



# Government of Karnataka

(Department of Horticulture)

KARNATAKA STATE HORTICULTURE MISSION AGENCY (R.)



NO. MD/KSHMA/ED/ADH-2/07/2018-19

Office of the Mission Director

Lalbagh, Bengaluru

Date: 26-10-2018

## **Revised Registration of "Manufacturers / Suppliers for Construction / Erection of Forced Convection Solar Tunnel dryer for the year 2018-19"**

### **I) General Instructions:**

1. "Manufacturers / Suppliers for Solar Tunnel dryer" means a provider of all the specified components/materials along with installation of Solar Tunnel dryer in the farmers' field.
2. To ensure the quality of service provided to the farmers and effective implementation it is proposed to register eligible manufacturers / suppliers of Solar Tunnel dryer.
3. The Registration is for the supply and erection of complete Solar Tunnel dryer with forced convection as specified under approved designs and specifications to the farmers and not for the supply of individual components/materials.
4. The Registration with Department of Horticulture, Karnataka State is for a period of one year with annual renewal subject to complying with the post qualifying retention criteria.
5. Registration is a continuous process round the year.
6. The Registration will be subjected to conditions of guidelines issued by Government of India / Government of Karnataka / State Horticulture Mission from time to time.
7. The registration of agencies shall not confer any right on him either to be necessarily issued the award of work.

### **II) Eligibility Criteria:**

*i. Pre qualifying Criteria:*

- 1) Completely filled in application cum company profile in the prescribed Performa (**Annexure – 1**).
- 2) The non-**refundable** registration fee of Rs. 5,000/- (Rupees Five Thousand only) shall be paid in the form of demand draft only, issued in favour of “**Directorate of Horticulture, Govt. of Karnataka**” payable at **Lalbagh** along with application for Registration.
- 3) Copy of GST Registration certificate/s.
- 4) Copy of Registration certificate from the competent authority
- 5) The information furnished for Registration should be signed by the Manufacturers / Suppliers / Fabricators.
  - a) For the private and public Ltd company: Chairman / CEO / MD or the authorized Person / Director from the Board of Directors. (Copy of resolution passed by the board for this purpose shall be submitted **Annexure -2**).
  - b) For Partnership firm/company: One partner duly authorized (Copy of Authorization signed by all the partners shall be submitted **Annexure - 3**).
  - c) The above mentioned authorities (as stated in (a) and (b)) will have to submit MOU/Partnership deed.
  - d) Proprietorship firm / company: Proprietor.

*ii. Technical Qualifying Criteria:*

Having experience of minimum one year for installation and supply of Solar Tunnel Dryer which will be counted based on copies of orders / bills amounting to minimum of Rs. 5.00 lakhs per year.

**OR**

Having experience of minimum 2-3 years in Poly house fabrication with total turn over of Rs. 75.00 lakhs which will be counted based on certified copies from competent authority.

### III) Post Qualifying Performance Criteria:

- 1) A Deposit of Rs. 25,000/- (Rupee Twenty five thousand only) Bank Guarantee is to be submitted in the favour of “**Directorate of Horticulture, Govt. of Karnataka**” at the time of signing the agreement for Registration. (Annexure - 4)
- 2) The Agency Should report quarterly to the Department about the construction works completed.
- 3) The design of Solar Tunnel dryer for 100 kg & 1000 kg (Annexure - 5) must confirm to the models approved by Department of Horticulture, Government of Karnataka.
- 4) The Solar Tunnel dryer Manufacturers / Suppliers / Fabricators must use all the components required for the installation of Solar Tunnel dryer confirming to the relevant standards and specifications.
- 5) The Manufacturers / Suppliers / Fabricators shall under take the responsibility / guarantee of different components of Solar Tunnel dryer supplied to the farmers.
- 6) The Manufacturers / Suppliers / Fabricators shall undertake to provide guaranty / warranty as below.
  - a) **Structure: Three years** warranty (i.e. repairs) against natural wear and tear (excluding the natural calamities, vandalism and any other forced action) The decision of Directorate of Horticulture, Govt. Of Karnataka shall be final in this regard.
  - b) **Cladding material (HDPE-UV-200 micron) :** 3 years warranty against manufacturing defects on pro-rata basis. (Excluding the natural calamities, vandalism and any other forced action).
8. The Manufacturers / Suppliers / Fabricators must undertake to supply the components at the rates equal to (or) less than the rates given as per the **department approved rates** and/or the rates per unit area of Solar Tunnel dryer in any case should not be higher than those prescribed by the department. The rates are fixed till March-2019.

