

## **Tender Notice**

The State Horticulture Mission-Kerala invites sealed tenders from firms having experience and expertise in implementing Hi-Tech farming including poly houses, open precision farming, rain shelter, etc for establishment of 21 naturally ventilated polyhouse demonstration units of size 500 sq. m. / 1000 sq.m. across the state.

### **Terms and Conditions:-**

1. The firm should have its fabrication unit, in support of which documentary proof is required.
2. Tender in sealed envelope superscribed with 'Tender for establishment of naturally ventilated polyhouse' along with Demand Draft for Rs. 14726/- + 12.5% VAT(towards cost of tender) payable at Trivandrum in favour of the Mission Director, State Horticulture Mission-Kerala should be submitted before 15.00 hours on 22.08.2012 and will be opened on the same day at 16.00 hours.
3. EMD @ 1% of quoted rate by way of Demand Draft payable at Trivandrum in favour of the Mission Director, State Horticulture Mission-Kerala should be attached along with the tender.
4. Validity of the tender will be one year and can continue till next tender.
5. Firm should be having ISO-9001:2008/ISI certification for green house/polyhouse and accessories
6. Firm should have turn over of at least Rs.3 crore as of 31.3.2012
7. Firm should submit balance sheet as of 31.3.2011 & 31.3.2012
8. Firm should mention their Sale Tax / VAT No. & PAN
9. The firm should have minimum experience of 3 years for construction of Hi-tech Green House/Polyhouse (Proof should be enclosed)
10. The firm should have an expert panel to implement the project on a turnkey basis.
11. Company should have office in Kerala for after sales service.
12. The rate per sq.m. for establishing naturally ventilated polyhouses of size 500 sq. m. and 1000 sq.m. with the following specifications should be quoted with engineering specifications and relevant designs and drawings. Rates for activities including construction of structures, agronomic support, input support( hybrid seeds, seeds/ planting materials of high yielding varieties, water soluble fertilizers, PPC,etc), production strategy, marketing strategy, inclusive/ exclusive of management costs should also be quoted.

**NATURALLY VENTILATED POLY HOUSE**

**(Hot Dipped Galvanized Tubular Structures)**

**Size : 500 sq.m. /1000 sq.m.**

<b>SL.No</b>	<b>Item</b>	<b>Indicative Specifications</b>
<b>I</b>	<b>Structure: Structure should withstand winds of velocity upto 120 km/hour, without weld</b>	
1	Columns	-Tubular Structure: 60 OD and 48 OD, 2.0 mm thick
2	Purlin	-Tubular structure: 48 mm OD/2.0 mm thick at ridge and 42/43 mm OD/2.0 mm thick for centre
3	Trusses	-Tubular structure : bottom horizontal 60 mm OD/2.0 mm thick G.I Pipe, top chords and truss members 48 mm OD and 43 OD 2.0 mm thick  Bracing 32 mm OD/1.8 mm thick G.I Pipe structural members to be fitted in plated nuts, bolts and washers without welding.
4	Span size	8.0 m plus 2.0 m on both sides
5	Gable length	4.0 m
6	Overall slope	The overall slope of the gutters and the internal soil surface should be 1.0-1.5%
7	Clamps and nut bolts	Well compatible and galvanized
8	Height	Centre ht. 5.5 m, side ht 3.0 m
9	Aluminum profile	C type Aluminum profile to fix plastic film to the structure by means of self tapping screws. Weight of aluminum profile is 200-220 GSM
10	Spring Insert	Zigzag spring insert to fix shade net to Aluminum profile 2.3 mm diameter of spring wire with cold galvanization. Wire material should be high carbon steel with spring action

