NOTICE INVITING TENDER

Offers are invited in sealed envelope for Aluminum work for “Construction of Mega Hostel (Phase II) for NIT, Calicut” at Calicut.

The terms and conditions and other details are given below:

1. **Scope:**

Scope of work consist of Providing and fixing aluminum work (powder coated) for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285 fixed with rawl plugs and screws or with fixing dips, or with expansion hold fasteners including necessary filling up of gaps at junctions at up, bottom and sides with required EPDM rubber gasket, etc. Aluminum sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including clear angle, Aluminum snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge (EIC) of EPI or any person authorized by him at the work site and as per terms and conditions.

Filling the gap in between aluminum frame & adjacent RCC / Brick / Stone work by providing weather silicon sealant (white colour or grey colour sealant) of approved quality as per architectural drawings and direction of Engineer-in-charge complete using "Dowcorning 789" or equivalent sealant (5mm depth and 5mm width) is also included in the quoted rates.

All aluminium sections shall be powder coated (minimum thickness of polyester powder coating 60 micron) conforming to European standard Qualicoat Class-2/AAMA 2604-05 and glazing shall be generally fixed as per the architectural drawing and shall be fabricated by using aluminum alloy standard extruded sections of JINDAL / INDAL or equivalent as approved by the Engineer-in Charge. The color for powder coating shall be decided by the Engineer-in-charge (EIC) of EPI.

The contractor shall submit shop drawing indicating the sections proposed to be used by him and the fixing arrangement for approval. The Engineer in Charge shall have the right to reject or modify these drawings before approval and the contractor is bound to execute the work in accordance with drawings approved by the Engineer in Charge.
Samples of doors, windows and ventilators, etc as per the drawings approved by the Engineer in Charge shall be fabricated and got approved by the Engineer in Charge before taking up the actual execution of these items of work.

The Aluminum sections shall be jointed to each other wherever required with extruded aluminum angle cleats of suitable size and of thickness not less than 6mm for doors and 4mm for windows and ventilators with stainless steel screws. Unless otherwise specified all joints shall be mitered.

Various tests on Aluminum sections shall be conducted in accordance with the relevant provisions of IS: 1868 (anodic coatings on aluminum and its alloys) and IS: 5523 (Method of testing anodic coatings on aluminum and its alloys)

The fabricated aluminum frame work shall be given a lacquer coating which shall be maintained during the entire period of construction to prevent damage to the powder coating of the aluminum sections. The surfaces shall be cleaned and polished before handing over the works.

The doors, windows, ventilators, fixed glazing, etc. individually or forming composite unit shall be provided with glazing and paneling as specified with neoprene felt. Glazing and paneling shall be fixed with aluminum snap beading. The sliding shutters of windows shall be provided with nylon pullers with concealed bearings, aluminum stoppers and special locking arrangements as approved by the Engineer in Charge the interlocking styles of sliding windows shall be provided with PVC / neoprene weather sealing gaskets. The windows with side hung shutters shall be provided with best quality heavy type anodized / powder coated aluminum hinges with stainless steel pins/bolts, anodized / powder coated aluminum peg stays and fasteners of suitable size and shape.

The contractor may be required to work during night as per site requirement for that purpose the contractor shall provide area illumination as per requirement for which no extra payment shall be made to the contractor.

2. Earnest Money Deposit (EMD)

An amount of Rs.30,000 (Rupees thirty thousand only) shall be deposited along with the tender as Earnest Money Deposit (EMD) in the form of Demand Draft in favour of Engineering Projects (I) Limited payable at Chennai.

EMD of unsuccessful bidder shall be returned to the bidder after finalization of tender. EMD of successful bidder shall be returned to the bidder on certification of RA Bill by EPI.

