Note: All the Bidding Process will be done on www.jktenders.gov.in

Subject: Global Tender Notice for establishment of Hi-Tech Green Houses at fruit Plant nursery, Zawoora, Srinagar

For and on behalf of Governor of Jammu and Kashmir State, Director Horticulture Kashmir invites bids from reputed enterprises/firms for establishment of Hi-Tech Green Houses at fruit Plant nursery, Zawoora, Srinagar as per details given hereunder:

The Bidding documents consisting of qualifying information, eligibility criteria, specifications, bill of quantities (B.O.Q), Set of terms and conditions of contract and other details can be seen/downloaded from the Tender Website www.jktenders.gov.in as per schedule of dates given below:-

Critical Dates

<table>
<thead>
<tr>
<th></th>
<th>Date of issue of Tender Notice</th>
<th>05-11-2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Period of downloading of bidding documents</td>
<td>05-11-2018</td>
</tr>
<tr>
<td>3</td>
<td>Bid Submission Start Date</td>
<td>06-11-2018</td>
</tr>
<tr>
<td>4</td>
<td>Bid submission End Date</td>
<td>26-11-2018</td>
</tr>
<tr>
<td>5</td>
<td>Deadline for receiving the Hard Copy (Original DD &amp; EMD) including all the soft copy documents uploaded on the site. (No financial bid to be submitted manually)</td>
<td>26-11-2018 upto 4.30 PM</td>
</tr>
<tr>
<td>6</td>
<td>Date &amp; time of opening of Technical Bids (online)</td>
<td>27-11-2018 at 1.00 PM</td>
</tr>
</tbody>
</table>
Instruction for bidders regarding e-tendering process:

i. Bidders are advised to download bid submission manual from the "downloads" option as well as from "bidder Manual Kit" on website www.jktenders.gov.in to acquaint bid submission process.

ii. To participate in bidding process, Bidder has to get digital signature Certificate (DSC) as per Information Technology Act-2000. Bidders can get digital certificate from any approved vendor.

iii. The bidder has to submit complete bids online in electronic format in two bid-system technical and financial. Bidders must ensure to upload scanned copy of all necessary documents with the technical bid. However, a copy of technical bid as uploaded and a copy of demand draft/EMD shall be submitted in physical form/by registered post/through courier before date specified in Para 1.

iv. Bids will be opened online as per time schedule mentioned in Para-1.

Note:- Scan all the documents on 100 dpi with black and white option

Rs: 1000/- as the cost of the tender document shall be furnished in shape of Demand Draft alongwith technical bids. The demand draft shall be pledged in favour of Accounts Officer, Directorate of Horticulture, Kashmir, J&K Govt.

No copy of financial bids shall be enclosed with technical bids.

Detailed work:

Hi-Tech Green House (20) structures of size 8mx25m per unit with below detailed technical specifications.

Technical Specifications:

- **Total Area** : 200 Sqm/per green house.

  - **Length** : 25 m
  - **Width** : 08 m
  - **Centre Height** : 4.0 m (or ideal for temperate region)
  - **Side wall Height** : 2.5 m
  - **Shape** : Gothic
  - **Buffer Room** : 2.0m x 2.5m
• **Structure Steel Frame:** anti-corrosive, galvanized pipe of ISI standard
  
  Trusses: Beam type 47x47mm x 2.6 mm thick and 2mm 38x38mm to bear wind/ snow load strength suitable for Kashmir
  Poles supports: 47mm x 47mm x 2.8 mm thick
  Purlin: 38 mm x 38 mm, 2.0 mm thick
  Runners: 32 mm x 32mm, 2.0 mm thick
  Support: 32mm x 32 & 25 mm x 25 mm, 2.0 mm thick

• **Doors:** 2 Nos. size 2.0 m x 1.0m

• **Ventilation:** Side ventilation mechanically operated with rack and pinion two opposite sides along the length of the Green house protected by 40 x 40 SS mesh

• **Cladding Material Polycarbonate Sheet Specification:**

  - Thickness: 8mm triple walled.
  - Make: Bayer / Lexan Clear
  - Impact Performance: -40°C to +120°C
  - Both side UV stabilized
  - Sheet Structure: 8/3
  - U.L Temperature Rating: 100°C
  - K value W/m²K 3, 5
  - Light Transmission: 78 – 80%
  - Excellent Thermal Insulation: 3.5
  - Safe Fire Performance: Self-extinguishing and difficult to ignite
  - Fixing By aluminium striping, Thermal safety: Silicon

