Supplying and fixing following way,horizontal type three pole and neutral, sheet steel,MCB distribution board,415 V, on surface/recess, complete with tinned copper bus bar, neutral bus bar,earth bar,din bar,interconnections,power painted including earthing etc.as required. ( But without MCB/RCCB/Isolator)				
a	8 way (4+24), Double door	5	Each		
25	Supplying and fixing 5A to 32 A rating,240/415 V,10 kA,"C" Curve ,miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections;testing and commissioning etc. as required				
a	Single Pole	50	Each		
b	Single Pole and Neutral	25	Each		
c	Triple Pole and Neutral	10	Each		
26	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc.as required	20	Each		
27	Supplying and fixing following rating,four pole,415 V,isolator in the existing MCB DB complete with connections,testing and commissioning etc.as required				
a	40 A	10	Each		
b	100 A	10	Each		



28	Supplying and fixing DP Sheet Steel enclosure on surface/recess along with 25/32 A 240 V "C" Curve DP MCB complete with connections, testing and commissioning etc. as required	10	Each			
29	Earthing with GI earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.	4	Set			
30	Providing and fixing 25 mm x 5 mm GI Strip in 40 mm dia GI pipe from earth electrode including connection with GI nut, bolt, spring, washer excavation and re-filling etc. as required	20	Metre			
31	Providing and fixing 25 mm x 5 mm GI strip on surface or in recess for connections etc. as required	15	Metre			
32	Providing and fixing 6SWG dia GI Wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/Cable as required.	1200	Metre			
33	Laying of one number PVC insulated and PVC sheathed/XLPE Power Cable of 1.1 KV grade of the following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					
a	Above 95 sq.mm and upto 185 sq.mm	10	Metre			
b	Above 185 sq.mm and upto 400 sq.mm	10	Metre			
34	Laying of One number PVC insulated and PVC sheathed/XLPE Power Cable of 1.1 KV grade of the following size in the existing RCC/HUME/METAL Pipe as required.					
a	Above 95 sq.mm and upto 185 sq.mm	80	Metre			
b	Above 185 sq.mm and upto 400 sq.mm	80	Metre			
35	Laying of One number PVC insulated and PVC sheathed/XLPE Power Cable of 1.1 KV grade of the following size in the existing masonry open duct as required.					
a	Above 95 sq.mm and upto 185 sq.mm	10	Metre			
b	Above 185 sq.mm and upto 400 sq.mm	10	Metre			
36	Laying and fixing of One number PVC insulated and PVC sheathed/XLPE power Cable of 1.1 KV grade of following size on wall surface as required.					
a	Upto 35 Sq.mm (Clamped with 1 mm thick Saddle)	300	Metre			
b	Above 95 Sq.mm and upto 185 sq.mm (clamped with 25/40 x 3 mm MS Flat Clamp)	50	Metre			
c	Above 185 sq.mm and upto 400 sq.mm (clamped with 40 x 3 mm MS Flat Clamp)	50	Metre			
37	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as required					
a	3.5 x 25 sq.mm (28 mm)	10	Each			

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b	3.5 x 150 sq.mm (50 mm)	2	Each			
c	3.5 x 240 sq.mm (62 mm)	2	Each			
38	Supply of 1.1 KV grade XLPE insulated PVC sheathed armoured, Aluminium conductor power cable confirming to IS :7098 (part -I)					
a	3.5 x 25 sq.mm	300	Metre			
b	3.5 x 150 sq.mm	150	Metre			
c	3.5 x 240 sq.mm	150	Metre			
39	Supply of LED Light of Bajaj 112085 BZRSQ 30W GZ WH WHITE or equivalent required	58	Each			
40	Supply of Wall Mounted cabin fan (Crompton WMW Wind Flo (High - Speed 400 mm cabin Fans) or equivalent	49	Each			
41	Supply of Exhaust Fan ( Crompton Trans Air 12" 300 mm(12") Air Flow) required or equivalent	5	Each			
42	Supply, Installation ,testing , commissioning of 1.5 TR wall mounted type 3 star split type air conditioner fitted with copper coil,rotary compressor operating on 230V single phase AC Supply with necessary mounting arrangement for indoor and outdoor units, Insulated copper piping, control power cabling between indoor & outdoor, drain piping etc upto a lead of 6 mtr including refrigerant gas, gas charging, minor civil work etc as required	9	Each			
43	Supply, Installation ,testing, commissioning of 1 TR wall mounted type 3 star split type air conditioner fitted with copper coil, rotary compressor operating on 230V single phase AC Supply with necessary mounting arrangement for indoor and outdoor units, insulated copper piping, control power cabling between indoor & outdoor, drain piping etc upto a lead of 6 mtr including refrigerant gas ,gas charging, minor civil work etc as required	5	Each			
44	Design fabrication, supply and Installation, testing and commission of weather proof, vermin proof, duly painted, fully compartmentalised free standing type indoor type top entry panel( with IP55 protection) fabricated from CRCA sheet of 2 mm thickness treated through seven tank process,3 mm thick detachable aluminium gland plate consisting of the following: (a) incomer : (i) 200 A,36kA,4 Pole MCCB with front driving facility (extended rotary handle) and adjustable thermal-magnetic trip unit (adjustable over load & SC)-02 Nos (ii) 200A ,4 pole onload changeover switch (extended rotary handle) -1 set (b) Outgoing : (i) 100A, 16KA,TP MCCB with Neutral link and Front driving facility (extended rotary handle) and adjustable thermal -magnetic trip unit -04 Nos. (ii) 63A,TPN MCB - 03 Nos (c) Busbar : 200A ,TPN, Electrolytic Copper	1	Job			

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busbar - 1 set

(d) Earth Bar : 32 x 5 mm GI Strip - 1 No

(e) LED Indication Lamp with 2A HRC backup fuse:

(i) Three Phase indication for the incomers.

(ii) On/Off indication for incomer and outgoing switch.

(f) Meters :

(i) A Digital multifunctional meter within built phase selector and necessary resin cast CTs- 1  
, Protective fuse etc. - 1 set

*25/10/2016*