3. Rates:
Rates shall be quoted by the bidder in the Bill of Quantities (BOQ) as given in Annexure-I and shall include the cost of all materials & labour charges including all machineries, tools and tackles, and as described in the scope of work including all taxes and duties as mentioned in Sl. No. 18 of this NIT, all direct and indirect cost of works, materials, labour, royalties, octroi, entry tax, VAT as applicable at Kerala state, WCT/TOT, labour welfare
cess, labour camp construction, etc., all transportation charges, loading & unloading, EPF/CPF/ Statutory contributions, etc.

4. Payment certification

For purpose of payment the weight of each door, window, ventilator, louvered window, fixed glazing etc. individually or forming composite unit shall be the actual weight of extruded aluminum sections, cleat angles and aluminum snap beading excluding the weight of all fitting and fixtures. If the variation between the actual unit weight and unit specified in the manufactures catalogue is more than +10%, the materials shall be rejected as being substandard. The cost of hinges, locking arrangements, gaskets, stainless steel screws, pins/bolts etc. and the wastage of extruded aluminum sections shall be deemed to be included in the agreement rate and nothing extra whatsoever shall be payable. Paneling and glazing shall be paid separately.

For payment purpose, the quantity of fabricated and fixed material measured / certified by EPI’s client for the respective unit / front shall only be considered.

The contractor shall be responsible to carry out all rectification works related to the above work till taken over by EPI.

5. Material issue

Cement for fixing of sections (if required) shall be issued to the bidder free of cost from EPI godown. Any wastage of cement made by the bidder shall be recovered from the bidder.

6. Site visit & collecting local information:

Before tendering, the tenderer is advised to visit the site, its surroundings to assess and satisfy themselves about the local conditions such as the working and other constraints at site, approach roads to the site, nature of ground, soil and subsoil condition, underground water table level, accommodations they may require etc. Tenderer shall be deemed to have considered site conditions whether he has inspected it or not and to have satisfied himself in all respects before quoting his rates and no claim or extra charges whatsoever in this regard shall be entertained/payable by EPI at a later date.

7. Water & electricity:

The contractor shall arrange at his own risk and expense water for use for the construction. If water is available at the open of site can be utilized, subject to the permission for the same. The contractor shall also arrange at his own cost and expenses potable water for his labour. Nothing extra shall be paid by EPI on this account.

Electricity shall be provided from one point and the contractor shall make his own arrangement to get it at required work locations, at his own cost. However, the electricity charge shall be borne by EPI.

8. Accommodation & Safe custody of the materials:

The contractor shall at his own risk and expense arrange accommodation for the labour and safe custody of the materials and tools and tackles brought by him for satisfactory completion of the works at his own cost. No claim from the contractor shall be entertained by EPI on this account.
9. **Access to works:**
   The contractor shall keep the work site in tidy and easily accessible manner. Nothing extra shall be paid on this account. The works shall be executed in such a manner so as not to interfere or adversely affect or disturb works being executed by other agencies.

10. **Restrictions:**
    On account of security considerations, there could be some restrictions on the working hours, movement of vehicles, location of labour camp etc. The contractor shall be bound to follow all such restrictions and adjust his programme for execution of the works. However, the completion time shall be suitably extended on account of such effect.

11. **Completion time:**
    The work as per scope and other terms and conditions of the present tender shall be completed within three (3) months of issuance of Letter of Intent (LOI) / Work order.

12. **Reduction in contract price:**
    In case there is delay in completion of work beyond the completion time, an amount @1/2% of the contract price per week of delay subject to a maximum of 5% of the contract price shall be recovered by EPI from the contractor's bills by way of reduction in price for delay in completion. The contract price for this purpose shall be the amount at which the work is awarded to the contractor.

13. **Quantity variation:**
    The limit of variation of quantities with the same rate will be 10% (ten percent only)

14. **Extension of completion time:**
    The completion time shall get extended if the works are delayed by force majeure, abnormally bad weather, serious loss or damage by fire, civil commotion, local commotion of workmen, strike, lockout affecting the progress of the work, or any such reasons beyond the absolute control of the contractor as determined by the Engineer-in-charge. However, the contractor shall promptly bring such events to the notice of the Engineer-in-charge who will allow fair and reasonable extension of completion time as he thinks necessary.

