



**HIMACHAL PRADESH HORTICULTURAL PRODUCE
MARKETING AND PROCESSING CORPORATION LTD
(A Government Undertaking)
NIGAM VIHAR SHIMLA-171002 H.P.**

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Reference No HPMC/Mktg/ Cartons/ Trays/2020-21-

**e-Tender Notice for the purchase of Telescopic Corrugated Fibre Board (CFB)
Cartons, Separators, Trays and other allied items from Manufacturers/ their
Authorised Dealer/Suppliers/Distributors for the year 2022-23.**

Online offers are invited for the purchase of Telescopic Corrugated Fibre Board (CFB) Cartons, Separators, Trays and other allied items for the packing of Apples from the reputed manufactures, their authorised Dealer/Suppliers/Distributors at hpmc, Head Office, Nigam Vihar Shimla-2 for the year 2022-23. The last date for online receipt of e-tender is 16th June, 2022 up to 1.00 PM. The online bid will be opened on the same day in the presence of parties who have offered their rates or their authorised representatives at 3.00 PM. The bid document details and terms and conditions for the supply of packing material are available online on the Government website i.e. <https://hptenders.gov.in>. or can be obtained from the office of HPMC on any working day between 10:00 AM to 5:00 PM. The bid document is also available on our website <https://hpmc.in> for publicity purpose. To facilitate the bidders Pre Bid Meeting will be held with interested parties on 08-06-2022 at 11.00 A.M. i.e. prior to opening of financial bids scheduled on 16th June, 2022. The issues if any required to be addressed should be submitted in writing 3 days prior to holding of pre bid meeting. The interested manufacturer/supplier/bidders are required to register on the website which is free of cost. For submission of bids the bidder is required to have Digital Signature Certificate (DSC) from one of the certifying authority. HPMC reserves the right to accept or reject any or all bids at any stage without assigning any reasons.


Managing Director

E-TENDER NOTICE FOR THE PURCHASE OF Telescopic Corrugated Fibre Board (CFB) Cartons, Separators, Trays and other allied items from Manufacturers/ their Authorised Suppliers/Distributors for the Apples Season 2022.

Critical Dates for Submission of offers

Publishing Date*	:	27-05-2022, 5.00 PM
Document Download / Sale Start Date*	:	30-05-2022, 3.00 PM
Submission Start Date*	:	30-05-2022, 3.00 PM
Pre Bid Meeting Date	;	08-06-2022, 11.00 A.M.
Submission Closing Date*	:	16-06.2022, 1.00 PM
Bid Opening Date*	:	16-06.2022, 3.00 PM

Fee Details

Earnest Money Deposit (EMD)* : Rs. 1, 00,000/- (Bank Draft/NEFT/RTGs) refundable.

Tender Document Fee : Rs 1,180/- (Bank Draft) Non Refundable

Note: The hard copies of EMD and Tender Document fees as uploaded on the website should reach at hpmc Head Office Nigam Vihar Shimla0-171002 on or before 16-06-2022 till 1.00 PM.

Tenders are to be submitted only through e-procurement platform at <https://hptenders.gov.in>.only. Tenders submitted in any other form will not be accepted.

Two Covers:

Cover 1: (Technical Specification)

Fee/EMD Fee/Technical Specification

The Technical Specification cover shall contain meeting all the specifications of CFB Cartons, trays, separator to be supplied fulfilling conditions specified in general terms and condition of the Bid document along with list of documents required below. Bidders should submit their tender online at the Government website <https://hptenders.gov.in> with scanned copy of Demand Draft/ proof of NEFT/ RTGS towards the cost of Tender Fee & earnest money. Bidders will submit hard copies/ proof of the deposit of their Earnest Money Deposit (EMD) of Rs.1,00,000/- (Rupees One Lakh only) & Tender Fee of Rs 1,180/- (Rs One Thousand One Hundred Eighty only) by way of Demand Draft/ NEFT/ RTGS drawn in favour of “The Managing Director, HPMC Ltd. Nigam Vihar Shimla-2 through post or submitting personally up to 1.00 P.M on or before 16th June, 2022. The Earnest Money Deposit is non-interest bearing and will be returned to the bidders one year after completing the supplies successfully. The Tenders submitted without proof of EMD & Tender Document Fee will be rejected.