• **Cooling System: ECS**
  
  Frame: Coextruded aluminium Bottom Gutter, Side & Top gutter etc
  Cooling Media: Cellulose Pad Size: 8m x 1.5m x 100mm
  Which give efficiency from 60 to 95 %.
  Miscellaneous: Fasteners, Galvanized, Rivet- Aluminium.
  PVC pipe; 20mm/25mm/32mm with L & T
  Water Tank: PVC Tank 1000 liters
  Monoblock pump set: 1.0 HP
  Slow Speed Axial Flow Fans 2 nos.
  Body Size: 1200x1200x400mm, Number of Blade: 6 Nos
  Blade: S.S 304 grade, Shutter: steel, Speed of Propeller: 460 RPM approx
  Voltage: 380V/3-Phase/50HZ, Body Materials: Galvanized Steel
  Additional axial fan 600mm with SS blade to be installed above gutter ht

• **Circulation Fan:**

  2 Nos. 21" made of high quality stainless steel, fixed/ mount with cable above gutter ht in greenhouse, totally enclosed GB motor, to ensure excellent performance of cooling by circulating inner air
- **Humidification System:** This is very important feature of the Poly / Green house for growing of plants to increase inside Rh.
  - Micro fogging/misting: discharge range: 28 L/H,
  - Head Control Unit.
  - Patten: hanging type: Pipe 16 mm LLDPE colour BLACK.
  - Motor: 1.0 HP Monoblock pump: 1 No. Filter Disc
  - Tank: 500 liters
  - PVC pipe: 32 mm/ 25mm

- **Automatic Control Systems:** Microprocessor based user friendly for Temperature, Humidity and light dual mode function installed in Pre Entry Area, Power Input- 220-415 VAC, 50 Hz. Three/ Single phase, Ambient 5-50°C, RH up-to 90%.
  a) Relative Humidity + Temperature Real Time Controller
  b) Timer for light
  d) Main Switch (Rotary) L&T make.
  e) Individual Indicator.

- **Shading:** Arrangements of manually rolling screens of 50% shade net, Material: UV resistant material, Colour Green

- **Electrical Device:** High quality ISI approved fittings with copper multi strand twisted FR Grade wires and rigid Stds of safety with proper MCB
  - Copper Cable Make: Finolex/ KEI/ ISI
  - MCB Make: Hager/legrand/ Schneider/ Havells
  - LED Light Make: Osram/ Bajaj/ Philips/ Wipro

- **Civil construction**

  **Excavation:** Manual excavation of 40cm deep below ground level having a width of 50cm

  **PCC:** lying of 1:5:10 mix on excavated of 4" thickness

  **Foundation:** Cement Concrete foundation (1:2:4) mix 2'below ground level and one feet above ground level

  **Wall:** Made of RR stone /cemented block 23cm width 40 cm above and 30 cm below GL 1:6 (1cement: 6 fine sand).

  **Plastering:** 1:6 (1cement: 6 fine sand)

  **Path:** Cement concrete in (1:2:4) mix of 50 mm thick in paths/ walk way 2' wide

  **Note:** Three years hand holding support for the management of the work.
Terms and Conditions:

I. The successful bidder shall have to enter into agreement with the Department, before the supply order/work order issued.

II. The bidder will be responsible to fulfill all formalities of the supply himself/herself.

III. Bids must be accompanied with earnest money of 05 lac in the form of FDR/CDR in favour of Accounts Officer, Directorate of Horticulture Kashmir, J&K Govt. payable at Srinagar J&K, India.

IV. The Department will be at liberty to add or alter any terms and conditions while finalizing the supply order/agreement, which will be a binding on the bidder.

V. It shall be exclusive right of Divisional Level Purchase Committee to accept or reject any or all offers including lowest offer either wholly or partly without assigning any reason thereof.

VI. In case any clause of the terms/condition as laid down in tender document/agreement is affected by force majeure, then the decision of Secretary Horticulture J&K Government will be final.

VII. The Hon'ble High Court, J&K, at Srinagar alone will have the jurisdiction to settle disputes, if any in respect of the present Global Tender.

VIII. The bidders shall quote prices which shall be inclusive of all taxes while filling the BOQ Excel Sheet. The breakup of basic rates and taxes shall be shown while quoting the rates.