11	Foundation	Columns area fitted over ground “inserts”/ and bolted to insert pipe. Length of insert 1.0 to 1.10 meter, PCC of CM ratio 1:2:4 of 40 cm x 40 cm x 90 cm sizes & filling the pit with 1:2:4 concrete hands mixed with appropriate grade cement
12	Entrance	Polycarbonate sheet, G.I. frame 2m x 2m size hinged type with locking arrangement. (Double door with anti room with provision of entry and exit for tractor), 50 mm PCC flooring over 75 mm thick sub base
13	Poly film	200 micron thick, U.V stabilized, diffused/clear depending upon requirement, thermic, anti sulphur in case of rose cultivation, anti drip and anti dust made up of Ginegar/Essan & SN Industries conforming to national and international standards
14	Ventilation	Insect proof net on sides/top : UV stabilized 40-50 mesh and white in colour on all sides of ventilation portion. 35% white shade net can be used depending upon the crop and climate requirement
15	Shading net	50% UV stabilized HDPE Agro shading net Green/Black color, collapsible system will be provided
16	Drip irrigation system	It consist of 1.0-2.0 lph, spacing 20/30 cm with complete control unit-filter, valves, ventury system, pumps, control panel etc.
17	Fogging/misting system	It consist of four way anti leak fogger 28 lph flow rate and particle size 80-100 micron, 16 mm lateral, PVC pipe 6 kg/cm <sup>2</sup> , valves, filter, pump, panel with volt meter, MCB, relay, temp and humidity sensor etc. complete application rate 3 mm/hr. Spacing from lateral line to lateral line is 2.5 m and fogger to fogger also 2.5 m all across the poly house along the G.I pipes across.
18	Piltz Timer for fogging/misting system	Piltz Timer with manual operation.

13. Estimated cost should be inclusive of tax, transportation charges, material cost, labour cost, supervision charges, etc and no extra cost should be claimed beyond the estimated cost.
14. The materials to be used should have BIS mark and as per the specifications approved by a high level technical committee
15. Warranty of three years on the entire structure and UV sheet should be furnished by the erector.
16. Any type of mismanagement/harassment to the farmer if noticed, the erector will be charged penalty
17. The firm should preferably have experience of working in Kerala to know the geography of the state
18. The firm should have experience of working with State Horticulture Missions of States/Union Territories
19. Should submit brochure of the Firm
20. Firm to submit minimum 3 testimonials on satisfactory performance from Govt. Institutions/SHM/Agricultural University/ICAR Units
21. The prices quoted should be on FOR basis and inclusive of all taxes. State Horticulture Mission will provide road permit if required.
22. Tender form can be downloaded from the website **[www.keralaagriculture.gov.in](http://www.keralaagriculture.gov.in)**
23. The Mission Director, State Horticulture Mission-Kerala will have the right to modify the terms and conditions of the tender and also reserves the right to accept or reject any tenders and no claim whatsoever in this respect shall be entertained.

Sd/-

**Mission Director**

**FORM OF TENDER**

From

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To

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Sir,

I/We hereby tender to supply, under the annexed general conditions of contract; the whole of the articles referred to and described in the attached specification and schedule, or any portion thereof, as, may be decided by Government, at the rates quoted against each item. The articles will be delivered within the time and at the places specified in the schedule.

\*I/We am/are remitting/ have separately remitted the required amount of Rs. .... as earnest money.

Yours faithfully,

Signature

Date

Address

\*To be scored in cases where no earnest money deposit is furnished.

## GENERAL CONDITIONS

Sealed tenders are invited for the supply of the materials as specified in the schedule below/ attached.

1. The tenders should be addressed to the officers mentioned below in a sealed cover with the tender number and name shown below duly superscribed on the cover.

2. The tenders should be in the prescribed form which can be obtained from the officer mentioned below on payment of the price which is also noted below. Duplicate copies of the tender forms will also be issued at the rate specified below. The cost of tender forms once paid will not be refunded. Tenders which are not in the prescribed form are liable to be rejected. The rates quoted should be only in Indian currency. Tenders in any other currency are liable to rejection.

3. Intending tenderers should send their tenders so as to reach the Officer mentioned below, on due date and time (noted below). No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned below. Tenders not stipulating period of firmness and tenders with price variation clause and /or subject to prior sale' condition are liable to be rejected.

