

**Kerala Agricultural University**  
**Extension Training Centre, Manjeswar**  
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ETC/36/2018

22-10-2019

**TENDER NOTICE**

Sealed competitive tenders are invited for Installation of **Naturally Ventilated Poly House** at this station as per the terms and conditions listed below.

**Last date of receipt of Tender : 11/11/2019 at 3.00pm**  
**Opening of Tender : 11/11/2019 at 3.30pm**

**Naturally Ventilated Polyhouse**

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1	<b>Product</b>	Naturally Ventilated Arch Shaped Polyhouse
2	<b>Size</b>	400 m <sup>2</sup>
3	<b>Distance between consecutive column pipes</b>	3.30 m
4	<b>Preferred Length</b>	40 m
5	<b>Preferred Width</b>	10 m
6	<b>Ridge/centre height</b>	6.5 m
7	<b>Gutter height</b>	4 m from the ground level
8	<b>Structure</b>	Complete structure made of Galvanized Iron (GI) tubular pipes or equivalent section conforming Indian Standards having a wall thickness 2 mm
9	<b>Roof extension (Rain guard)</b>	30 cm extension from both side walls
	<b>Column pillars</b>	2" 2mm thick GI B class pipes
	<b>Pillars</b>	2" 2mm thick GI B class pipes
	<b>Cross</b>	2" 2mm thick GI B class pipes
	<b>Support</b>	1.5" & 1.25" 2mm thick GI B class pipes
	<b>Arch</b>	1.5" 2.0 mm thick GI B class pipes
10	<b>Purlins</b>	1.25" 2mm thick GI B class pipes
	<b>Foundation pipes and pillar pipes</b>	65 mm (diameter)
	<b>Arch pipes</b>	56 mm (diameter)
	<b>Arch support pipes</b>	20 mm (diameter)
	<b>Pillar connecting</b>	40 mm (diameter)

	<b>cross pipes</b>	
	<b>Purling pipes &amp; skirting pipes</b>	40 mm (diameter)
	<b>Antivirus net fixing pipe &amp; rain guard, pipes &amp; stay</b>	25mm (diameter)
	<b>Wind reinforcement pipes</b>	40 mm (diameter)
	<b>Double door pipes</b>	25 mm (diameter)
<b>11</b>	<b>Foundations</b>	Insert GI pipes of minimum 1.5” GI B class pipe, into foundation of depth 100 cm & width 30 cm (1 foot) grouted with cement concrete mixture of 1:2:4.
<b>12</b>	<b>Anti-room &amp; Door</b>	Anti-room of 2.5 m X 2 m X 2m (LXWXH) covered with 200 micron UV stabilized transparent plastic film. Outer hinge door of 1 m width & 1.8 m height and inner door of sliding type.
<b>13</b>	<b>Cladding material (Poly film)</b>	UV stabilized, IR reflective, 200 micron multi layered anti drip/mist, anti dust, diffused having 85 % light transmission
<b>14</b>	<b>Skirting</b>	50 cm height made of HDPE woven UV stabilized fabric 150 GSM
<b>15</b>	<b>Light diffusing net</b>	Movable using 50% red 120 GSM
<b>16</b>	<b>Fixing of cladding material</b>	All ends/ joints of poly film fixed with two way aluminium profiles with suitable locking arrangements. Aluminium profile- triple spring locking, 0.9 mm thick with smooth edges.
<b>17</b>	<b>Spring insert</b>	Zig-zag high carbon steel with spring action wire of 2-3 mm diameter is used. Zig-zag wire should be of powder coated.
<b>18</b>	<b>Ventilation</b>	a. 40 mesh insect proof net for side ventilation.( UV stabilized) b. Top ventilation of 1.2 m height.
<b>19</b>	<b>Irrigation/Fertigation</b>	Drip irrigation system with online laterals, disc filter and venture for fertigation.
<b>20</b>	<b>Drip irrigation system</b>	Inline pressure compensation drip line of 16mm, 0.4m, 2 lph, 16 rows with separate taps to open and close each line. ISI PVC pipes (at least 50mm) 6kg PSI.
<b>21</b>	<b>Misting/Fogging</b>	4 way foggers with anti-leak mechanism
<b>22</b>	<b>Side protection work</b>	Side protection of 1 foot height along the periphery of the structure (4 sides) using laterite stone.
<b>23</b>	<b>Complete structure is to be assembled with bolts, nuts, screws and washers of SS 202 grade</b>	

