

## **Minutes of the meeting of Empowered Monitoring Committee (EMC) under Mission for Integrated Development of Horticulture (MIDH) held on 17.01.2019.**

Meeting of Empowered Monitoring Committee (EMC) of Mission for Integrated Development of Horticulture (MIDH) was held under the Chairmanship of Shri Devesh Chaturvedi, Additional Secretary (AC&FW) on 17.01.2019, to consider project proposals appraised by PAC of MIDH and SLEC of Gujarat, Himachal Pradesh, Jammu & Kashmir, Manipur, Uttar Pradesh and Tripura.

List of participants is annexed.

At the outset, Shri Dinesh Kumar, Joint Secretary (MIDH) welcomed the Chairman and members of EMC. He gave brief overview of various committees constituted under MIDH for sanction of projects and procedures of appraisal of project based proposals. He further stressed that States need to take effective steps to complete the sanctioned project in time and ensure to get them operationalized for the benefit of farmers.

Based on the discussions and views expressed by members of EMC, following decisions were taken:

**a. Agenda Item No. 1:** Projects recommended by PAC for approval of EMC.

**1/PAC/MIDH/Gujarat**

**a.1 Name of State: Gujarat**

**Name of Project:** M/s S.G. Preservatives Pvt. Ltd.

**Constitution:** Private Limited Company

**Registration No:** U15130GJ2015PTC083769

**Date of Receipt:** 01.10.2018

**Activity:** Type-I & Type-II cold storage and Ripening Chamber

**Capacity:** 5000 MT

**Location:** Block No.659, Sokhda Asoj Road, Village- Asoj, Taluka & District: Vadodara, Gujarat

**Project Cost:** Rs. 2725.14 lakh

**Project Details:** This is a private limited company having two partners namely Mr. Shashikant Gordhanbhai Patel and Mrs. Reena Patel. The firm proposes to set up a integrated cold chain project with PEB structure has basic material handling equipment along with integrated pack house, ripening unit (4 chambers) and refer van for preservation of fruits, vegetables, spices and agro commodity with 17 chambers having total capacity of 5000 MT (7 chambers of CS Type – II having total capacity of 1673 MT and 10 chambers of CS Type – I having total capacity of 3338 MT) and 4 nos. of ripening chambers with total capacity of 38.75 MT at Asoj, District Vadodara. The promoters have attached data sheet for standards with project report. The promoters are using PUF slab for insulation, Sensors and Analysers, Control System, CA doors, Co2 Absorber, Nitrogen generator system, programmed logic controller, dock shelter, ethylene scrubber, PVC pipe and fitting, High Reach truck, wooden bins, integrated pack house and grading sorting line etc. Compressors are reciprocating type using ammonia as refrigerant and ceiling suspended cooling system.

**Project Cost:****(Rs. in Lakh)**

S. No	Particulars	Project Cost		MIDH		Adm. Sub.
		Bank	SHM	PAC	EMC	
<b>A</b>						
1.	Cold Storage Type – II (1673 MT) @ Rs. 10000/MT including building plant & machinery	503.60	167.30	167.30	167.30	
2.	Cold Storage Type – I (3338 MT) @ Rs. 8000/MT including building plant & machinery	903.91	267.04	267.04	267.04	
	<b>Sub Total (A)</b>	<b>1407.51</b>	<b>434.34</b>	<b>434.34</b>	<b>434.34</b>	
<b>B</b>	<b>Add on Components</b>					
1.	CA machinery (2 Nos.)	200.00	200.00	200.00	200.00	
2.	CA Doors (7 Nos.)	24.00	17.50	17.50	17.50	
3.	Dock leveller (2 Nos.)	15.00	14.00	14.00	14.00	
4.	Reach truck	24.82	17.00	17.00	17.00	
5.	Wooden Bins (1673 MT)	296.18	33.46	33.46	33.46	
6.	Advance PLC Equipment	45.00	10.00	10.00	10.00	
	<b>Sub Total (B)</b>	<b>605.00</b>	<b>291.96</b>	<b>291.96</b>	<b>291.96</b>	
<b>C</b>	Integrated Pack house (5 Nos.)	305.00	250.00	250.00	50.00 (1 No.)	
<b>D</b>	Ripening chamber (38.75 MT)	39.49	38.75	38.75	38.75	
<b>E</b>	Reefer Van (9 MT)	44.00	26.00	26.00	26.00	
<b>F</b>	Misc. Fixed Assets	7.91				
<b>G</b>	MGVCL Deposit & line Charges	50.00				
<b>H</b>	Preliminary & preoperative expenses	117.16				
<b>I</b>	Margin money	149.07				
	<b>Total Project cost</b>	<b>2725.14</b>	<b>1041.05</b>	<b>1041.05</b>	<b>841.05</b>	<b>294.37</b>