Important Note: The EMD & Tender Fee deposited in the form of Demand Draft/NEFT/ RTGS in original shall be submitted personally or by post in sealed envelope super subscribing “Tender Fee and EMD, whereas the proof of EMD & Tender Fee deposited through Demand Draft/NEFT/ RTGS should also be submitted through same mode i.e. personally or by post in favour of Managing Director, HPMC Ltd. Nigam Vihar Shimla-171002 latest by 1:00 P.M. on or before 16-06-2022. The Tender Fee/EMD received after the due date and time will not be entertained and will be summarily rejected. The Companies Registered under MSME should have to upload the copy of the same in Technical Bid cover and the hard copy of the same should be deposited by post or personally along-with hard copies/ proof of deposit of EMD & Tender Fee.

List of Documents to be uploaded online:

The following documents duly self-attested should be uploaded by the bidders in the PDF files in the in the same order as mentioned below, on the e-Tendering website during Online Bid Preparation stage.

S. No	List of Documents/ Technical Specifications.
1	Income tax clearance certificate for the assessment year 2019-20, 2020-21 & 2021-22 along with proof in shape P&L Account showing minimum turnover of one crore per year of the items being offered in the tender.
2	GST clearance certificate.
3	Documents supporting that they are the Manufacturer/ Authorised Dealer/Suppliers/ Distributor (from the manufacturer).
4	Copy of GST Number and PAN No.
5	The bidder can upload the rates only for the items which they are manufacturing/ distributing/ authorised and interested to supply in the bid.

6	The Carton should be made with manufacturing skill as detailed in ISI-2771 (Part-II)-1977.
7	The bursting Strength of Carton (Two Pieces inner as well as outer) should be 18 Kg/ $CM^2 \pm 2$.
8	The Compression strength of carton (Empty Box) complete should be minimum 450 Kg/ $CM^2 \pm 5$.
9	The Moisture content in the carton should not be less than 8% and more than 10%.
10	The Board used in manufacture of carton both inner & outer should have the cob value of less than 120 Gsm/Sq Mtrs per 30 minutes as per IS-4006(part-I) 1966.
11	The tare weight of the carton should be between 950-1000 Gram (both inner + outer)
12	Copy of MSME certificate if registered with the authority.++
13	The bidders should clearly mention their manufacturing/ supply capacity of packing material.
14	The bidders may inform whether their supply/manufacturing plant is fully Automatic, Semi-Automatic or both, with manufacturing/supply capacity of each plant.
15	Bidders should submit hard copies of the deposit of EMD, Tender fee of Demand Draft/NEFT/RTGs up to 1:00 PM on or before 30.05.2022.
16	HPMC reserves the right to purchase packaging material on L1 rates from all other participating bidders if L1 Party fails to supply ordered quantity of packaging material or the demand exceeds to the manufacturing/supply capacity of L1 for which L1 shall have no objection .

Cover 2: Financial Bid

THE FINANCIAL BID (BOQ) SHALL CONTAIN THE FOLLOWING:

The financial BID cover shall contain only price per piece for Carton, per bundle in case of Trays, Separators of 100 No each and allied material + GST extra FOR anywhere in Himachal Pradesh. The interested Parties shall quote the rates in the financial bid format (BOQ) only. Any discrepancy in this regard will cause the rejection of bid. The Financial format (BOQ) shall contain the following:-

1. The rates should be quoted for per piece/Bundle. The rates for each item should be independent of other items.
1. The Tender offer form (BOQ) – Basic price, GST for each item shall be entered by the tenderer in the prescribed column of the tender sheet.
2. The bid shall contain only the price list. Any discrepancy in this regard will cause the rejection of bid.
4. The rates quoted should be FOR in Himachal Pradesh.
5. The price of items quoted if found lesser than the quoted price in the open market, will attract blacklisting of firm/Supplier/distributor for future supplies to HPMC.

