

ASSAM SCIENCE TECHNOLOGY AND ENVIRONMENT COUNCIL
(Science and Technology Dept., Govt. of Assam)

BIGYAN BHAWAN
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Assam, India



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ASTE/ENV/1497/2010/

Date: 20.08.2010

NOTICE INVITING TENDER

Sealed tenders along with I.P.O. of Rs.20.00 (Rupees twenty) only(not refundable) drawn in favour of the "Director, ASTE Council, Guwahati" for the under mentioned work are here by invited in two-bid system (Technical & Financial) from registered Contractor/Firm/ Company which has below mentioned eligibility criteria up to 1.00 pm on 06.09.2010. The tenders will be opened on the same day at 1.30 pm in presence of bidders or their authorized representatives. If the day happens to be a holiday the next working day will be treated as tender opening day.

Name of the work : Construction & Commissioning of Hi-Tech Orchidarium
Area : 150 sq. m.
Estimated value : 23.24 lakh(Approx.)
Work site : Madan Kamdev, near Baihata Chariali, Kamrup, Assam

Description of work:

| Items | Specification | Quantity |
|------------------------|--|-----------------|
| Super Structure | All Structure, Rafters, Perlins, Trusses 2mm thick, hot dip galvanized and design as per ISI standards. <u>Specification :</u> <i>Hot dip galvanized Steel Structure: Galvanized tubular structure or equivalent sections.</i> Super Structure Module Aluminum anodized covering strip infra Structure Mainly GI iron pipe 47mm x 47mm ± 2mm thick and 38mm x 38mm ± 2mm thick. Fasteners: - All nuts & bolts of high tensile strength & galvanised. <u>Door - 1 No.:</u> Size: 1.92 x 0.91m (normally 6'3" x 3") made of anodized aluminum with inbuilt lock system. <u>Window - 6 Nos.:</u> 3' 6" x 1' 6", made of anodized aluminum sides & polycarbonate sheet with lockable device. | 1 complete set |
| Lighting System | a.) Photosynthetically Active Radiation Lamp, with Photosimulators/Electronic gear system for operating PAR tube lamp, (PACRa TM). PACRa W 1.7 to 2.6/60 PACRa TM Lamps of DIN Germany made and IEC international. | 15 Nos. |
| | b.) Normal tube light: standard 4' with all fitting & accessories. | 4 Nos. |
| Covering | Polycarbonate sheet multi walled 6mm thick Lexan Brand, UV Stabilised with geeignet gaskets, Sides covered with 75% shade net. | 1 Complete set |
| Control Units | HUMIDITY CONTROLLER, MICRO-PROCESSOR MONITORED ± 4% Specifications: RH in the range of ± 4%. Technical: Range 30% to 90%. Real RH ± 2%. ± 1 digit (at 45%), digital display control analogue. Powered Output up to 4.4 KW humidifier/dehumidifier. Input 220VAC (110VAC available on demand), phase-single. Ambient: 5° to 45°C, RH up to 95%. Size 10 x 30 x 20cm, Wt. 2 kg. | 1 set |
| | PHOTOPERIODIC SIMULATION SYSTEM: MICROPROCESSOR TIMER FOR PHOTOPERIODIC LIGHTS. Specifications: Executive: (Accuracy better than ± 1 sec/day). Switches ON/OFF lights at the set time despite power failures. Technical: Photoperiodic resolution setting in seconds. Powered output can directly drive up to 100 tube lights 40 W each. Power failure digital selector auto resets. Accuracy better than ± 1 sec., programmable. Input: 220 VAC | 1 set |