**Means of finance:**

Promoter's Share: Rs. 1225.14 lakh  
Term Loan: Rs. 1500.00 lakh

**Bank Details:** Bank of Baroda., Koth Branch, Vadodara has appraised the project and sanctioned total term loan of Rs. 1500.00 lakh vide letter dated 03.11.2017 for setting up of type-I and type-II cold storage along with integrated pack house and Ripening Chamber.

**Recommendation of SLEC:** State Level Executive Committee (SLEC) of Gujarat in its meeting held on 12.09.2018 considered the proposal and recommended the project for sanction of Rs. 364.37 lakh as credit linked back ended subsidy.

**Recommendation of PAC of MIDH:** PAC appraised the project in detail and based on the proposal to be placed before EMC for approval of Rs. 364.37 lakh as credit linked back ended subsidy. State Horticulture Mission will clarify the through put of integrated Packhouse and capacity of CA generator.

**Decision of EMC:** Based on the recommendation of PAC of MIDH, EMC considered the proposal and sanctioned financial assistance of Rs. 294.37 lakh @ 35% as credit linked back ended subsidy restricting provision of subsidy for one Integrated Pack House only as per "Guidelines & minimum System Standards for Implementation in Cold-chain Components" enumerates that a maximum admissible cost norm of Rs. 50.00 lakh per integrated pack house unit is applicable for each beneficiary. SHM shall ensure that the pack house is to be established as per the Pack House Recognition Scheme of APEDA.

The funds will be released in two installments after satisfactory JIT as per laid down procedure.

**2/PAC/MIDH/HP**

**b. Name of State: Himachal Pradesh**

**b.1 Name of Project:** Centre of Excellence for subtropical fruit crops.

**Date of Receipt:** 1.10.2018

**Location:** Dharampur, Mandi District, Himachal Pradesh

**Project Cost:** 3500.00 Lakh

**Project Details:** The proposal is for establishment of CoE for Subtropical Fruit Crops with financial assistance for creation of infrastructure under MIDH & State Government and technical assistance under Indo – Israel action plan.

The main objective of the project is to demonstrate advanced horticulture technology, development and demonstration of precision farming techniques for subtropical horticulture crops, providing overall insight in technical aspects of growing horticulture crops and upgrading managerial and technical skills in major aspects related to modern crop, water and fertilizer management strategies, providing planting material of commercial fruit/floriculture/ornamental crops, exchange and transfer of knowledge in modern hi-tech Horticulture Systems and interact with the industry so as to create self-sustaining and prosperous horticultural community, standardize & demonstrate sustainable horticultural crop production technology, Generate productive employment opportunities etc.

The centre will provide opportunities for strengthening the infrastructure in respect of germplasm, human resource development & a comprehensive facilitation centre to give an impetus to the farming community for enhancement in quality production/productivity of fruit crops.