4. (a) Every tenderer who has not registered his name with the State Government (Stores Purchase Department), should send along with his tender, an earnest money of one per cent of the total cost of the articles tendered for (rounded to the nearest rupee) subject to the minimum of Rs. 30, if the amount calculated at one per cent of the value of the articles tendered for falls below Rs. 30. The amount may be paid by Demand Drafts (crossed) on the local branch of State Bank of Travancore/ State Bank of India drawn in favour of the officer mentioned below. Cheques will not be accepted. The earnest money of the unsuccessful tenderers will be returned within the period of one month after the tenders are settled; but that of the successful tenderer will be adjusted towards the security that will have to be deposited for the satisfactory fulfillment of the contract. "If the Earnest Money Deposit of the successful tenderer is not refunded within three months of finalization of the contract interest at the rate of interest paid for S.B accounts by nationalized banks will be paid on the Earnest Money Deposit".

(b) Tenderers whose names are registered with Government (Stores Purchased Department) are generally exempted from furnishing earnest money for such articles for which they have registered their names. If they tender for stores other than those for which they have registered their names, they will have to furnish earnest money as in the case of unregistered firms. Registered firms will have to quote invariably in every tender they submit the registration number assigned to them by the Stores Purchase Department.

(c) (i) Small Scale industries and Cottage Industries and Industrial Co-operatives within the State which are certified as such by the Director of Industries and Commerce or by the Regional Joint Directors of Industries and Commerce will be exempted from, furnishing earnest money deposits in support of tenders submitted by them to Government Departments. The Khadi and Village industries

Co-operatives Societies and the institutions registered under the literary, scientific and charitable Societies Act and financed by the Kerala Khadi and village Industries Board within that State which are certified as such by the Secretary, Kerala Khadi and village Industries Board will be exempted from furnishing earnest money deposits in support of tenders submitted by them to Government Departments. Government Institutions/State Public Sector Industries which manufacture and supply stores will also be exempted from furnishing earnest money for tenders submitted by them.

(ii) Small Scale Industries, Cottage Industries and Industrial Co-Operatives within the State which have been registered as such with the Industries Department (Department under the control of the Director of Industries and commerce) on furnishing proof of such registration will be exempted from furnishing security deposit against contracts for supply of stores manufactured by them provided that an officer of and above the rank of Deputy Director of Industries and Commerce having jurisdiction over the area also certifies to the soundness and reliability of the concerns to undertake the contracts. The Khadi and village Industries Co-operative societies within the State which have been registered as such with the Kerala Khadi and Village Industries Board and the institutions registered under the Literary, Scientific and Charitable Societies Act and which are financed by the Board within the state on furnishing proof of such registration will be exempted from furnishing security deposits against contracts for supply of stores manufactured by them provided that the Secretary, Kerala Khadi and village industries board also certifies to the soundness and reliability of the concerns to undertake the contracts. Government Institutions or any institutions listed in appendix XVI which supplies stores, and Government of India undertaking will also be exempted from furnishing security in respect of contracts for supply of stores.

(d) In the matter of purchase of Stores by the State Government Departments, Small Scale Industries Units sponsored by the National Small Scale Industries Corporation Limited, New Delhi and in respect of which competency certificates are issued by the Corporation will be exempted from payment of earnest Money Deposits and Security Deposits.

(e) The exemption stipulated in clauses (b), (c), and (d) above will not however, apply to tenders for the supply of raw materials or dietary articles or supply of stores on rate or running contract basis.

5. The tenders will be opened on the appointed day and time in the office of the undersigned, in the presence of such of those tenderers or their nominees who may be present at that time.

6. If any tenderer withdraws from his tender before the expiry of the period fixed for keeping the rates firms for acceptance, the earnest money if any, deposited by him will be forfeited to Government or such action taken against him as Government think fit.

7. Tenderers shall invariably specify in their tenders the delivery conditions including the time required for the supply of articles tendered for.

8. (a) The tenderer shall clearly specify whether the articles offered bear Indian Standards Institution Certification Mark or not. In such cases, they shall produce copies of certification mark along with their tender in support of it.