**Quantity of material required:**

<b>Sl. No.</b>	<b>Component</b>	<b>Annexure</b>
1	Solar Tunnel dryer for 100 kg	Annexure V
2	Solar Tunnel dryer for 1000 kg	

9. If Manufacturers / Suppliers / Fabricators do not follow the rules and regulations mentioned in the Registration document then the entire Deposit amount will be forfeited and black listing of such Manufacturers / Suppliers / Fabricators.
10. The Manufacturers / Suppliers / Fabricators have to abide by the inspection report of the Department and shall abide by its recommendations. Pre-installation physical verification of material at the time of supply of material and post installation physical verification after installation will be carried out by the concerned beneficiary or local Horticulture Officer.
11. The Manufacturers / Suppliers / Fabricators shall provide detailed operational and maintenance manuals, parts catalogue (in the local language) at the time of supply of the material to the beneficiary.
12. The acknowledgement (proof of delivery) along with photograph and other required documents for the material delivered and erection of structure should be signed by the beneficiary and countersigned by the concerned field level Horticulture Officer of concerned District.
13. The Manufacturers / Suppliers / Fabricators should have established service centre and fabrication centre.

**IV) Disputes:**

- 1) Director, Horticulture Department, Karnataka State, reserves the right to reject the Registration without assigning any reason for disqualification and the decision of Director of Horticulture, Govt. of Karnataka, shall be final in this regard.
- 2) In case of any disputes between farmer and the Manufacturers / Suppliers / Fabricators regarding Solar Tunnel dryer related matters after verification by the designated committee & satisfaction of the farmer and Manufacturers / Suppliers / Fabricators with the verification report, the Manufacturers / Suppliers / Fabricators only be responsible for legal matters in this regard and Department will not be part of any legal proceedings.

# Annexure – 1

## Application – cum Company Profile for Registration for Solar Tunnel Dryer construction for the year 2018-19

1	<i>Name of the Company for Manufacture /Supplier</i>				
2	<i>Date of commencement of construction / supply</i>				
3	<i>Address of Registered Head Office</i>				
4	<i>Type of Organization</i>				
5	<i>Details of competent authority company:</i>  <i>a) Details of Chairman/ CEO/MD or the authorized Person / Director from the Board of Directors for the private and public ltd.</i>  <i>b) Details of all the partner for Partnership firm / company</i>  <i>c) Details of Proprietor for Proprietorship firm / company (use separate sheet if required)</i>		<b>Name</b>	<b>Designation (such as Chairman/ CEO/MD Director/Partner / Proprietor)</b>	<b>Mobile No.</b>
		1			
		2			
		3			
		4			
6	<i>SSI Registration No. &amp; Date of issue</i>				
7	<i>GST Registration</i>				
8	<i>Service Tax Registration No.</i>				
9	<i>PAN Number</i>				

10	<i>Website address / e-mail information</i>	
11	<i>List of the districts for which registration is required</i>	
12	<b><i>Components for which registration is required</i></b>	
	a) Solar Tunnel dryer for 100 kg	<i>Yes / No</i>
	b) Solar Tunnel dryer for 1000 kg	<i>Yes / No</i>
13	<i>Information on R&amp;D facilities available with the company. Provide details about</i>	
	<i>a) Research Activities</i>	
	<i>b) Development activities including</i>  <i>i) Farmer's Training</i> <i>ii) Seminars</i> <i>iii) Visit of farmers</i>	

## **Certificate and Undertaking**

Certified that the above said information is true and correct and undersigned is aware that in case of any discrepancy false information, the registration is liable to be cancelled and a suitable legal action will be taken against the company. Undersigned also agrees to execute guarantee and warranty of products and materials supplied to the cultivators, as mentioned in Registration document.

Undersigned shall execute an agreement with **Director of Horticulture**, Karnataka State, within 15 days of registration for the year 2018-19, failing which the registration will stand terminated without any notice.

I / We also undertake to supply the materials as per specifications provided by Horticulture Department, Government of Karnataka. We maintain the batch wise record of all the component/items of Solar Tunnel dryer along with the details such as make, batch no./lot no. and mention in supply bill so that traceability of material supplied to any farmer will be possible.