The infrastructure proposed to be created are fruit demonstration plots (5 ha.), high-tech Nursery (0.1 ha.), Shade Net house (0.5 ha.), Net House, mist chambers (0.1 ha.), automated fertigation/irrigation control system, automated water station, water storage tanks, vermicompost unit. The farm equipment and machinery will include power sprayer with 1500 liter spray mixtures tank, pruning machines, fruit picker, mulching machine, tractor & trolley, rotary tiller/power weeder, disc harrow, tillers, rotavator, ridge maker, digger, boom sprayer for hi-tech poly house, tensiometer, mowing machines etc.

Proposed fruit crops: Subtropical crops like Mango, Citrus and Guava etc.

**Recommendation of PAC of MIDH:** PAC appraised the project and observed that so far there is no CoE for Temperate and sub-tropical fruits in the State.

PAC recommended the proposal for according 'in-principle' approval. The State may be advised to approach, Embassy of Israel/Netherlands for vetting of proposal by experts. State will complete the codal formalities and global tender process for finalizing the actual cost. The ceiling of grant from MIDH to be shared between Centre and State for establishment of the centre may be restricted to Rs. 1000.00 lakh as per MIDH guidelines and balance amount, if any, for completion of the project will be borne by State Government.

**Decision of EMC of MIDH:** EMC considered the project proposal and felt the need of CoE in Himachal Pradesh. The State needs to approach, Embassy of Netherlands for vetting of proposal by PUM experts. The ceiling of grant from MIDH to be shared

between Centre and State for establishment of the centre may be restricted to Rs. 1000.00 lakh as per MIDH guidelines and balance amount, if any, has to be borne by State Government. SHM need to make provision of CoE in their AAP 2019-20. With these modifications, State SHM needs to send proposal again after due approval of SLEC.

**3/PAC/MIDH/J&K**

**c. Name of State: Jammu & Kashmir**

**c.1 Name of Project:** Centre of Excellence for Seabuckthorn and other temperate fruits like apricot etc.

**Date of Receipt:** 26.06.2018 Revised Project receipt on 09.10.2018

**Location:** Fruit Plant Nursery, Nimoo, Leh

**Project Cost:** Rs. 997.01 Lakh

**Project Details:** Ladakh region in Jammu & Kashmir is home to a number of endemic species and thus provides considerable scope for area-specific comparative advantages. Seabuckthorn is an ecologically and economically important native plant. The species is dioecious and wind pollinated. The female plant bears red, orange or yellow berry on two-year-old thorny twigs. Seabuckthorn berry is one of the most nutritious of all fruits and have immense medicinal properties. The plant is hardy and can withstand extreme temperatures. The shrub develops extensive root system having ability to fix atmospheric nitrogen and can be used for variety of user such medicine, nutritional supplement, firewood, fencing, tree guard, wind break, building construction, religious rites, agricultural implements, soil fertility enhancement etc.

The project was discussed by EMC in its meeting 13.07.2018 and gave its 'in-principle' approval. EMC also decided that the project should have the components of hi-tech nursery, harvesting machine, flash freezer technology, freeze drying technology, demonstration plots, the processing unit should be an integrated one with pulp and RTGS making facilities.

Now, State Horticulture Mission, Jammu & Kashmir vide letter dated 08.10.2018 has resubmitted the revised proposal incorporating changes/modifications suggested by EMC.

Horticulture Department, Leh has submitted a revised project proposal for establishment of Centre of Excellence for Seabuckthorn at Fruit Plant Nursery, Nimoo, Leh. The objectives of CoE are as under:

- Demonstration of a model Seabuckthorn orchard.
- Establishment of a model nursery of high yielding Seabuckthorn selection
- Import and evaluation of elite Seabuckthorn varieties
- Development of standard package of practices
- Improvement in the post harvest handling and establishment of cold storage facilities
- Demonstration of a pilot scale Seabuckthorn primary processing unit
- Demonstration of a pilot value added product development unit
- Knowledge transfer and extension education for capacity building

**Project Partners:**

Project leadership: State Government of Jammu & Kashmir

Parties involved:

- a. Department of Horticulture, Leh
- b. Defence Institute of High Altitude Research (DRDO), Leh
- c. State Agriculture University (SKUAST-K)

**Project Cost:**

(Rs. Lakh)

S. No.	Particulars	Cost as per DPR	As per PAC/EMC
<b>1.</b>	<b>Part I civil component:</b>		
i)	Land development and landscaping (Fencing, Foot path, terracing, and channelization, for establishment of Seabuckthorn centre of excellence in Leh Ladakh.	130.59	130.59
ii)	Estimate for the construction of building for training hall, processing unit cold room, quality control, leaf/tissue/soil analysis laboratory at Nimoo Leh Ladakh.	298.25	298.25
iii)	Estimate for the construction of trainee Hostel and Expert residence at establishment Centre of Excellence at Nimoo Leh.	43.14	0.00
iv)	Estimate for the construction of retail outlet at main gate of COE at Nimoo	38.15	20.00
v)	Estimate for Approach Road, parking, Internal road and culverts	52.88	52.88
vi)	Estimate for overhead water storage system capacity 1.5 lakh liter.	23.34	23.34
vii)	Provision for construction of passive Green house structure with wall on north side recommended by DIHAR. (Modal Nursery)	17.00	17.00
<b>2.</b>	<b>Part II Mechanical and electrical systems</b>		
i)	Estimate for sanitary and plumbing and plumbing for bath room.	38.37	38.37
ii)	Provision for Internal Transmission line, and electric pole	4.50	4.50
iii)	Provision for 8" dia submersible dual type bore well 3 nos @ 600000.00	18.00	18.00
iv)	Provision for micro irrigation ( including pipe lines, sprinkle, drip nozzle, gate valve, motors etc.	12.00	12.00
v)	Provision for electrification detailed	38.24	38.24
<b>3.</b>	<b>Part III Human Resources Development</b>		
i)	Study tour to progressive States (as per MIDH guidelines)	3.50	0.00
ii)	Outside India @ Rs. 4.00 lakh max/participant (MIDH guidelines)	16.00	0.00
<b>4.</b>	<b>Part IV Inputs</b>		
i)	Provision for import and evaluation of plant material	22.00	22.00
ii)	Provision on planting material from DIHAR leh and collection of Hard wood/soft wood cutting from the forest areas	8.00	4.00
iii)	Provision for establishment and purchase of Craft Centre for value addition and quality control laboratory and purchase of processing line requisite machinery equipment including walk in cold storage chamber	62.00	
	Quality Control Lab		7.00
	Processing line		25.00
	Staging Cold Room		15.00
iv)	Provision for the purchase and establishment of soil testing Laboratory with requisite machinery equipment/equipments/ glassware for leaf/tissue/soil testing laboratory	53.00	20.00
v)	Provision for manures, fertilizers, mulching material etc.	2.80	2.80
vi)	Provision for pesticides and PP equipment etc.	9.00	0.00
vii)	Provision for harvesting tools and implementation etc	12.00	0.00
viii)	Provision for institutional strengthening purchase of vehicle, tractors etc.	20.00	0.00

ix)	Provision for weather station	8.00	6.00
x)	Reefer Transport (4 MT)		SHM may consider inclusion
xi)	Collection Centres (5 Nos.)		-do-
xii)	Harvesting machine (Local/Import)		-do-
xiii)	Aseptic packaging		-do-
5.(i)	Provision for furniture and furnishing etc	9.50	9.50
5.(ii)	Provision for office contingency and monitoring expenses @ 40%	31.89	0.00
6.	Technology support from DIHAR	12.86	12.86
7.	Handholding support for three years	12.00	12.00
	<b>Grand Total</b>	<b>997.01</b>	<b>789.33</b>

**Recommendation of PAC of MIDH:** PAC recommended the proposal to EMC for approval of Rs. 783.97 lakh for CoE for Seabuckthorn at Leh with Technical expertise from DRDO, DIHAR. State may consider inclusion of reefer transport vehicles, harvesting machines, collection Centres, Tetra pack and aseptic packaging units for CoE for which it may seek approval of SLEC/EMC.