BOQ: - Supply of Cartons, Separators, Trays and other allied items for packing of Apples during-2022-23.

Format 1:-

Name of the unit/Plant (For Cartons)	
Whether fully Automatic , Semi-Automatic or Both	Fully Automatic , Semi-Automatic or Both (Please Tick)
Full Capacity of unit/Plant	
Per month capacity	
Quantity offered to HPMC for sale	

(Rates to be offered by the Manufacturers/ their Authorised Distributors/supplier having Automatic Plant)Format no.1					
S.No.	Item Description	Quantity for the rates to be offered (Unit)	Rate Per carton	GST	Total
1	<u>Cartons Item:-</u>				
1.01	Telescopic tray packed Carton (3+3) Ply, White Colour both Inner & Outer * (double virgin), 20 Kg capacity. Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 280) and inner dimension (in mm) of inside (L 500 X B 300 X H 280)	1 no.			
1.02	Telescopic tray packed Carton (3+3) Ply, Outer White & Inner Brown Colour ** (single virgin), 20 Kg capacity. Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 280) and inner dimension (in mm) of inside (L 500 X B 300 X H 280)	1 no.			
1.03	Telescopic Carton (3+3) Ply, Brown Colour, 20 Kg capacity. Double Virgin *** Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 280) and inner dimension (in mm) of inside (L 500 X B 300 X H 280)	1 no.			

1.04	Telescopic Carton (3+3) Ply, Brown Colour, Size 20 Kg capacity. Single Virgin**** Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 280) and inner dimension (in mm) of inside (L 500 X B 300 X H 280)	1 no.			
1.05	Telescopic Carton (3+3) Ply, Brown Colour, 20 Kg capacity. Semi Kraft paper***** Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 280) and inner dimension (in mm) of inside (L 500 X B 300 X H 280)	1 no.			
1.06	Telescopic Carton (3+3) Ply, White Colour both Inner & Outer, 10 Kg. capacity Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 160) and inner dimension (in mm) of inside (L 500 X B 300 X H 160)	1 no.			
1.07	Telescopic Carton (3+3) Ply, Outer White Colour & Inner Brown Colour, 10 Kg capacity. Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 160) and inner dimension (in mm) of inside (L 500 X B 300 X H 160)	1 no.			
1.08	Telescopic Carton (3+3) Ply, Brown Colour , 10 Kg capacity. (Single Virgin)Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 160) and inner dimension (in mm) of inside (L 500 X B 300 X H 160)	1 no.			
1.09	Telescopic Carton (3+3) Ply, Brown Colour, 10 Kg capacity. Double Virgin Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 160) and inner dimension (in mm) of inside (L 500 X B 300 X H 160)	1 no.			

(Rates to be offered by the Manufacturers/ their Authorised Distributors having **Semi-Automatic Plant) Format no.2**

	Name of the unit/Plant	
	Whether Semi-Automatic	Semi-Automatic
	Full Capacity of unit/Plant	
	Per month capacity	
	Quantity offered to HPMC for sale	

(Rates to be offered by the Manufacturers/ their Authorised Distributors having **Semi-Automatic Plant) Format no.2**