IX. The taxes as admissible/applicable during the process and at the time of procurement shall be levied on the supplier/bidder.

X. The rate offer shall be inclusive of AMC for three years and training of Departmental staff for handling and maintenance of Green Houses.

XI. The Director Horticulture, Kashmir shall constitute a Technical Team for inspection and recommendation of release of assistance.

XII. The payment shall be released after the Hi-Tech Green Houses have been established and after the satisfactory report of the technical team constituted in this behalf subject to a maximum of 80%. The balance 20% shall be released after the successful operation of the green houses for three years.

XIII. Rates quoted shall be valid for a period of two years.

XIV. Income tax on the value of supply under rules shall be deducted at source.

XV. The bid should be submitted in the English language only.

XVI. In case the material supplied by the supplier/bidders are not found as per specifications mentioned in the tender notice and other certified documents. The same shall be rejected and supplier has to lift the supplies
at his own risk and cost. Further, EMD of the such supplier shall be forfeited and shall be black listed.

XVII. Annual financial turnover of firm should be minimum Rs.10 Crore and above for last 2 years,

XVIII. Civil & Structural drawings should be attached with technical bid.

XIX. Bidder/ Firm/ companies should have ISO 9001:2008, 14001:2004 certified

XX. Tenders should be submitted in two bid system i.e. technical bid and price bid. Price bid shall be open of those firms who have qualified in technical bid.

XXI. List of Clients should be enclosed for reference, so that our technical committee could visit site if necessary

XXII. Bidders are requested to kindly inspect the site before quoting the price.

XXIII. Detailed technical drawings of the work to be enclosed by tenderer.

XXIV. Firm should have experience of at least 10 years for construction of similar works (Hi-tech Green House with polycarbonate covering for Govt. Institution in high altitude) Documentary evidence of work completion should be enclosed

XXV. Applicant should have the experience of completion of 10 similar works during last 10 years ending last day of month previous to the one in which tenders are invited.

XXVI. Technical bids shall be assessed by a Technical Committee to be nominated by the Divisional Level Purchase Committee on the basis of:

<table>
<thead>
<tr>
<th>Detail of experience in the field of establishment of Green Houses.</th>
<th>A detail to be given by the bidder.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proof of having a registered office in India.</td>
<td>A certificate from the concerned authority.</td>
</tr>
<tr>
<td>Annual turnover/financial soundness.</td>
<td>Audited balance sheet of last two years having Annual turnover of not less than INR 10.00 crore/ITR for past two years and Certificate from a reputed Chartered Accountant certifying the turnover of company.</td>
</tr>
<tr>
<td>Scientific/Technical expertise.</td>
<td>A detail to be given by the tenderer.</td>
</tr>
</tbody>
</table>

(M.A. Qadiri), KAS
D I R E C T O R

No:- DHK/Pur/2018/10412/9-24

Copy to the:-
1. Secretary to Government Horticulture Department J&K Govt. Civil Secretariat, Jammu.
2. Horticulture Commissioner, Govt. of India Deptt. Of Agriculture and Co-operation Horticulture Division, Krishi Bhawan New Delhi.

Dated:- 3-11-2018
3. Director CITH, Rangreth, Srinagar.
4. Director Horticulture, Jammu.
5. Director Horticulture (P&M), J&K, Srinagar.
6. Director Sericulture, Kashmir.
7. Director Information and Public Relations, J&K Government, Srinagar with the request to get
   the said tender notice published in the leading local and National newspapers.
8. Director Research SKUAST-Kashmir.
9. Director Finance, Horticulture Department, Civil Secretariat, Jammu
10. Director, Industries & Commerce J&K.
11. Secretary to Vice Chancellor, SKUAST-Kashmir for information of Hon’ble Vice Chancellor.
12. Horticulture Information and Publication Officer, Srinagar for follow-up action.
13. Computer Programmer Assistant, Directorate of Horticulture Kashmir for information and
   necessary action.
BOQ for establishment of Hi-Tech Green Houses Structures at Fruit Plant Nursery, Zawoora, Srinagar.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Component</th>
<th>Unit</th>
<th>Quantity</th>
<th>Rates (to be filled by the bidder)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Hi-Tech Green Houses</td>
<td>No.</td>
<td>01</td>
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</table>

(M. A. Qadiri), KAS
DIRECTOR

04.11.18