**Decision of EMC of MIDH:** EMC considered the proposal and approved financial assistance of Rs. 789.33 lakh for establishment of Centre for Excellence for Seabuckthorn at Leh with Technical expertise from DRDO, DIHAR. State with the approval of SLEC, will consider inclusion of reefer transport vehicles, harvesting machines, collection centres, tetra pack and aseptic packaging units for CoE with additional cost out of MIDH. The ceiling of grant from MIDH to be shared between Centre and State for establishment of the centre needs to be restricted to Rs. 1000.00 lakh as per MIDH guidelines and balance amount, if any, for completion of the project will be borne by State Government. SHM to make provision in their AAP and implementation should be completed in one year. The centre will work out yearly training schedule commensurate with the available infrastructure. The centre needs to get itself accredited by ASCI to provide skill training. State will make annual budgetary provision out of Plan schemes for running of the project. State need to fund HRD component from regular MIDH budget as per approved norms.

**4/PAC/MIDH/J&K**

**c.2 Name of Project:** M/s Peaks Agro Warehousing Pvt. Ltd

**Date of Receipt:** 06.08.2018

**Activity:** Integrated Controlled Atmosphere Cold Storage and Pack House Project for Apples and Other Horticulture produce of Jammu & Kashmir

**Location:** IGC, Lassipora, Pulwama

**Project Cost:** Rs. 4,288.99 Lakh

**Capacity:** 5000 MT

**Registration No:** U01403JK2009PTC003082, datd-19.11.2009

**Project Details:** The project proposals under erstwhile HMNEH scheme of MM-III were received and processed by NHB on behalf of this Department. The scheme has been subsumed under MIDH w.e.f. from 01.04.2014 and subsequently, the projects are being considered by EMC of MIDH on the basis of recommendations made by SLSC of concerned State and PAC of MIDH.

EMC in its meeting held on 27.08.2014 considered pending proposals of MM-III and decided that the proposals received with Bank term loan sanction and SLSC

recommendations prior to 10.02.2014 shall be considered by NHB, as per pre-revised norms after due diligence and appraisal for sanction under MIDH. The cases with SLSC recommendations and Bank term loan sanction after 10.02.2014 will be considered as per new cost norms of MIDH.

The proposal of M/s Peaks Agro Warehousing Pvt. Ltd. was received in NHB on 30.01.2014 with Bank loan sanction prior to cutoff date but without SLSC approval. However, SLSC has approved it on 28.03.2014. The proposal was considered by PAC of NHB in its meeting held on 23.11.2015 and referred it to MIDH Division for decision.

The proposal was accordingly, considered by EMC of MIDH in its meeting held on 20.01.2016 as Agenda Item No.3 under the category projects which were recommended by PAC to be referred back to states/NHB for seeking clarifications or consideration as per delegation of powers. EMC considered the recommendations of PAC of MIDH and approved as "It is clear from the minutes of PAC of NHB that case cannot be considered under the old norms of erstwhile HMNEH, wherein higher rate of assistance for integrated CA Store was available @ 50% of admissible cost of Rs.70,000/MT". The observations of EMC were conveyed to NHB for taking further necessary action in the matter.

EMC, in its meeting held on 13.07.2018, after deliberations recommended that NHB will return the project to the State for seeking fresh recommendations as per revised guidelines. Since the project is less than 5000 MT capacity, it will be considered by EMC of MIDH.

In light of decision taken in the EMC meeting held on 13.07.2018, the National Horticulture Board returned the DPR and other relevant document of M/s Peaks Agro warehousing Private Limited to SHM. Now the State Horticulture Mission (SHM) vide letter dated 03.08.2018 has resubmitted the above project proposal for consideration and sanction of subsidy by EMC of MIDH.