S.No.	Item Description	Quantity for the rates to be offered (Unit)	Rate Per carton	GST	Total
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2.01	Telescopic tray packed Carton (3+3) Ply, White Colour both Inner & Outer * (double virgin), 20 Kg capacity. Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 280) and inner dimension (in mm) of inside (L 500 X B 300 X H 280)	1 no.			
2.02	Telescopic tray packed Carton (3+3) Ply, Outer White & Inner Brown Colour ** (single virgin), 20 Kg capacity. Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 280) and inner dimension (in mm) of inside (L 500 X B 300 X H 280)	1 no.			
2.03	Telescopic Carton (3+3) Ply, Brown Colour, 20 Kg capacity. Double Virgin *** Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 280) and inner dimension (in mm) of inside (L 500 X B 300 X H 280)	1 no.			
2.04	Telescopic Carton (3+3) Ply, Brown Colour, Size 20 Kg capacity. Single Virgin **** Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 280) and inner dimension (in mm) of inside (L 500 X B 300 X H 280)	1 no.			
2.05	Telescopic Carton (3+3) Ply, Brown Colour, 20 Kg capacity. Semi Kraft paper ***** Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 280) and inner dimension (in mm) of inside (L 500 X B 300 X H 280)	1 no.			
2.06	Telescopic Carton (3+3) Ply, White Colour both Inner & Outer, 10 Kg. capacity Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 160) and inner dimension (in mm) of inside (L 500 X B 300 X H 160)	1 no.			
2.07	Telescopic Carton (3+3) Ply, Outer White Colour & Inner Brown Colour, 10 Kg capacity. Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 160) and inner dimension (in mm) of inside (L 500 X B 300 X H 160)	1 no.			
2.08	Telescopic Carton (3+3) Ply, Brown Colour , 10 Kg capacity. (Single Virgin)Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 160) and inner dimension (in mm) of inside (L 500 X B 300 X H 160)	1 no.			
2.09	Telescopic Carton (3+3) Ply, Brown Colour, 10 Kg capacity. Double Virgin Size:- inside dimension (in mm) of outer side (L 504 X B 303 X H 160) and inner dimension (in mm) of inside (L 500 X B 300 X H 160)	1 no.			
3	<u>Trays Items :</u>				
	Name of the unit/Plant				
	Whether fully Automatic , Semi-Automatic or Both		Fully Automatic , Semi-Automatic or Both (please tick)		

	Capacity of unit/Plant 1. Automatic = _____ 2. Semi-Automatic = _____ Total	Total capacity 1. Automatic = _____ 2. Semi-Automatic = _____ Total
	Per month capacity 1. Automatic = _____ 2. Semi-Automatic = _____ Total	Per month capacity 1. Automatic = _____ 2. Semi-Automatic = _____ Total
	Quantity offered to HPMC for sale 1. Automatic = _____ 2. Semi-Automatic = _____ Total	Total quantity offered 1. Automatic = _____ 2. Semi-Automatic = _____ Total

(Rates to be offered by the Manufacturers/ their Authorised Distributors having **Automatic and Semi-Automatic Plant**)
Format no.2

S.No.	Item Description	Quantity for the rates to be offered (Unit)	Rate for 100 pieces of trays bundle	GST	Total
3.01	Manufactured at Automatic Plant per Bundle of 100 Trays Size:- dimension (in mm) of outer side (L 500 X B 300) Note:- (Rate should be quoted per bundle of 100 Trays)	1 no. bundle of 100 Pieces			
3.02	Manufactured at Semi-Automatic Plant per Bundle of 100 Trays Size:- dimension (in mm) of outer side (L 500 X B 300) Note:- (Rate should be quoted per bundle of 100 Trays)	1 no. bundle of 100 Pieces			
4	<u>Separator Items :</u>				
S.No.	Item Description	Quantity for the rates to be offered (Unit)	Rate for 100 pieces bundle of separator	GST	Total
4.01	3 Ply Size:-(L 500 X B 300) (in mm) 8 Kg. per 100 Pcs Bundle Note:- (Rate should be quoted per bundle of 100 Sheets)	1 no. bundle of 100			