The all Terms and Conditions are applicable.

**Place :**

**Date :**

**Signature of Competent Authority :**

**Name / Designation (with seal) :**

**Annexure - 2****Board Resolution (Suggested format)**

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED AT THE MEETING  
 OF THE BOARD OF DIRECTORS OF (Company Name)  
 \_\_\_\_\_ HELD ON (Date) \_\_\_\_\_  
 AT (Address) \_\_\_\_\_

**RESOLVED THAT** the company has decided to authorize, Mr./Ms  
 \_\_\_\_\_ and is hereby authorized to sign and submit all the  
 necessary papers, letters, forms, etc to be submitted by the company in connection  
 with "authorizing any of the personnel of the company (applicant) to submit  
 application for registration of poly house / shade net house construction agencies.  
 The acts done and documents shall be binding on the company, until the same is  
 withdrawn by giving written notice thereof.

**Specimen Signatures of Authorized Signatory:**

(Signature)

**RESOLVED FURTHER THAT**, a copy of the above resolution duly certified as  
 true by designated director/authorized signatory of the company by furnished to the  
 Department of Horticulture and such other parties as may be required from time to  
 time in connection with the above matter.

For the organization,

(Seal and Signature)

Name: \_\_\_\_\_

Designation: \_\_\_\_\_



**Annexure – 3**

**Partnership Authorization**

We hereby certify that we are the partners owning the entire interest in the partnership doing business as M/s. \_\_\_\_\_ in the State of \_\_\_\_\_ and that we authorize and direct Mr. \_\_\_\_\_ a partner or partners in said partnership, to represent us and to execute on our behalf, sign and submit all the necessary papers, letters, forms etc., to be submitted by the firm in connection with authorizing any of the personnel of the firm (applicant) to submit application for registration of poly house / shade net house construction Agencies. The acts done and documents shall be binding on the firm, until the same is withdrawn by giving written notice thereof.

This authorization shall remain in full force and effect until written notice of rescission or modification thereof.

Yours truly,

Seal and Signatures of partners M/s. \_\_\_\_\_

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

**Annexure – 4**

**Agreement**

**For the Agencies Registered to construct Solar Tunnel Dryer in farmers field  
for the purpose of providing subsidy to the farmers under the scheme by  
Department of Horticulture**

This Agreement has been entered into as per the conditions detailed in the notification of registration document vide No: MD/KSHMA/ED/ADH-2/07/ 2018-19, Dtd : ----- .

This Agreement is made on the \_\_\_\_\_ day of the month of \_\_\_\_\_ of the year 2018 and valid up to \_\_\_\_\_

**Between**

The **Government of Karnataka**, represented by the **Executive Director, Karnataka State Horticulture Mission Agency (KSHMA)** of having its office at **Lalbagh, Bangalore**, herein after referred to as the "**State**" (which expression shall unless repugnant to the content and meaning thereof, be deemed to include its successors and permitted assignees), becomes the "**First Party**" or the registered Authority.

**And**

M/s. \_\_\_\_\_ represented by Proprietor / CEO/MD having its office \_\_\_\_\_, herein after referred to as the "**Second Party**" or the registered Agency (which expression shall unless repugnant to the context and meaning thereof be deemed to include their successors and permitted assignees).

Whereas, the **Director of Horticulture** has registered the **Second Party** vide certificate No: MD/KSHMA/ED/ADH-2/07/2018-19, Dtd : ----- to construct Solar Tunnel Dryer of farmers' choice in their field to avail subsidy from the Department of Horticulture under the scheme:

Whereas, the **Second Party / Registered Agency** is willing to abide by the following Terms & Conditions.