(b) Tenderers shall clearly specify whether the goods are offered from indigenous sources from imported stocks in India or from foreign sources to be imported under a license. Government reserves the right to reject offers for import of goods if the Import Trade Control Policy in force at the time of award of the contract prohibits or restricts such imports.

9. The final acceptance of the tenders rests entirely with the Government who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tenders as may be allotted to them.

10. In the case of materials of technical nature the successful tenderer should be prepared to guarantee satisfactory performance for a definite period under a definite penalty.

11. Communication of acceptance of the tender normally constitutes a concluded contract. Nevertheless; the successful tenderer shall also execute an agreement for the due fulfillment of the contract within the period to be specified in the letter of acceptance. The contractor shall have to pay all stamp duty, lawyer's charges and other expenses incidental to the execution of the agreement. Failure to execute the agreement within the period specified will entail the penalties set out in para 12 below.

12. a) The successful tenderer shall, before signing the agreement and within the period specified in the letter of acceptance of his tender, deposit a sum equivalent to 5 per cent of the value of the contract as security for the satisfactory fulfillment of the contract less the amount of the money deposited by him along with his tender. The amount of security may be deposited in the manner prescribed in clause 4 supra or in Government Treasury Savings Bank and the Pass Book pledged to Purchasing Officer or in Fixed Deposit Receipts of State Bank of Travancore /State Bank of India endorsed in favour of the above officer. Letters of guarantee in the prescribed form for the amount of security from an approved Bank will also be considered though at the discretion of Government. If the successful tenderer fails to deposit the security and execute the agreement as stated above, the earnest

money deposited by him will be forfeited to Government and contract arranged elsewhere at the defaulter's risk and any loss incurred by Government on account of the purchase will be recovered from the defaulter who will, however, not be entitled to any gain accruing thereby. If the defaulting firm is a registered firm their registration is liable to be cancelled.

b) In cases where a successful tenderer, after having made partial supplies fails to fulfill the contracts in full, all or any of the materials not supplied may at the discretion of the Purchasing Officer, be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any, caused to the Government shall thereby together with such sums as may be fixed by the Government towards damages be recovered from the defaulting tenderer.

c) Even in cases where no alternate purchases are arranged for the materials not supplied, the proportionate portion of the security deposit based on the cost of the materials not supplied at the rate shown in the tender of the defaulter shall be forfeited and balance alone shall be refunded.

d) If the contractor fails to deliver all or any of the stores or person the service within the time /period(s) specified remedies under the purchaser shall without prejudice to its other remedies under the contract, deduct from the contract price as liquidated damages, a sum equivalent to 0.5 % or 1 % of the delivered price of the delayed stores or unperformed services for each week of delay until actual delivery or performance, up to a maximum deduction of 10 % of the contract prices of the delayed stores or services. Once the maximum is reached, the purchaser may consider termination of the contract at the risk and cost of the contractor.

13. The security deposit shall, subject to the conditions specified herein, be returned to the contractor within three months after the expiration of the contract, but in the event of any dispute – arising between the Department concerned and the contractor, the Department shall be entitled to deduct out of the deposits or the balance thereof, until such dispute is determined the amount of such damages, costs, charges and expenses as may be claimed. The same may also be deducted from any other sum which may be due at any time from Government to the contractor. In all cases where there are guarantee for the goods supplied the security deposit will be released only after the expiry of the guarantee period. "If the Security Deposit is not released even after the completion of one year, from the date of expiry of the period of contract provided there are no complaints against the contractor, interest at the rate of paid for S.B. accounts by nationalized banks will be paid on the Security Deposit."

a) "If the Earnest Money Deposit/Security Deposit is not released within the period specified for no fault of the Contractor, the loss incurred to Government shall be made good from the Officer responsible for the belated release of the Earnest Money Deposit/Security Deposit".

14. a) All payments to the contractors will be made by the Purchasing Officer in due course:

i) Either by departmental cheques payable at the Kerala Government Treasuries; or

ii) by cheques or drafts on the Reserve Bank of India, State Bank of India and State Bank of Travancore ( at any of their Principal Branches in India)

(iii) in the case of supplies from abroad by drafts as may be arranged between the contracting parties.

