

No. 165/FPIH-13099/4/2024

31<sup>st</sup> January 2024

**NOTIFICATION**

In order to encourage cultivation under protected structures such as polyhouses in hill districts (Darjeeling and Kalimpong) of the state, the Department of Food Processing Industries & Horticulture had introduced an innovative model namely "Naturally Ventilated Polyhouse (Bamboo) - Do it Yourself" kit [notification no. 1292/FPI & H dated 22<sup>nd</sup> February 2022] dovetailing the demand of farmers with extant MIDH norms for Naturally Ventilated Polyhouse (Bamboo).

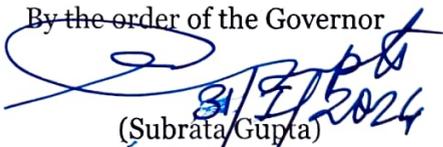
- 1) It is well known that cultivation in polyhouse result in improved productivity and quality and such technology should be made easily accessible to the state's horticulturists. This model provided appropriate support and technology inputs to horticulture farmers of the hill districts through distribution of Polyhouse kits (poly film, shade net, training and demonstration, drip irrigation set and other accessory materials required for construction) and handholding support for erection. This support has been extended for 100 sqm Naturally Ventilated Polyhouse (Bamboo) with the eligible subsidy component for Naturally Ventilated Polyhouse (Bamboo) under MIDH, i.e., Rs.22500/- [50 % of the project cost, i.e., Rs 225/- per sqm] in the form of the polyhouse components in the "DO IT YOURSELF" kits. The beneficiary's contribution came in the form of structural bamboos and labour for erection.
- 2) The model has gained huge popularity among the farmers of Darjeeling and Kalimpong districts and demand continues to pour in from these districts. Success of this scheme has also triggered demand among the farmers of the plains areas in other parts of West Bengal. The DHOs have also demanded extension of this scheme for other districts in view of interest among farmers to adopt plasticulture.
- 3) Livelihood support to horticulture farmers particularly flower and vegetable growers of plains areas through provision of critical inputs for Naturally Ventilated Polyhouse (Bamboo) for 200 sqm had been under active consideration of this department.
- 4) West Bengal State Food Processing & Horticulture Development Corporation Ltd. has prepared a design (enclosed as annexure) of Naturally Ventilated Polyhouse (Bamboo) of 200 sqm size along with a model estimate (enclosed as annexure). The design consists of a composite unit consisting of two subunits of size 100 sqm each.
- 5) Considering the above circumstances, the Governor is, now, pleased to extend the support of the innovative model of "Naturally Ventilated Polyhouse (Bamboo structures) - Do It Yourself" kit throughout the state combining MIDH norms with support under both MIDH and SDS in the following manner:

- a) The beneficiaries from plains areas may be supported with Polyhouse kits (poly film, shade net, drip irrigation set and other accessory materials required for construction) from the subsidy allotment for 200 sqm Naturally Ventilated Polyhouse (Bamboo) under SDS exclusively or MIDH with top-up from SDS, as required, valued at Rs. 75000/- [polyhouse components including irrigation as "DO IT YOURSELF" kit].
  - b) Beneficiary's contribution in the form of bamboo and labour cost for erecting the Naturally Ventilated Polyhouse (Bamboo) shall be treated as the beneficiary's contribution valued at Rs. 45,000/-.
  - c) Depending on the land available, a beneficiary may apply for one or more composite units of 200 sqm polyhouse.
  - d) If a beneficiary is desirous of constructing a single unit of size 200 sqm with a gutter, he may do so. However, he will not be entitled to any additional subsidy on account of this change in design. He would also be required to procure the additional components on his own.
  - e) The application procedure for this model shall be same as that for other MIDH schemes.
  - f) The names of beneficiaries along with Aadhaar Number, land holding, address, mobile number, etc. may be recommended by the District Administration.
  - g) DHO shall ensure that each such polyhouse is geotagged.
- 6) The model shall be funded from SDS exclusively or MIDH with top-up from SDS or any other source as considered necessary.

All concerned are being informed accordingly.

Enclosure: Design and estimate as annexure.

By the order of the Governor

  
(Subrata Gupta)

Additional Chief Secretary

to the Government of West Bengal

Department of Food Processing Industries & Horticulture

No. 165/1(10)FPIH-13099/4/2024

Date : 31<sup>st</sup> January 2024

Copy forwarded for kind information and necessary action:

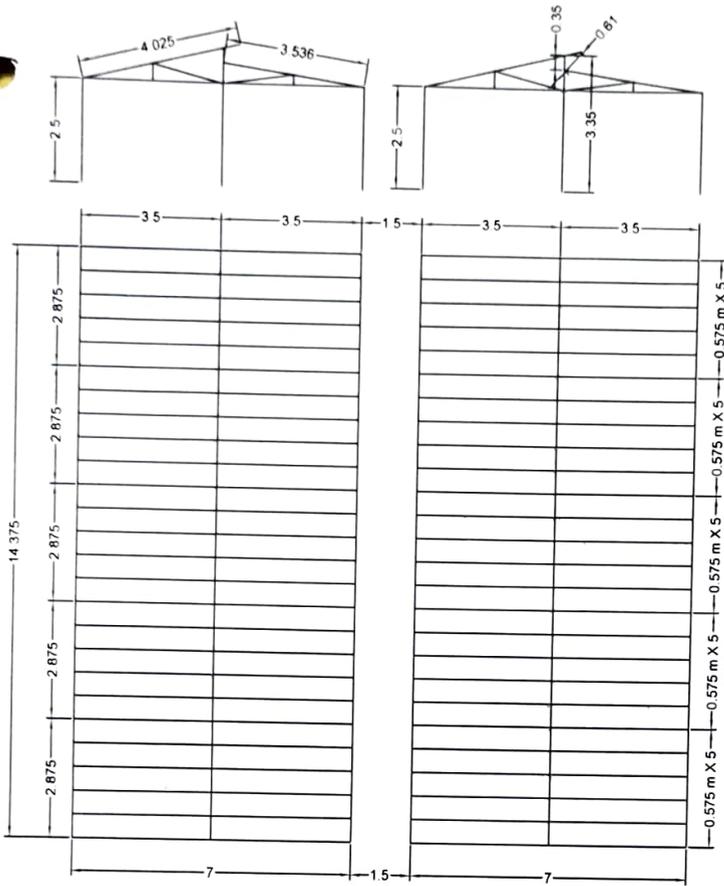
- 1) The Special Secretary, Department of FPI&H
- 2) The Additional Secretary, Department of FPI&H

- 3) The Joint Secretary, Department of FPI&H & Director-in-Charge, FP Directorate
- 4) The Joint Secretary (Law), Department of FPI&H
- 5) Managing Director, WBSFPHDCL
- 6) The OSD&EO Director (Admin), Directorate of Horticulture.
- 7) District Magistrate , All Districts
- 8) P.S. to the Hon'ble MIC – for kind information to Hon'ble MIC
- 9) District Horticulture Officer, All Districts
- 10) Director of Cinchona & Other Medicinal Plants.

  
31/1/2024  
(Subrata Gupta)

Additional Chief Secretary  
to the Government of West Bengal  
Department of Food Processing Industries & Horticulture

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*(Signature)* 24-01-2024

Assistant Engineer (W. B. S. F. P. & H. D. ...)  
 (A Govt. of W. B. Enterprises)  
 Benfish Tower  
 Salt Lake, Kolkata

**ALL DIMENSIONS ARE IN m**

<b>WEST BENGAL STATE FOOD          PROCESSING &amp; HORTICULTURE          DEVELOPMENT CORPORATION          LIMITED          (A GOVT. OF WEST BENGAL          UNDERTAKING)</b>		<b>SIGN</b>		<b>DATE</b>	
		DESIGNED BY	ASST. ENGG. (CIVIL), WBSFPDCL		
		DRAWN BY	ASST. ENGG. (CIVIL), WBSFPDCL		
		APPROVED BY	MANAGING DIRECTOR, WBSFPDCL		
SCALE 1:100	<b>TITLE: NATURALLY VENTILATED POLY          GREEN HOUSE (BAMBOO INCLINED          STRUCTURE) [AREA = 200 SQ. M.]</b>				
		<b>DRAWING NO. BPGH/200/01</b>			



**WEST BENGAL STATE FOOD PROCESSING & HORTICULTURE DEVELOPMENT CORPORATION LTD.**

**ESTIMATE FOR NATURALLY VENTILATED POLY GREEN HOUSE (BAMBOO STRUCTURE)**

TOTAL AREA OF POLY GREEN HOUSE = 2 X 100 SQ. M. = 200 SQ. M.