**Terms & Conditions:**

- 1) The **Second Party (Registered Agency)** hereby agrees to abide by all the conditions stipulated in the Registration Notification and Document No: MD/KSHMA/ED/ADH-2/07/2018-19, Dtd : ----- and Certificate of Registration No: -----, Dtd : ----- issued by the Department of Horticulture which form a part of this Agreement.
- 2) The Second Party (Registered Agency) shall ensure that they will not indulge in any of the violations of the agreement and the conditions stipulated in the Registration document No: MD/KSHMA/ED/ADH-2/07/2018-19, Dtd : ----- and also ensure regarding non-indulgement, either directly or indirectly, in any acts/activities harming the interest of Government or farmers.
- 3) The design of Solar Tunnel dryer must confirm to the models approved by Department of Horticulture, Government of Karnataka.
- 4) The Solar Tunnel dryer Manufacturers / Suppliers / Fabricators must use all the components required for the installation of Solar Tunnel dryer confirming to the relevant standards and specifications.
- 5) The manufacturers/suppliers shall under take the responsibility/guarantee of different components of Solar Tunnel dryer supplied to the farmers.
- 6) The Manufacturers / Suppliers / Fabricators shall undertake to provide guaranty/ warranty as below.
  - a) **Structure: Three years** warranty (i.e. repairs) against natural wear and tear (excluding the natural calamities, vandalism and any other forced action) The decision of Directorate of Horticulture, Govt. Of Karnataka shall be final in this regard.
  - b) **Cladding material (HDPE-UV-200 micron) :** 3 years warranty against manufacturing defects on pro-rata basis. (Excluding the natural calamities, vandalism and any other forced action).

7. The Agency Should report quarterly to the Department about the construction works completed.
8. The Manufacturers / Suppliers / Fabricators must undertake to supply the components at the rates equal to (or) less than the rates given as per the **department approved rates** and/or the rates per unit area of Solar Tunnel dryer in any case should not be higher than those prescribed by the department. The rates are fixed till March-2019.
9. If Manufacturers / Suppliers / Fabricators do not follow the rules and regulations mentioned in the registration document, then the entire Deposit amount will be forfeited and black listing of such Manufacturers / Suppliers / Fabricators.
10. The Manufacturers / Suppliers / Fabricators have to abide by the inspection report of the Department and shall abide by its recommendations. Pre-installation physical verification of material at the time of supply of material and post installation physical verification after installation will be carried out by concerned farmer and local Horticulture Officer.
11. The Manufacturers / Suppliers / Fabricators shall provide detailed operational and maintenance manuals, parts catalogue (in the local language) at the time of supply of the material to the beneficiary.
12. The acknowledgement (proof of delivery) along with photograph and other required documents for the material delivered and erection of structure should be signed by the beneficiary and countersigned by the concerned field level Horticulture officer of concerned District.

### **Disputes:**

1. Director, Horticulture Department, Karnataka State, reserves the right to reject the Registration without assigning any reason for disqualification and the decision of Director of Horticulture, Govt. of Karnataka, shall be final in this regard.

2. In case of any disputes between farmer and the Manufacturers / Suppliers / Fabricators regarding Solar Tunnel dryer related matters after verification by the designated committee & satisfaction of the farmer and Manufacturers / Suppliers / Fabricators with the verification report, the Manufacturers / Suppliers / Fabricators only be responsible for legal matters in this regard and Department will not be part of any legal proceedings.

In case of violation of any of these conditions, the Registered Agency will be liable for legal action and blacklisting by the Director of Horticulture.

**Executive Director**

KSHMA, Lalbagh, Bangalore-04

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**Registered Agency**

M/s.

**Witness:**

**Witness:**

**Annexure – 5****Technical specification and estimate of Solar Tunnel Dryer (100 kg capacity)****Size of the Dryer (Length=1.2 m; Width=0.75 m ; Height=2.0 m)**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Size</b>	<b>No.</b>	<b>Qty</b>	<b>Rate (Rs.)</b>	<b>Total (Rs.)</b>
1	Square MS pipe	32 x 32 x 3 mm	38 m	70.0 kg	65.0 /kg	4550
2	Square MS Pipe	25 x 25 x 3 mm	24 m	40.0 kg	65.0 /kg	2600
3	Polycarbonate	2 mm thick	10 m <sup>2</sup>		800/m <sup>2</sup>	8000
4	MS flat	(25 x 3 mm)	-	20 kg	65.0/kg	1300
5	Turbo Ventilators	200 mm dia	01	-	2500	2500
6	Trays (G.I)	0.6 x 0.6 x 0.05 m	10	-	500	5000
7	Electric panel board with, digital temp controller, on and off switches, contactors, thermocouples (1No.)	150 x 150 mm	01	-	6000	6000
8	Exhaust fan	150 mm dia with 0.125 kW	01	-	2500	2500
9	Blow hot air heater (with variable temperature adjustment)	2000 watts	01	-	2500	2500
					<b>Total</b>	<b>34,950</b>
	Fabrication charges – 20 %					<b>6990</b>
	Installation charges – 10 %					<b>3500</b>
	Transportation charges					<b>7500</b>
	Wastage – 5 %					<b>1750</b>
	Insurance – 2 %					<b>700</b>
					<b>Sub Total</b>	<b>55390</b>
					<b>Round off</b>	<b>55000</b>
	<b>Grand Total (+ Taxes as applicable )</b>					<b>55000</b>