(b) All incidental expenses incurred by the Government for making payments outside the district in which the claim arises shall be borne by the contractor.

15. The tenderers shall quote also the percentage of rebate (discount) offered by them in case the payment is made promptly within fifteen days/within one month of taking delivery of stores.

16. Ordinarily payments will be made only after the supplies are actually verified and taken to stock but in exceptional cases, payments against satisfactory shipping documents including certificates of insurance will be made up to 90 per cent of the value of the materials at the discretion of Government. Bank charges incurred in connection with payment against documents through bank will be to the account of the contractor. The firm will produce stamped pre-receipted invoices in all cases where payments (advance/final) for release, of Railway receipts/shipping documents are made through banks. In exceptional cases where the stamped receipts of the firms are not received for the payments (in advance) the unstamped receipt of the Bank (i.e., counterfoils of pay-in-slips issued by the Bank) alone may be accepted as a valid proof for the payment made.

17. The contractor shall not assign or make over the contract on the benefits or burdens thereof to any other person or body corporate. The contractor shall not underlet or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the purchasing officer who shall have absolute power to refuse such consent or to rescind such consent (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the sub-contractor upon such rescission. Provided always that if such consent be given at any time, the contractor shall not be relieved from any obligation, duty or responsibility under this contract.

18. (a) In case the contractor becomes insolvent or goes into liquidation, or makes or proposes to make any assignment for the benefit of his creditors or proposes any composition with his creditors for the settlement of his debts, carries on his business or the contract under inspection on behalf of or his creditors, or in case any receiving order or orders, for the

administration of his estate are made against him or in case the contractor shall commit any fact of insolvency or in case in which under any clause or clauses of this contract the contractor shall have rendered himself liable to damages amounting to the whole of his security deposits, the contract shall, thereupon, after notice given by the Purchasing Officer to the contractor, be determined and the Department/Government may complete the contract in such time and manner and by such persons as the Department/Government shall think fit. But such determination of the contract shall be without any prejudice to any right or remedy of the Government against the contractor of his sureties in respect of any breach of contract theretofore committed by the contractor. All expenses and damages caused to Government by any breach of contract by the contractor shall be paid by the contractor to Government, and may be recovered from him under the provisions of the Revenue Recovery Act in force in the State.

(b) The persons/contractors submitting tenders should be produce a solvency certificate, clearly indicating to what extent they are solvent from the Tahsildar of the Taluk where they reside along with their tenders.

Note- The solvency certificate referred to above will apply only in the case of supply of the following articles viz. , dietary articles, fuels, raw materials like roots, creepers, flowers etc., and provisions to hospitals and hotels, sundry articles etc.

19. (a) In case the contractor fails to supply and deliver any of the said articles and things within the time provided for delivery of the same, or in case the contractor commits any breach of any of the covenants, stipulations and agreements herein contained, and on his part to be observed and performed, then and in any such case, it shall be lawful for Government (if they shall think fit to do so) to arrange for the purchase of the said articles and things from elsewhere or on behalf of the Government by an order in writing under the hand of the Purchasing Officer put an end to this contract and in case the Government shall have incurred, sustained or been put to any costs, damages or expenses by reason of such purchase or by reason of this contract having been so put an end to or in case any difference in price, compensation, loss, costs, damages, expenses or other moneys shall then or any time during the continuance of this contract be payable by the contractor to the Government under and by virtue of this contract, it shall be lawful for the Government from and out of any moneys for the time being payable or owing to the contractor from the Government under or by virtue of this contract or otherwise to pay and reimburse to the government all such costs, damages and expenses they may have sustained, incurred or been put to any reason of the purchase made elsewhere or by reason of this contract having been so put an end to as aforesaid and also such difference in price, compensation, loss, costs, damages, expenses and other moneys as shall for the time being be payable by the contractor aforesaid.