| | | |
|-------------------------------------|---|--------------|
| | (110 VAC available on demand), Phase-single. Ambient: 5° to 45°C, RH up to 85%, size 10 x 30 x 15cm, Wt. 2 kg. | |
| Shading arrangement | Automatic motorized system for opening and closing of 50% shade net over the roof | Complete set |
| Misting system | Misting unit heavy duty Motor- 2HP Crompton with nozzles- imported, Single Phase screen filter 20 cubic meter, Tank of 1000 ltr.-Syntax, Main pipe 32mm of PRINCE, Sub main pipe 16mm LLDP, RH range up to 90%. | Complete set |
| Benching System | Bench, Size: 9'L x 4'W x 2'H. G.I. rust resisting benching with movable top. Loading capacity up to 0.5 ton (500 kgs.) | 25 Nos. |
| Electrical Fittings | MCB, ELCB, Residual Current Devices (RCDS) and Merlin Gerin Schlendier. All ISI wires of copper and desired load and imported switches and standby extra switches. Electric line and PVC piping underground Work, materials and accessories must be of 'A' grade. | Complete set |
| Civil work | (A) Jungle Cleaning, surface dressing of 150 sq.m., earth filling and compacting of 45 cu. m. Foundation Wall: Wide Based 9" below earth's surface, 9" above earth's surface, as kick-board 9" wide. Frame base block height 2'. (B) Pathway- (i) Inside Orchidarium: 1 m wide in the centre runs lengthwise. With 4" thick standard bricks at the bottom, 6" CC on bricks, ½ to 1" thick cemented, rest of the floor as it is. (ii) Outside Orchidarium: Brick soling with 6" CC – 15 sq. m. | Complete |
| In house water Supply System | One wash-basin, plumbing polymer pipes, including an Aluminium ladder, working table, stool and all necessary items required for Hi-Tech Orchidarium, etc. All fittings of ISI or equivalent material. | Complete |
| Other Cost | Site delivery charges | Complete |

Eligibility of Contractor/Firm/ Company (Bidder):

1. Bidder must be approved as an R & D company/Firm by DSIR, Government of India.
2. Bidder must have minimum 10 years experience in India in making of such facilities like Green Houses, Hi-Tech Orchidarium, etc. Experience in NE region is desirable. A technical presentation must be given before the Technical Committee on tender opening day.
3. Bidder must be having certificate of ISO 9001:2008/ ISO 14001:2004/ ISO OHSAS 18001:2007 and financial soundness Certificate of any nationalized bank.
4. Bidder must have SSI permanent registration in this field.
5. Bidder must have manufacturing ability with factory & office set up, adequate technical staff and at least one service centre in NE region.
6. Bidder must not have any legal case in any of the institute and have never being legally prosecuted.
7. PAN No. & TIN/ GRN Number is to be furnished, otherwise quotations will be rejected.

Tender papers as well as details can be obtained from the Environment Division, ASTE Council, Guwahati-5 on payment of Rs.100/- (Rupees one hundred) only by way of DD (non refundable) against the work in favour of "Director, ASTE Council, Guwahati".

Tender paper may also be down loaded from the website www.astesec.gov.in. In such case, DD/ Banker's Cheque has to be enclosed along with the sealed Technical Bid. The IPO is also to be enclosed along with the Technical Bid, otherwise tender will be rejected without assigning any Notice thereof.

Director, ASTEC reserves the rights to accept any offer that would be advantageous to this Council OR reject any or all tenders without assigning a reason thereof.

Director
ASTE Council

- Copy to:
1. Notice Board
 2. The DIPR, Govt. of Assam for publication in Assam Tribune & Times of India.
 3. Dy. FAO, ASTEC
 4. Concern file

Director

ASSAM SCIENCE TECHNOLOGY AND ENVIRONMENT OUNCIL
BIGYAN BHAWAN, G.S. ROAD, GUWAHATI - 781005

Name of work : **Construction & Commissioning of Hi-Tech Orchidarium**
Area : **150 sq. m.**
Work site : **Madan Kamdev, near Baihata Chariali, Kamrup, Assam**