15. **Risk and cost:**
    In case the contractor fails to complete the work within the stipulated completion time including extended period, if any, the EIC without prejudice to any other right or remedy available to him under the contract shall have the power to rescind the contract and take possession of the works and get the part work/part incomplete work by any means at the risk and cost of the contractor. The sum, as determined by the EIC, recoverable from the contractor shall be recovered from all the sums that had remained due to the contractor at the time of rescinding the contract after giving due credit to the contractor the value of the work done in all respect in the same manner and at the same rate as if it had been done by the original contractor under the terms of his contract, the value of materials taken over and incorporated in the works. The decision of the EIC in assessing the value of the work by the contractor shall be final, conclusive and binding on the contractor. Upon determining the excess expenditure incurred or to be incurred in completing the part work/incomplete work of any item (s) including the losses suffered or likely to be suffered by EPI and finding any
money due to the contractor on any account insufficient, the contractor shall be called upon to and shall remain liable to pay the same to EPI within 15 days of being asked to do so. The contractor shall not be entitled to take out his constructional plant and machineries, unused materials till the time he pays the amount to EPI. In case the contractor fails to pay the required sum within the period of 15 days, the EIC shall have the right to sell any or all of the contractor’s unused materials, constructional plant and machineries etc. and adjust the proceeds of sale thereof towards the dues recoverable from the contractor under the contract. The contractor shall have no claim whatsoever, in such an eventuality, by any reason.

16. Compliance with the statutory laws:
The contractor shall remain bound to comply with the statutory laws, rules and regulations as applicable pertaining to the labour provided by him at the work site under this contract/ work order.

17. Payment terms:
Payment shall be released to the contractor in the manner as follows:

a) The Contractor shall submit monthly RA bills to EPI and 85% of the amount of work done shall be released to the Contractor within 15 days of receipt of such RA bills.

b) 10% of the amount shall be released after fixing of each sections in position

c) Balance 05% of the amount due to the contractor shall be released to him after four (4) month from the date of the payment released to him under 17(b) above.

18. Statutory deductions:
The rates are inclusive of all taxes & duties except service tax. Hence the statutory deductions on account of taxes and duties except service tax shall be made at source as applicable. Service tax if applicable shall be paid by EPI at actuals.

It is desirable that the party is registered with Kerala VAT / Sales Tax authority. However, the party may get themselves registered within one month of the placement of order by EPI.

19. Compensation for Delay:
Compensation @ ½ % (Half Percent) per week for the delay is leviable from the bills if attributable to the contractor. Maximum percentage will be limited to 5% (Five percent) of the total tender value.

20. Indemnity:
The contractor shall keep EPI indemnified against all claims, damages, compensation and expenses payable, if any, in consequence of any accident, or injury sustained by any workman or any other person whether employed by the contractor or not.

21. Cost of materials etc.:
The contractor shall remain liable to pay to EPI all cost of materials, T&P etc. belonging to EPI and issued to him in case they are lost or damaged by contractor or any of his employees.

Signature of Bidder with sealPage 5 of 9EPI
22. Jurisdiction:
The Courts at Chennai alone shall have exclusive jurisdiction in all matters arising out of this contract/work order.

23. Termination:
EPI reserves the right to terminate the contract/work order by giving three (3) days notice without assigning any reason thereof or even without any notice in the event the performance of the contractor is found to be unsatisfactory.

24. Safety:
The contractor shall ensure that the labour and staff deployed by him follows all safety norms and religiously use all safety appliances. Similarly, all equipment deployed by him must have all the safety devices attached to it in good working condition and the operator/labour deployed by the contractor are fully conversant with operation of such devices. Any eventuality arising out of non-compliance by the contractor shall be to his account only and EPI shall have no liability whatsoever.