### Technical specification and estimate of Solar Tunnel Dryer (1000 kg capacity)

Size of the Dryer (Length=15 m; Width=3.75 m ; Height=3.0 m)

Sl. No.	Particulars	Size	No.	Qty	Rate (Rs.)	Total (Rs.)
1	Concrete bed flat form (1:2:4)	17 x 5 x 0.15 m	01	12.75 m <sup>3</sup>	5406.87/ m <sup>3</sup>	68938
2	CC foundation for poles	0.45 x 0.45 x 0.45 m	26	2.37 m <sup>3</sup>	5406.87/ m <sup>3</sup>	12810
3	Foundation pipe (G.I) 42 mm dia and 3 mm thick	0.6 m	26	33.6 kg	65.43/kg	2198
4	Column pipe (G.I) 36 mm dia and 3 mm thick	1.2 m	26	56.16 kg	65.43/kg	3675
5	Door pipe (G.I) 36 mm dia and 3 mm thick	2.2 m	04	8.8 kg	65.43/kg	576
6	Arch pipes (G.I) 25 mm dia and 3 mm thick	6.0 m	11	106 kg	65.43/kg	6909
7	Cross bar pipes (G.I) 25 mm dia and 3 mm thick	18.0 m	-	28.8 kg	65.43/kg	1884
8	Supporting MS angle between column pipes	(25 x 25 x 6 mm) 130 m	-	260 kg	65.0/kg	16900
9	MS angle frame for turbo ventilators	(37.5 x 37.5 x 6 m) 18 m	-	63.0 kg	65.0/kg	4095
10	MS flat for fixing turbo ventilators	(50 x 6 mm) 18 m	-	36 kg	65/kg	2340
11	HDPE-UV/ sheet	200 micron	-	180 m <sup>2</sup>	50.74 /m <sup>2</sup>	9133
12	Shade net	75 % shade	-	180 m <sup>2</sup>	20.045/ m <sup>2</sup>	3608
13	Aluminium Profiles	-	-	150 m	24.45/m	3674
14	Zigzag spring	-	-	150 m	9.5/m	1425
15	Self drilling screws		1000	-	1.583	1583
16	Turbo Ventilators	450 mm dia	04	-	3750 each	15000
17	Doors (M.S)	2 x 1 m	02	-	2500 each	5000
18	Ventilators	1 x 0.3 m	02	-	1750 each	3500
19	Anti corrosive paint	-	-	10 lit	250/lit	2500
20	Blow hot air heater (with variable temperature adjustment)	2000 watts	04	-	2500 each	10000
21	Industrial exhaust fans (single phase, 250 watt and 1440 rpm)	300 mm	04	-	6000 each	24000

22	Electric panel board with cover, digital temp controller, on and off switches, MCB, contactors, J type thermocouples (2No.)	300 x 300 x 200 mm	01	-	10000	10000
23	Racks (MS square pipe)	25 x 25 x 3 mm	06	520 kg	65.0/kg	33800
		32 x 32 x 3 mm	36	216 kg	65.0/kg	14040
24	Trays (G.I)	1.0 x 1.0 x 0.1 m	96	-	1135 each	1,08,960
25	Solar power supply system (solar panel-1 kW, Inverter and battery for min 3.0 hours back up)	1 kilowatt	01	-	1,25,000	1,25,000
					<b>Total</b>	<b>4,91,548</b>
	Fabrication charges – 5 %					24,577
	Installation charges – 5 %					24,577
	Transportation charges					15,000
	Wastage – 2 %					9831
	Insurance – 1 %					4916
					<b>Sub Total</b>	<b>570449</b>
					<b>Rounded off</b>	<b>570000</b>
	<b>Grand Total (+ Taxes as applicable )</b>					<b>570000</b>

(Seal and Signatures)