		Pieces			
4.02	3 Ply Size:-(L 500 X B 300) (in mm) 9 Kg. per 100 Pcs Bundle Note:- (Rate should be quoted per bundle of 100 Sheets)	1 no. bundle of 100 Pieces			
4.03	3 Ply Size:-(L 500 X B 300) (in mm) 10 Kg. per 100 Pcs Bundle Note:- (Rate should be quoted per bundle of 100 Sheets)	1 no. bundle of 100 Pieces			
5	<u>Strapping Machine, Strapping Roles & Adhesive Tape</u>				
5.1	Strapping Machine with accessories & ISI Make	1 no. (per unit rate)	per unit rate Rs._____		
5.2	Strapping Rolls with make	1 no. (per Kg rate)	per Kg rate Rs._____		
5.3	Adhesive Tape 2' & 3' (length _____ per roll)	1 no.	Rate Per roll of _____ Meter Rs._____		
5.4	Seal	(per Kg rate)	per Kg rate Rs._____		

Note:

- (1) *In case of White + White the outer walls should be Virgin Kraft & Inner walls should be of Kraft Paper with media paper used for corrugation.
- (2) **In case of white carton where outer is white & inner is brown the outer walls should be of Virgin Kraft Paper & inner walls should be of Kraft Paper with Media Paper used for corrugation.
- (3) ***Double Version in case of brown carton means all the 4 walls of both the pieces of telescopic apple carton should be of Virgin Kraft Paper with Media paper used for corrugation.
- (4) ****Single Virgin in case of brown carton means that outer walls of both the Outer & inner of apple Carton should be of virgin Kraft Paper & inner walls should be of Kraft Paper with Media Paper used for corrugation.
- (5) *****Semi kraft paper means both inner and outer walls of carton should be in semi kraft with media paper used for corrugation.
- (6) **The rates of Manufacturers/ their Authorised Dealers having automatic plant will quote their rates in Format No 1 whereas the Manufacturers/ their Authorised Dealers having Semi- Automatic Plant will quote their rates in Format No 2 of BOQ.**

GENERAL TERMS AND CONDITIONS FOR THE TENDERERS
(Instructions to Bidders)

1. Offer/Tenders must be filled through online mode only. The tenders filled in offline mode and through envelop will not be accepted and are subject to rejection. The rates in prescribed format 1 & 2 should be filled clearly and rate of GST should be quoted separately. The prices shall be on **FOR** basis anywhere in Himachal Pradesh.

2. Samples must be submitted and delivered in person or through their authorized representative in hpmc Head Office situated at 3rd floor Nigam Vihar, Shimla-2. Sample should bear a sealed label, marked with the offering Party's name and address. All instructions regarding the Samples specified in the notice should be complied with, all sample except those against accepted tenders must be removed by the suppliers within 15 days of the finalization of tenders, failing which the samples will become the property of hpmc. Similarly, the successful party who has put on rate contract shall remove their samples deposited against the rate contract after 90 days and before 120 days of the expiry of the contract where after the same shall become the property of the corporation and will be disposed off under the orders of the hpmc management, In such manner as may decide without giving any notice to the manufacturer/supplier/distributor.
3. Earnest money of Rs.1,00,000 (Rupees One Lakh each only) (refundable) & Tender Document Fee of Rs 1180/- (**non-refundable**) in the shape of Bank Draft/ NEFT/ RTGS be deposited in favour of Managing Director HPMC Ltd. Nigam Vihar, Shimla -2 and should be deposited through post or in person on or before the bid opening date i.e. on or before 1.00 P.M. till 16th June, 2022 and the scanned copy of both EMD & Tender Fee deposited in shape of Draft/ NEFT/ RTGS in technical bid cover without which tender will be considered invalid.
4. The offer must be accompanied by Goods & Services Tax (GST) clearance certificates showing the clearance of taxes up to 31st March of the preceding year.
5. The purchase Committee reserves the right of rejection /approval of all or any of the offer(s) without assigning any reasons thereto and reserves the right to negotiate with any of the tenderers where deemed necessary and to award parallel rate contract to any or all of the participating tenderers.
6. No offer will be considered unless all the documents are properly signed.
7. The manufacturer/supplier/distributor applying/bidding for the supply of carton if interested may also apply/bid for the supply of trays and separators and similarly trays/separator manufacturer/supplier/distributor may also bid for the supply of carton in case they fulfil all other terms and conditions/criteria fixed for the supply in order to supply complete packing material for packing of apple to the farmers/growers of the state in one platform.
8. The rates should be quoted FOR destination anywhere in Himachal Pradesh.
9. The Pre- dispatch inspection will be done by a team appointed by the Managing Director Horticultural Produce Marketing & Processing Corporation Ltd. Nigam Vihar Shimla -2. Four sets of samples on random basis shall be drawn by the inspecting team out of the lot of not more than 25,000 boxes at a time offered for dispatch in the presence of suppliers from their premises as per IS specifications for testing. One set will be utilized by the team for pre dispatch testing at manufacture's lab or some reputed lab, second for testing in H.P, Delhi or at the supplier and the forth one by the hpmc/procurement agency for reference and record. There will be no re-testing or re-inspection if the first sample fails. The dispatch instructions will be issued by the Corporation to such manufacturer/supplier/distributors who qualify in pre-dispatch test report from the inspection team. The charges of testing shall be borne by the Parties concerned.