## Terms and Conditions

1. Tender form: Tenders should be submitted in the prescribed form which can be down loaded from the following web link in the internet [www.kau.in/tenders](http://www.kau.in/tenders).
2. Cost of tender forms

PARTICULARS	ORIGINAL(Rs)	DUPLICATE(Rs)
Supplies costing above Rs. 50,000/- to Rs. 10 Lakh	0.2% of the quoted amount rounded to the nearest multiple of Rs. 100/- subject to a minimum of Rs. 400/- and maximum of 1500+ Tax@ 5%.	50% of the cost of the original upper rounded to nearest multiple of 100+ Tax as applicable

3. The tender should be accompanied by an agreement in Kerala Stamp Paper worth Rs.200/- (Rupees Two hundred only) and format can be downloaded from the above website. Withdrawal of tenders after its acceptances or failure to supply the equipments or not according to the specification will entail cancellation of the tender.
4. EMD at 2% of the amount offered should be remitted along with the tender fee and tax amount mentioned above by separate 2 DDs drawn in favour of Professor and Head, Extension Training Center, Manjeswaram payable exclusively at SBI, Manjeswar. No other bank's DDs will be entertained. Firms who are exempted from the payment of EMD should furnish copy of currently valid certificated from store purchase departments, Govt of Kerala.
5. The sealed cover containing the tender documents should be super scribed as "Tender for Installation of Naturally Ventilated Poly House as per notice No. ETC/36/2018 dated 22.10.2019."
6. The item should be installed at site. The cost of items, tax and other charges should be separately stated. Period of firmness of the quoted rates/prices should be clearly stated in the offer.
7. Tenders will be received up to 3 pm on 11-11-2019. The tenders received late and without adequate documents will be rejected without any intimation. Tenders will be opened at 3.30 pm on 11-11-2019 in the presence of the tenderers who may be present at that time. If any Bandh /harthal /any unexpected holidays occurs on the date of opening of tender, the Tender will be opened on the next working day.
8. The successful tender should execute an agreement in Kerala Stamp paper worth Rs.200/- (Rupees Two hundred only) and furnish a security deposit of 5% for the installation of item offered in the form of term deposit/bank guarantee/demand draft drawn in favour of The Professor and Head, Extension Training Center, Manjeswar. The format of the agreement can be downloaded from the above website.
9. The item should be installed at the site specified within 45 days from the date of receipt of work order from this station.
10. Payment as per the invoice will be made only on completion of installation as per specifications mentioned in the Tender, wherever the installation is involved and necessary demonstration by

authorized service personnel. Tenderer is liable to replace the defective articles immediately on receipt of intimation. Payment will be made only in Indian Currency on fulfillment of the contract satisfactorily.

11. The EMD/Security Deposits furnished will be forfeited in case the contract is not fulfilled as per the terms and conditions mentioned in the tender notice and agreement.
12. The exact specifications, details of make, model, name of manufacturer, warranty details etc of items should be clearly stated. Copies of technical literature and illustrated brochures of the units quoted are to be included along with the offer. Details of maintenance service contract offered after expiry of normal warranty, spare parts availability and after sale service facilities available should be indicated.
13. Tenders insisting payment in advance either full or part for releasing the documents through bank are liable for rejection. Preference will be given to the articles having the ISI mark if all other conditions are satisfactory.
14. All other technical and commercial terms and conditions as per the code rules in force and applicable to Government tenders will be applicable in this case also.
15. The undersigned reserves the authority to accept or reject any or all of the offers for any particulars item without assigning any reason whatsoever. The decision of the undersigned in finalizing the tenders shall be final and binding.

**Professor and Head**