This is a Private limited firm having two partners namely Shri Baldev Singh and Shri Jarnail Singh. The firm proposes to set up a integrated controlled atmosphere cold store and packhouse for apples and other horticultural produce, with 30 chambers having total capacity of 5000 MT (20 chambers having capacity 150 MT each and 10 chambers having capacity 200 MT each) and latest apple modern fruit packing line facility basic material handling equipment along with add on technology for controlled atmosphere store at Lassipora, Pulwama district for apple and other horticulture crops. The promoters have attached data sheet for standards with project report. The promoters are using PUF slab for insulation, Sensors and Analysers, Control System, CA doors, Co2 Absorber, Nitrogen generator system, ethylene scrubber, PVC pipe and fitting, High Reach truck, wooden bins, integrated pack house and grading sorting line etc. Compressors are reciprocating type using ammonia as refrigerant and ceiling suspended cooling system.

**Project Cost:**

**(Rs. in Lakh)**

S.No	Particulars	Project Cost					Admissible Subsidy
		DPR	Bank	SHM	PAC	EMC	
1.	Land cost	30.00					
2.	Building	777.25	777.25				
3.	Plant & machinery	1945.81	1945.81				
4.	MFA and bins	1241.82	1102.69				

	<b>Sub total (1 - 4)</b>	<b>3994.88</b>	<b>3825.75</b>		<b>500.00#</b>	<b>500.00#</b>	
	<b>Add on Component</b>						
5.	refrigeration system including Co2 scriber, nitrogen generators etc.	194.00*					
6.	CA Doors (30 Nos.) including CA Generators	514.00*			50.00	50.00	
7.	CA Generators (2 Nos.)				250.00	250.00	
8.	Grading line (2 Nos.) (Optical)				150.00	75.00 (1 line)	
9.	Reach Truck (2 Nos.)	47.22*			34.00	34.00	
10.	Bins/pallets	1151.94*			100.00	100.00	
11.	Fork Lift (3 Nos.)		47.22				
12.	Specialized packaging	0.50*	0.50		0.50	0.50	
13.	Crates		49.25				
14.	Weigh scale (4 Nos.)	0.50*	0.50		0.50	0.50	
15.	Diesel Genset of 500 KVA	38.50*	38.50		38.50	38.50	
16.	Platform Trolley (16 Nos.)		1.00		1.00	1.00	
17.	Hand Pallet Truck (8 Nos.)		2.16				
18.	Preliminary & Pre operative expenses	2.00	2.00				
19.	Interest During construction period	132.50	132.50				
20.	Contingencies	79.30	79.30				
21.	WC Margin	80.31	80.31				
	<b>Total</b>	<b>4288.99</b>	<b>4258.99</b>	<b>1500.00</b>	<b>1124.50</b>	<b>1049.50</b>	<b>524.75</b>

\* Cost included in plant & machinery and MFA cost.

# Cold storage type – II (5000 MT) @ Rs. 10000/MT including building, plant & machinery.

### Means of finance:

Promoter's Share: Rs. 858.99 Lakh

Term Loan: Rs. 3430.00 Lakh

**Bank Details:** Jammu & Kashmir Bank Limited, Lassipora, Pulwama has appraised the project and sanctioned total term loan of Rs. 3430.00 lakh vide letter dated 11.10.2013 for setting up an Integrated Controlled Atmosphere (CA) cold storage with modern Fruit packing line.

**Recommendations of SLEC:** State Level Executive Committee (SLEC) of Jammu & Kashmir in its meeting held on 28.03.2014 considered the proposal and recommended the project for sanction of credit linked back ended subsidy of Rs. 750.00 lakh. SHM vide letter dated 03.08.2018 has submitted that sub-committee of SLEC has reappraised the project and recommended for sanction of Rs. 750.00 lakh as credit linked back ended subsidy to the project.