10. Inspection of the cartons will be done by the representative/ authorised person of HPMC Ltd. and tests will be conducted at Horticulture Department Laboratory at Navbahar or Indian Institute of Packaging Delhi/ Bureau of Indian Standards Central Laboratory, Ghaziabad, Uttar Pradesh or other registered/certified Lab. Final payment shall be subject to the material passing such test satisfactorily.
11. The offering parties will furnish detail regarding the total production capacity of their unit total quantity being offered to HPMC for supply during the season, monthly supply schedule, details of machinery and testing facilities available with them or above detail of the Manufacturer with whom the supplier/distributor will be making supply tie-up.
12. The GST and other applicable taxes etc. be indicated separately otherwise rates will be deemed to be inclusive of such levies/taxes and no future increase in duty /taxes will be allowed
13. The Management would be at liberty to negotiate with any or all of the approved tenderers who could supply the carton at the shortest possible notice as per design, terms and conditions & requirement of hpmc for its own consumption as well as for supply to the fruit growers of the State on reasonable rates.
14. The interested parties may quote their offer for entire items as well as exclusively for any one of the item.
15. The last date of receipt of offer is 16th June, 2022 up to 1.00 P.M. The bid will be opened on the same day before the authorised representatives of interested parties at 3.00 P.M.
16. The Bank details of our account for deposit of EMD & Tender Document through RTGS/ NEFT.

Account No	55069383097
Account holder name	HPMC Ltd
IFSC Code	SBIN0050204
Bank name	State Bank of India H.P. Secretariat Shimla East H.P. 171002.

17. **Specification of the Cartons to be procured will be as under.”**

Type of Cartons:	Tray packed Telescopic Corrugated Fibre Board (CFB) Cartons.
3 plies	Two pieces of below mentioned specifications.

S. N	Constituents	Quality Parameters
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		Telescopic Carton (for 20 KG Apples)	Telescopic Kullu Carton (for 10 KG Apples)
1	Dimensions (mm) Length X Breadth X Height)	504 X 303 X 280 (outer \pm 2 mm) 500 X 300 X 280 (inner \pm 2 mm)	504 X 303 X 160 (outer \pm 2 mm) 500 X 300 X 160 (inner \pm 2 mm)
2	No. of Plies (Corrugated Fibre Board)	6 Plies (Three outer, Three inner)	6 Plies (Three outer, Three inner)
3	Tare weight (in Grams)	950 to 1000 gms \pm 2%	550 to 600 gms \pm 2%
4	Grammage Gms/ CM ²	210/160/250 (inner) 220/160/183 (outer)	210/160/250 (inner) 220/160/183 (outer)
5	Bursting Strength (Kg/ CM ²)	18 Kg \pm 2%	14 Kg \pm 2%
6	Compression Strength(kgf) at 27 ° \pm 2°c for 24 Hrs. and humidity 65 \pm 2%	450 Kg \pm 5%	450 Kg \pm 5%
7	Cobb Value (Water Absorption)gms/ m ² for 30 minutes as per IS- 4006 (part-I) 1966	<120 \pm 5%	<120 \pm 5%
8	Moisture % age (at the time of testing)	Not less than 8 % and more than 9%.	Not less than 8 % and more than 9%.
9	Direction/ Type of Flute	Vertical/ Narrow	Vertical / Narrow
10	Style of Carton	Telescopic (0320)	RSC (0201)
11	Manufactures Joint	By Staple Pins/ Gluing	By Staple Pins/ Gluing