Terms & Conditions

1. Technical Bid and Financial Bid should be separately submitted in two properly sealed envelopes. Technical bid will be opened first and the Financial Bid shall be opened only of those bidders who shall be qualified the Technical Bid. The Technical Bid should contain relevant particulars as mentioned in Sl. No. 2 – 16 and Financial Bid should contain particulars as mentioned in Sl. No. 17. Technical Bid and Financial Bid should be superscript with “**Tender for Hi-Tech Orchidarium – Technical Bid**” & “**Tender for Hi-Tech Orchidarium – Financial Bid**” on the sealed separate envelopes
2. Bidders should be approved as an R & D company/ Firm by DSIR, Government of India.
3. Bidder should have SSI permanent registration in this field.
4. Detailed technical drawings/ photograph of the work are to be implemented by bidder as per our requirement.
5. Bidder must have minimum 10 years experience in India in making of such facilities like Green Houses, High Tech Orchidarium, etc. Experience in NE region is desirable and should provide a list of user’s made during the period with satisfactory report from users.
6. Bidder should be having Certificate of ISO 9001:2008/ISO 14001:2004/ISO OHSAS 18001:2007 and financial soundness certificate of any nationalized bank.
7. Bidder should self authenticate that, that their company/ firm or sister company (ies) has not been black listed in any department or institute in India & also mention that their company is not having any legal case in any of the institute further owners or Partners/Directors have never being legally prosecuted & are not in legal dispute with any government department regarding green house project. If any bidder submits false information their tender will be cancelled and EMD amount will be forfeited automatically.
8. Evidence of completed similar type of greenhouse work should be submitted for last 3 years.
9. Proof of soundness of the firm in executing of the work as evidence by user comments/certificates should be submitted.
10. Bidder must have manufacturing ability with factory & office set up, adequate technical staff and at least one service centre in NE region.
11. Complete profile/Set up of the bidder should be submitted. The Technical Committee of the Project may visit the Company set up for verification (if necessary).
12. User list of similar type of jobs of with reputed institutions, concern person and phone numbers details should be submitted.
13. Bidder should provide the details of the technical staff and skilled workers working with the company since last 3 years.
14. Earnest Money Deposit (EMD) shall be 2% of the estimated value of the whole works and EMD should necessarily accompany the Technical Bid in the form of DD drawn in favour of “Director, ASTE Council, Guwahati”. Tender without EMD & IPO shall be rejected.
15. Guarantee/Warranty should be offered at least for a period of 2 years and details of after sales service where ever applicable.
16. It is a Turnkey basis work and as such, rate should be quoted for whole works inclusive of all prevailing taxes & duties and applicable taxes will be deducted at source against which necessary tax deduction certificate will be issued as and when required.

17. PAN No. & TIN/ GRN No. is to be furnished along with Technical Bid, otherwise quotations will be rejected.
18. Samples of all materials to be used should be shown/ presented at the time of opening of the Technical Bid. Non compliance will invite rejection of the tender.
19. Bidder has to give a technical presentation in front of Technical Committee while technical bid is opened.
20. All tools and plants are to be supplied by the contractor himself.
21. Sub standard materials will not be allowed to use under any circumstances.
22. A Provisional Work Order will be issued to the selected bidder and he/ she must sign the F-2 Agreement Form before construction/ commissioning of the work. Final Work Order will be issued after completion of the formalities of F-2 Agreement.
23. All works should be completed within 6 months from the date of issue of the Final Work Order.
24. Security deposit of Rs. 10% which includes 2% EMD will be released after 6 (six) months from the completion of the entire works.
25. The contractor will be allowed to make temporary shed (if necessary) at the worksite for storing goods at their own risk.
26. Any dispute whatsoever will be confined within the jurisdiction of Gauhati High Court, Guwahati.
27. Director, ASTEC reserves the rights to accept any offer that would be advantageous to this Council OR reject any or all tenders without assigning a reason thereof.

Date 20.08.2010

Director
ASTE Council
Guwahati -5