**Recommendation of PAC of MIDH:** PAC considered the minutes of NHB, PAC meeting, recommendation of clarification committee dated 11.04.2018, EMC meeting on 13.07.2018 and recommendation of SLEC (3.08.2018) for consideration of revised pattern of assistance. PAC recommended the proposal to EMC for approval of Rs. 562.25 Lakh as credit linked back ended subsidy as per revised guidelines. SHM may clarify the capacity of CA generators.



Information was sought from State Horticulture Mission, which has been received vide mail dated 25.12.2018. The capacity of CA generator (2nos.) is 70 Nm<sup>3</sup>/hr which is sufficient for 5000 MT capacity.

**Decision of EMC:** Based on the recommendation of PAC of MIDH, EMC considered the proposal and sanctioned financial assistance of Rs. 524.75 lakh @ 50% as credit linked back ended subsidy for setting up of cold storage (CS-II 5000 MT) with add on technology at Lassipora, Pulwama. EMC restricted provision of subsidy for one Integrated Pack House only as per "Guidelines & minimum System Standards for Implementation in Cold-chain Components" enumerates that a maximum admissible cost norm of Rs. 50.00 lakh per integrated pack house unit is applicable for each beneficiary. The funds will be released in two installments after satisfactory JIT as per laid down procedure. This project should be implemented by the State as part of Prime Minister's special package for J&K.

**5/PAC/MIDH/J&K**

**c.3 Name of Project:** M/s North Fresh Agro Cold Chain (P) Ltd.

**Constitution:** Private Limited Company

**Registration No:** U74999JK2017PTC010088

**Date of Receipt:** 16.11.2018

**Activity:** Type-II cold storage with integrated grading/waxing/packing of fruit/veg. and banana ripening chamber

**Capacity:** 5000 MT

**Location:** Village Takia Tapper, Pattan, Baramulla, Kashmir, J&K

**Project Cost:** Rs. 3685.13 lakh

**Project Details:** This is a private limited company promoted by two Directors namely Mr. Aweem Irshad and Mr. Umair Irshad. The company proposes to set up an integrated cold chain project with PEB structure has basic material handling equipment along with integrated pack house, ripening unit, specialized grading packing lines (4 Nos.) and refer van for preservation of fruits and vegetables with 22 chambers having total capacity of 5000 MT (20 chambers of CS Type – II and 2 Ante chambers) at village Takia Tapper, District Baramulla. The promoters have attached basic data sheet for standards with project report. The promoters are using PUF slab for insulation, Sensors and Analysers, Control System, CA doors, Co2 Absorber, Nitrogen generator system, programmed logic controller, dock shelter, PVC pipe and fitting, High Reach truck, wooden bins, integrated pack house and grading sorting line etc. Compressors are reciprocating type using ammonia as refrigerant and ceiling suspended cooling system.

**Project Cost:**

**(Rs. in Lakh)**

S.No	Particulars	Project Cost				Admissible Subsidy
		DPR	Bank	PAC	EMC	
<b>A</b>						
1.	Land and site development	157.00	7.00			
2.	Civil work and building	773.61	773.61			
3.	Plant & machinery including Add on Components	2061.75	2061.75			
4.	Misc. Fixed assets	63.92	63.92			