18. Other Specifications:-

- (i) **Flap and bend Test:-** The flaps of the inner and outer piece of the box shall be capable of being folded through 180 Degree inside and then back through 180 degree angle along with the line of creasing without showing any sign of cracking splitting. The flaps on bottom and top will be together and no space is to be left in between.
- (ii) **Hygienic requirement:-** To comply with the hygienic requirement, materials on or incorporated in the finished box shall :-
- Be substance prohibited any relevant regulatory authority or
 - Contaminate the packed contents to a level likely to adversely affect its odour or colour.

- c) The adhesive used for pasting of the various plies of the board shall be of high quality free from silicate and water resistance of neutral PH reaction. No acidic or alkaline material be used.
- (iii) **Slots and Holes:-** For handling, there should be a slot of 7 cm long and 2 cm wide in the centre of shorter sides of the cartons on each side.
- (iv) **Stitching Wire:**
- a) Stitching wire shall be flat corrosion resistant and not less than 2.4 mm wide and 0.5mm thick.
 - b) The crown of each stitch shall be not less than 10 mm long
 - c) The centre to centre spacing of stitches shall not exceed 65 mm.
 - d) There will be 2 joints each on top and bottom telescopic cartons, of course on alternative corners in top and bottom portions.
 - e) Staple wire will be fixed on the outer side of the cartons, outer parts of the cartons shall have joints inside. However, joints should be very smooth and may not harm fruit inside the box.

Marking and Identification:

- a) Batch or lot No. should be given both on top and bottom piece of the cartons. This has to be the same on both the pieces.
- b) Manufacturers name and trade mark should also be embossed both on top and bottom piece of the carton.

19. **Printing:**

Both side of the cartons a rectangular space measuring 31.5 cm in length and 10 cm in breadth with 0.5mm thickness of the boundary line with red & Black or other two colours should embossed for the convenience of the growers to put their stencils and trade name of the orchard. Carton to be supplied should bear the marking “for sale through HPMC only”.

20. **Delivery:**

- a) Each party is required to supply as per schedule immediately on the receipt of the supply order.
- b) The entire supplies of the cartons, trays, separator and other allied material will be completed within 10 days from the receipt of supply order. The supply order of the parties, who fail to supply prescribed quantity of carton, trays, separator and other allied material by due date, will be treated as cancelled and shortfall would be made good from other supplier at the cost and risk of the defaulters.
- c) The supply should be made in bundles containing 10 outer and 10 Inner per bundle invariably and trays of 100 count bundle.
- d) The supplier should reach at destination within 7 days from the date of inspection of the material.
- e) Each supply should accompany the copy of supply order placed on the party.

21. **Price Fall:**

The price charged for the cartons supplied under this order by the supplier shall in no event exceed the lowest price at which the supplier sells the cartons or offers to sell carton of identical description to any persons/organization or any department of the Central Government or any department of State Government (except the hpmc under condition No.) or any statutory undertaking of the Central or State Government as the case may be during the period till all supply orders placed during the period of the supplies is completed.