(b) In case any difference or dispute arises in connection with the contract, all legal proceedings relating to the matter shall be instituted in the Court within whose jurisdiction the Purchasing Officer voluntarily resides.

20. Any sum of money due and payable to the contractor (including security deposits returnable to him) under this contract may be appropriated by the Purchasing Officer or Government or any other persons authorized by the Government and set off against any claim of the Purchasing Officer of Government for the payment of a sum of money arising out of or under any other contract made by the contractor with the Purchasing Officer or Government or any other person authorized by Government. Any sum of money due and payable to the successful tenderer or contractor from Government shall be adjusted against any sum of money due to Government from him under any other contracts.

21. Every notice hereby required of authorized to be given may be either given to the contractors personally or left at his residence or last known place of abode or business, or may be handed over to his agent personally, or may be addressed to the contractor by post at his usual or last known place of abode or business and if so addressed and posted, shall be deemed to have been served on the contractor on the date on which, in the ordinary course of post, a letter so addressed and posted would reach his place abode or business.

22. The tenderer shall undertake to supply materials according to the standard sample and/or specification.

23. (a) No representation for enhancement of rates once accepted will be considered. However, in exceptional cases if Government is convinced of any compelling need for enhancement of rate, it may do so.

(b) In the case of imported goods, when the price accepted is the *ex-site* price quoted by the tenderer, the benefit of any reduction in the c.i.f. price should accrue to the purchasing department of Government.

24. Any attempt on the part of the tenderers or their agents to influence the Department/Stores Purchase Department in their favor by personal canvassing with the Officers concerned will disqualify the tenderers.

25. Tenderers should be prepared to accept orders subject to the penalty clause for forfeiture of security in the event of default in supplies or failure to supply within the stipulated period.

26. Samples should be forwarded if called for and unapproved samples got back by the tenderers at their own cost. Samples sent by V.P Post of 'freight to pay' will not be accepted. The approved samples may or may not be returned at the discretion of the undersigned. Sample sent by post, railway or plane should be so despatched as to reach the purchasing Officer not later than the date on which the tenders are due. In the case of samples sent by railway the receipt should be sent separately and not along with the tender since the tender will be opened only on the appointed day and demurrage will have to be paid if the railway parcels are not cleared in time. Government will not be responsible if any sample is found missing at any time due to the non-observance of the provisions of this clause. Tenderers whose samples are received late will not be considered. Samples should be forwarded under separate cover duly listed and the corresponding number of the item in the tender schedule should also be noted list of samples. Tenders for the supply of materials are liable to be rejected unless samples, if called for, of the materials tendered for are forwarded.

27. Telegraphic quotations will not be considered unless they give details of prices and are immediately followed by confirmation with full relevant details posted before the due date of the tender.

28. (a). The prices quoted should be inclusive of all taxes, duties, cesses etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply of delivery during the course of execution of the contract.

(b). In case payment of customs / excise duty is to be made by the Purchasing Officer, the Purchasing Officer will pay the duty on the 'unloaded invoice price' only in the first instance, any difference being paid when the tenderer produces, the final assessment orders later.

29. The tenderer will be invariably furnish the following certificate with their bills for payment.

"Certificate that the goods on which sales tax has been charged have not been exempted under the Central Sales Tax Act or the State Sales Tax Act or the Rules made there under and the charges on account of sales tax on these goods are correct under the provisions of the relevant Act or the rules made there under. Certified further that we (or our Branch or Agent)

(Address )

are registered as dealers in the State of..... under Registration No. .... for purposes of sales tax."

30. Special conditions, if any, of the tenderers attached with the tenders will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.

31. (This applies only to the case of supply contracts where works such as erection and construction have also to be done. This may be scored out when not applicable.) In the event of any special conditions of this contract or in connection with this contract the same shall be referred to the award of an arbitrator to be nominated by the purchasing officer and an arbitrator to be nominated by the contractor or in case of the said arbitrators not agreeing then to the award of an umpire to be appointed by the arbitrators in writing before proceeding on the reference and the decision of the arbitration or in the event of their not agreeing of the umpire appointed by them shall be final and conclusive and the provision of the , Indian Arbitration Act, 1940 and of the rules there under and any statutory modifications thereof shall be deemed to apply to and be incorporated in this contract. Upon every and any such reference the assessment of the costs incidental to their reference and award respectively shall be in the discretion of the arbitrators or in the event of their not agreeing of the umpire appointed by them. The venue of arbitration shall be the place from which the acceptance of tender is issued or such other place as the purchaser at his entire discretion may determine.