The bidders shall sign and stamp each pages of all the documents to be submitted by him including the original ‘Notice Inviting Tender’ and BOQ as a token of your acceptance in one (1) envelope mentioning the NIT No. on the envelope.

The interested bidders can collect the tender documents from the office mentioned hereunder up to 09.00 am on 01.10.14

Offers shall be submitted at the following address:

The General Manager
Engineering Projects (India) Ltd.
3-D, East Coast Chambers
92, G.N. Chetty Road
T.Nagar, Chennai 600 017

Ph.No. 044-28156421, 044-28156886, 044-28157106
Fax No. 044-28156629

Time schedule of Tender activities:

(i) Date & Time for available of tender documents: From 26.09.2014 to 01.10.2014 – upto 12:00 PM

(ii) Last Date & Time of submission of Tenders: On or before 01.10.2014 – by 02:00 PM

(iii) Date & Time of opening tender : 01.10.2014 at 02:30 PM
Engineering Projects (India) Limited  
(A Govt. of India Enterprise)  
Southern Regional Office, Chennai

BILL OF QUANTITIES

Work: Providing and fixing Aluminum work for “Construction of Mega Hostel (Phase II) for NIT, Calicut” at, Calicut.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of Item</th>
<th>Unit</th>
<th>Qty.</th>
<th>Rate (Rs)</th>
<th>Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>Providing and fixing aluminum work (powder coated) for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285 fixed with rawl plugs and screws or with fixing dips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required EPDM rubber gasket etc. Aluminum sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling, C.P. brass / stainless steel screws, and filling the gap in between aluminum frame &amp; adjacent RCC / Brick / Stone work by providing weather silicon sealant (Dowcorning 789 – white/grey colour) all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and paneling to be paid for separately)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.1</td>
<td>For fixed portion</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Signature of Bidder with seal)  
Page 7 of 9  
(EPI)
Engineering Projects (India) Limited  
(A Govt. of India Enterprise)  
Southern Regional Office, Chennai  

**BILL OF QUANTITIES**

Work: Providing and fixing Aluminum work for “Construction of Mega Hostel (Phase II) for NIT, Calicut” at, Calicut. 

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of Item</th>
<th>Unit</th>
<th>Qty.</th>
<th>Rate (Rs)</th>
<th>Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Polyester power coated aluminum (minimum thickness of polyester powder coating 60 micron) conforming to Qualicoat class - 2 /AAMA 2604-05.</td>
<td>Kg</td>
<td>1555</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.2</td>
<td>For shutters of doors, windows &amp; ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the coat of EPDM rubber gasket required (Extra fittings shall be paid for separately).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.2.1</td>
<td>Polyester powder coated aluminum (minimum thickness of polyester powder coating 60 micron) conforming to Qualicoat CLASS - 2 AAMA 2604-05.</td>
<td>Kg</td>
<td>1520</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.0</td>
<td>Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge (Cost of aluminum snap beading shall be paid in basic item).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.1</td>
<td>With float glass panes of 5.0 mm thickness</td>
<td>Sqm</td>
<td>570</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
BILLOFQUANTITIES

Work: Providing and fixing Aluminum work for “Construction of Mega Hostel (Phase II) for NIT, Calicut” at, Calicut.


<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of Item</th>
<th>Unit</th>
<th>Qty.</th>
<th>Rate (Rs)</th>
<th>Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0</td>
<td>Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1</td>
<td>205x19 mm</td>
<td>Each</td>
<td>460</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.0</td>
<td>Providing fixing aluminum casement windows fastener of required length for aluminum windows with necessary screws etc. complete.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.1</td>
<td>Polyester powder coated aluminum (minimum thickness of polyester powder coating 60 micron) conforming to Qualicoat Class-2/AAMA 2604-05</td>
<td>Each</td>
<td>460</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Amount (in words):

(Signature of Bidder with seal) Page 9 of 9 (EPI)