If at any time ,during the said period the supplier reduces the sale price, sells or offers to sell such cartons/trays separator and other allied material to any person/or any organization or any Department of central Government or State Government or any Statutory undertaking of the Central or state Government, as the case may be, at a price lower than the price agreed under this supply order, he shall forthwith notify such reductions or sale or offer of sale to the hpmc and the price payable under the supply order, for the cartons, trays, separator and other allied material supplied after the date of coming in to force of such reduction or sale, or offer of sale shall stand correspondingly reduced and the payment will be made on such reduced prices.

SPECIFICATIONS of SEPARATOR SHEET:-

Dimension of separator (in mm): (L) 495X (W) 295

No of ply :3 ply

TECHNICAL SPECIFICATIONS OF APPLE TRAYS:-

Specification: Specification of the Trays to be procured will be as udner:-

Dimension (in MM) : (L) 500x (B) 300
 Weight (before drying in Gms) : 100-110
 Weight (after drying in Gms) : 90-100
 Test : Nil
 Holes if any : does not leak
 Weight Bearing Test : : By Superimposing 14 Kg for 72 hrs.
 Load bearing capacity : Minimum 6 Kg per Trays.

i)

Size	Grade	Approx size in Inch	Approx pocket size in mm	No of layer of apple
80	Extra Large	33/8	85	4
100	Large	31/8	80	5
125	Medium	27/8	75	5
150	Small	25/8	70	5
175	Extra Small	23/8	65	5
240	Extra Small (6 layers)	21/8	60	6

A. Configuration:

The paper pulp trays shall be of any such configuration which may meet all the desired performance/specification mentioned hereunder:-

i) The Trays should be manufactured on Automatic plant.

ii) **Area of Deployment:** paper pulp trays will be filled with apples at orchards at a height of 4500 ft to 8500 ft and brought down to Road heads in small motor vans. The weight on each tray may vary from 04 to a maximum of 6 kg for 20/10kg carton. These paper pulp trays will be transported in Refrigerated trucks/Reefer containers or in Ordinary trucks. These paper pulp trays may be further kept inside Controlled Atmosphere Store / cold Store.

iii) **Handling:** At orchards/ CA Store the handling will be manual.

iv) **Temperature Exposure:** Paper pulp trays will be subjected to a minimum temperature of 1 deg C to a max of 38 Deg C. During pre cooling, the air flow rate will be approx. 20500 cfm, temperature will be brought down from 25 deg C to 5 deg C. Further the apple pulp trays filled with apples will be transported in refrigerated /Reefer trucks at 5 to 8 deg c and stored in CA store.

v) **Humidity Exposure:** To a maximum of 95%RH.

vi) **Dead weight load:** During transportation paper pulp trays will be kept one above other in 02 to 05 tiers. The bottom most paper pulp trays will have to with stand a dead weight equivalent to $W = 8 \times (\text{dead weight of paper pulp trays} + 04\text{kg}/06 \text{ kg. for } 10\text{kgcarton}/20\text{kgcarton respectively})$ Sufficient Factor of safety should be taken while calculating W assuming both dead weight and lateral forces during transportation.

vii) **Performance:**

Paper pulp trays should perform satisfactorily in above conditions and the different parameters given below should not go below the minimum specified value after subjecting trays to cold chain.

B. Other specification:

i. **Fresh Produce Safety Requirement-** To comply with the fresh produce safety requirement, no materials on or incorporated in the finished box shall:-

- a) Be substance prohibited by any relevant regulatory authority or
- b) Contaminate the packed contents to a level likely to adversely affect its odour or flavour.
- c) The chemicals used for paper processing should be of high quality food grade, certificate should be submitted in this regard

22. Earnest Money

In case the party fails to supply cartons as per terms and conditions specified above, the earnest money lying with the Corporation shall be forfeited. Besides this, the party may be black listed/debarred for further dealing.

All disputes shall be settled within the jurisdiction of the Courts of H.P. at Shimla.

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Managing Director