32. The tenderer should send along with his tender an agreement executed and signed in Kerala Stamp Paper of value Rs 100 purchased in the Kerala State. Stamp paper will be supplied to firms outside Kerala along with the tender forms on payment of Rs 105 (Rs 100 being the value of the stamp paper and Rs 5 incidental charges) which may be remitted by money order in advance. A specimen form of agreement is given as annexure to this tender. Tenders without the agreement in stamped paper will be rejected outright. But in deserving cases where agreement has not been received the purchasing Officer may exercise his discretion and call upon such tenderer to execute the agreement within the

period of ten days from the date of issues of such intimation, if the purchasing officer is satisfied that the omission to forward the agreement along with the tender was due to causes beyond the control of the tenderer and was not due to any negligence on his part. Agreement received from a tenderer after above time limit will not be considered.

## Details of Tender

Superscription- Tender No.80/SHM/12 for Establishment of Naturally ventilated poly houses

Due date and time for receipt of tender-15.00 hours on 22.08.2012

Date and time for opening of tender-16.00 hours on 22.08.2012

Date upto which the rates are to be firm-One year from the date of acceptance of tender and shall continue till next tender.

Price of tender form- Rs. 14726/- + VAT 12.5%

Price of duplicate copy-Rs. 7363/- + VAT 12.5%

Address of officer from whom tender forms are to be obtained and to whom tenders are to be sent---- Dr. K. Prathapan,

Mission Director,  
State Horticulture Mission-Kerala,  
University.P.O, Palayam, Trivandrum-34

Name of Office: State Horticulture Mission-Kerala

Station and Date: Trivandrum, 08.08.2012

### SCHEDULE OF MATERIALS

#### NATURALLY VENTILATED POLY HOUSE

#### (Hot Dipped Galvanized Tubular Structures)

Size : 500 sq.m. /1000 sq.m.

#### “FINANCIAL BID”

SL.N o	Item	Indicative Specifications	Rate for 500 sq.m.	Rate for 1000 sq.m.
I	Structure:	Structure should withstand winds of velocity upto 120 km/hour, without weld		
1	Columns	-Tubular Structure: 60 OD and 48 OD, 2.0 mm thick		

2	Purlin	-Tubular structure: 48 mm OD/2.0 mm thick at ridge and 42/43 mm OD/2.0 mm thick for centre		
3	Trusses	-Tubular structure : bottom horizontal 60 mm OD/2.0 mm thick G.I Pipe, top chords and truss members 48 mm OD and 43 OD 2.0 mm thick  Bracing 32 mm OD/1.8 mm thick G.I Pipe structural members to be fitted in plated nuts, bolts and washers without welding.		
4	Span size	8.0 m plus 2.0 m on both sides		
5	Gable length	4.0 m		
6	Overall slope	The overall slope of the gutters and the internal soil surface should be 1.0-1.5%		
7	Clamps and nut bolts	Well compatible and galvanized		
8	Height	Centre ht. 5.5 m, side ht 3.0 m		
9	Aluminum profile	C type Aluminum profile to fix plastic film to the structure by means of self tapping screws. Weight of aluminum profile is 200-220 GSM		
10	Spring Insert	Zigzag spring insert to fix shade net to Aluminum profile 2.3 mm diameter of spring wire with cold galvanization. Wire material should be high carbon steel with spring action		
11	Foundation	Columns area fitted over ground "inserts"/ and bolted to insert pipe. Length of insert 1.0 to 1.10 meter, PCC of CM ratio 1:2:4 of 40 cm x 40 cm x 90 cm sizes & filling the pit with 1:2:4 concrete hands mixed with appropriate grade cement		
12	Entrance	Polycarbonate sheet, G.I. frame 2m x 2m size hinged type with locking arrangement. (Double door with anti room with provision of entry and exit for tractor), 50 mm PCC flooring over 75 mm thick sub base		
13	Poly film	200 micron thick, U.V stabilized, diffused/clear depending upon requirement, thermic, anti sulphur in case of rose		