PART	SL. NO.	DESCRIPTION OF ITEM	NO.	LENGTH (m)	BREADTH (m)	QUANTITY	UNIT	RATE / UNIT	AMOUNT		
BAMBOO STRUCTURE	1	Bamboo Post (Small) - 3.00 m Size	12			12	Nos	₹ 174.00	₹ 2,088.00		
	2	Bamboo Post (Big) - 3.50 m Size	6			6	Nos	₹ 209.00	₹ 1,254.00		
	3	Bamboo Angle Tana - 7.00 m Size	3			6	Nos	₹ 399.00	₹ 2,394.00		
	4	Bamboo Presh Tana - 14.375 m Size	3			3	Nos	₹ 590.00	₹ 1,770.00		
	5	Bamboo Arch - 8.00 m Size	26			26	Nos.	₹ 269.00	₹ 6,994.00		
	6	Labour for installation of Bamboo Structure	1	14.250	7.000	100	Sq. M.	₹ 80.00	₹ 8,000.00		
Total for 100 Sq. M. Area (A) =									₹ 22,500.00		
Total for 200 Sq. M. Area (2 X A) =									₹ 45,000.00		
GREEN HOUSE COVERING INCLUDING IRRIGATION	7	<b>Cladding material (Poly film):</b> UV stabilized 200 micron 5 layers co-extruded anti drip/ mist, anti dust, diffused/ IR blocking (sulphur resistant for Rose) having minimum 85% level of light transmittance.									
		For Inclined Roof	2	15.000	4.500	135.000	Sq. M.				
		For Triangular Portion at Roof	2	7.500	1.300	19.500	Sq. M.				
		For Bottom Portion	1	45.000	0.750	33.750	Sq. M.				
		For Front & Side	1	45.000	2.400	108.000	Sq. M.				
	<b>Total =</b>								296.250 Sq. M.	₹ 70.00	₹ 20,737.50
	8	<b>Insect Proof Net:</b> 40 mesh (115 to 120gsm) nylon /shade insect proof nets (UV stabilized)									
		For Front & Side	1	45.000	2.200	99.000	Sq. M.				
	<b>Total =</b>								99.000 Sq. M.	₹ 56.00	₹ 5,544.00
	9	<b>Shadenet:</b> UV stabilized mono x mono 50 % (115 to 120 gsm) shading net has to be provided horizontally at gutter height, below the UV sheet - inside the greenhouse with manually operated mechanism for expanding and retracting. The area covered by shade net should be equal to the net cultivable area of green house without sagging.									
		Fixed Top	2	15.000	3.500	105.000	Sq. M.				
	<b>Total =</b>								105.000 Cu. M.	₹ 30.00	₹ 3,150.00
	10	<b>Drip kit:</b> Diameter 12 mm, Water Discharge 2 LPH, Class I, Operating Pressure 1 Kg / sq. cm, Area of Coverage 100 Sqm									
	10.1	Lateral Inline Drip 12 mm LLDPE Pipe, Water Discharge 2 LPH, Class I, IS 13488:2008	1	105.000			105.000	M.	₹ 12.00	₹ 1,260.00	
	10.2	Main line Pipe 32 mm HDPE Pipe, 32 mm, 6 kgf/sq cm, IS 4984:1995	1	9.000			9.000	M.	₹ 34.00	₹ 306.00	
	10.3	Techpic 32 mm, 6 kgf/sq cm	1				1.000	Nos.	₹ 75.00	₹ 75.00	
	10.4	End Cap 32 mm, 6 kgf/sq cm	1				1.000	Nos.	₹ 35.00	₹ 35.00	
	10.5	Takeoff 12 mm	7				7.000	Nos.	₹ 5.00	₹ 35.00	
	10.6	Grommet 12 mm	7				7.000	Nos.	₹ 5.50	₹ 38.50	
10.7	Valve 32 mm	1				1.000	Nos.	₹ 36.00	₹ 36.00		
10.8	Plastic Screen Filter 3/4"	1				1.000	Nos.	₹ 379.00	₹ 379.00		
10.9	End Cap 12 mm	7				7.000	Nos.	₹ 3.00	₹ 21.00		
<b>Total =</b>									₹ 2,185.50		
11	<b>Fixture &amp; Fitting:</b>										
11.1	Nail 3" Size	1.5				1.500	kg	₹ 80.00	₹ 120.00		
11.2	Nail 4" Size	1.5				1.500	kg	₹ 80.00	₹ 120.00		
11.3	Nail 5" Size	2				2.000	kg	₹ 80.00	₹ 160.00		
11.4	GI Wire 14 Gauge	5				5.000	kg	₹ 120.00	₹ 600.00		
11.5	GI Channel	1	100.000			100.000	M.	₹ 30.00	₹ 3,000.00		
11.6	Zig Zag Spring	1	125.000			125.000	M.	₹ 12.00	₹ 1,500.00		
11.7	Celling Ring	50				50.000	Nos.	₹ 2.00	₹ 100.00		
11.8	Pully 2.5" to 3" dia.	6				6.000	Nos.	₹ 38.00	₹ 228.00		
11.9	Green Yarn	1	55.000			55.000	M.	₹ 1.00	₹ 55.00		
<b>Total =</b>									₹ 5,883.00		
Total for 100 Sq. M. Area (B) =									₹ 37,500.00		
Total for 200 Sq. M. Area (2 X B) =									₹ 75,000.00		
<b>GRAND TOTAL (Bamboo Structure + Green House Covering Including Irrigation) =</b>									<b>₹ 1,20,000.00</b>		
<b>TOTAL (IN WORDS) : Rupees One Lakh Twenty Thousand Only</b>											

The Rates are taken from the lowest quoted rate in the comparative statement prepared by collecting three nos. of quotations, since the rates of these items are not present in the PWD schedule (W.E.F 01.11.2017)

  
 Assistant Engineer (Civil)  
 W. B. S. F. P. & H. D. C. L.  
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