		cultivation, anti drip and anti dust made up of Ginegar/Essan & SN Industries conforming to national and international standards		
14	Ventilation	Insect proof net on sides/top : UV stabilized 40-50 mesh and white in colour on all sides of ventilation portion. 35% white shade net can be used depending upon the crop and climate requirement		
15	Shading net	50% UV stabilized HDPE Agro shading net Green/Black color, collapsible system will be provided		
16	Drip irrigation system	It consist of 1.0-2.0 lph, spacing 20/30 cm with complete control unit-filter, valves, ventury system, pumps, control panel etc.		
17	Fogging/misting system	It consist of four way anti leak fogger 28 lph flow rate and particle size 80-100 micron, 16 mm lateral, PVC pipe 6 kg/cm <sup>2</sup> , valves, filter, pump, panel with volt meter, MCB, relay, temp and humidity sensor etc. complete application rate 3 mm/hr. Spacing from lateral line to lateral line is 2.5 m and fogger to fogger also 2.5 m all across the poly house along the G.I pipes across.		
18	Piltz Timer for fogging/misting system	Piltz Timer with manual operation.		
	<b>Total cost</b>			
	<b>Rate/sq.m.</b>			

**Rates for activities including construction of structures, agronomic support, input support( hybrid seeds, seeds/ planting materials of high yielding varieties, water soluble fertilizers, PPC,etc), production strategy, marketing strategy, inclusive/ exclusive of management costs should also be quoted.**

Whether samples essential:

Period within which goods should be delivered : 3 weeks from the date of issue of work order

Rates should be quoted for delivery, installation and commissioning.

Other Special Conditions: Quote should be for all items and individual item quote will not be entertained.

## ANNEXURE

### AGREEMENT

Articles of the agreement executed on this the ..... day of ..... two thousand twelve BETWEEN the Governor of Kerala (hereinafter referred to as “the Government”) of the one part and Shri..... (H.E name and address of the tenderer) (hereinafter referred to as “the bounden”) of the other part.

WHEREAS in response to the Notification No..... dated..... The bounden has submitted to the Government a tender for the ..... specified therein subject to the terms and conditions contained in the said tender.

WHEREAS the bounden has also deposited with the Government a sum of Rs..... As earnest money for the execution of an agreement undertaking the due fulfillment of the contract in case his tender is accepted by the Government.

Now THESE PRESENTS WITNESS and it is hereby mutually agreed as followed:

1. In case the tender submitted by the bounden is accepted by the Government and the contract for ..... Is awarded to the bounden, the bounden shall within ..... days of acceptance of his tender execute an agreement with the Government incorporating all the terms and conditions under which the Government accepts his tender.
2. In case the bounden fails to execute the agreement as aforesaid incorporating the terms and conditions governing the contract, the Government shall have power and authority to recover from the bounden any loss or damage caused to the Government by such breach as may be determined by the Government by appropriating the earnest money deposited by the bounden and if the earnest money is found to be inadequate the deficit amount may be recovered from the bounden and his properties movable and immovable in the manner hereinafter contained.
3. All sums found due to the Government under or by virtue of this agreement shall be recoverable from the bounden and his properties movable and immovable under time provisions of the

Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue and in such other manner as the Government may deem fit.

In witness whereof Shri. .... (H.E name and designation) for and on behalf of the Governor of Kerala and Shri..... the bounden have hereunto set their hands the day and year shown against heir respective signatures.

Signed by Shri..... (date).....

In the presence of witnesses:

1..... 2. ....

Signed by Shri..... (date).....

In the presence of witnesses:

1..... 2. ....