5.	Pre-operative Exp.	48.00	48.00			
6.	Interest during construction	448.85	448.85			
7.	Margin for working capital	132.00	132.00			
8.	Cold Storage Type – II (5000 MT) @ Rs. 10000/MT including building plant & machinery			500.00	500.00	
	<b>Sub Total (A)</b>	<b>3685.13</b>	<b>3535.13</b>			
<b>B</b>	<b>Add on Components out of P&amp;M</b>					
1.	Kirloskar compressor (2 Nos.)	280.00*				
2.	CA machinery (2 Nos.)	276.00*		250.00	250.00	
3.	PVC pipe, control cables, installation	12.50*			12.50	
4.	CA Doors (22 Nos.)	55.00*		50.00	50.00	
5.	Fork Lift (2 Nos.)	37.00*		34.00	34.00	
6.	Hand pallet truck (4 Nos.)	3.17*			3.17	
7.	Plastic Crates (30000*Rs. 200)	60.00*				
8.	Wooden bins (12000* Rs. 1750)	210.00*		100.00	100.00	
9.	Water treatment plant	1.25*		1.25	1.25	
10.	PLC base automatic control	60.00*		10.00	10.00	
11.	Dock levellers (5 Nos.)	35.00*		35.00	35.00	
12.	Alternate energy/solar PV system (2 Nos.)	70.00*		35.00	35.00	
13.	Optical grading, packing line (4 Nos.)	300.00*		300.00	150.00 (2)	
14.	Reefer Van (2 Nos.)	52.98*		52.00	52.00	
15.	Pre-cooling chambers (2 Nos.)	50.00*		50.00	50.00	
16.	Staging room	15.00*		15.00	15.00	
17.	Integrated pack house (4 Nos.)	200.00*		200.00	50.00 (1 No.)	
18.	Ripening chamber 300 MT	300.25*				
19.	Farm level equipments	13.60*				
20.	Packing & forwarding, commissioning etc.	30.00*				
	<b>Total Project cost</b>	<b>3685.13</b>	<b>1500.00 by SHM</b>	<b>1632.25 restricted to 1500.00</b>	<b>1347.92</b>	<b>673.96</b>

\* cost includes in Plant & machinery cost i. e. 2061.75 lakh.

### Means of finance:

Promoter's Share: Rs. 857.03 lakh  
Term Loan: Rs. 2828.10 lakh

**Bank Details:** J&K Bank, Chanapara Branch, has appraised the project and sanctioned total term loan of Rs. 2828.10 lakh vide letter dated 21.05.2018 for setting up of type-II cold storage along with integrated pack house, grading packing lines and Ripening Chamber.

**Recommendation of SLEC:** State Level Executive Committee (SLEC) of Jammu & Kashmir in its meeting held on 25.09.2018 considered the proposal and recommended the project for sanction of Rs. 750.00 lakh as credit linked back ended subsidy.

Information was sought from State for Basic Data Sheet, Bank Sanction Letter, CA and CE certificate w. r. t. Civil and P&M cost, land document, details (like basic data sheet, capacity, paper regarding reefer vans with refrigeration unit) of other activities like pre-cooling, staging cold room, reefer vans, ripening chambers, supporting quotations, backward and forward linkages, approved drawing/map/plan of buildings for all components, Memorandum of Article of Association, affidavit that no subsidy claim earlier, status of previous project etc.

The details have been received in case of M/s North Fresh Agro Cold Chain Pvt. Ltd. and examined, State has reported that two project namely North Fresh Agro Cold Chain and Nundresh Agro Products are near completion and recommended to consider these two projects for sanction of subsidy.

**Recommendation of PAC of MIDH:** PAC considered the recommendation of SLEC and recommended the proposal to EMC for sanction of Rs.750.00 Lakh as credit linked back ended subsidy. SHM may clarify capacity of CA generator, pre-cooling chambers and reefer van.

PAC also observed that the project has component of ripening chambers for banana ripening. SLEC has not considered the ripening chambers as banana is not produce in J&K. PAC clarified that banana ripening chambers as essentially established at consumption centres and not at production centres.

Information was sought from State Horticulture Mission, which has been received vide mail dated 26.12.2018. The capacity of CA generator (2nos.) is 70 Nm<sup>3</sup>/hr for which is sufficient for 5000 MT capacity. The capacity of reefer van is 9MT and pre-cooling unit is 6MT.

**Decision of EMC:** Based on the recommendation of PAC of MIDH, EMC considered the proposal and sanctioned financial assistance of Rs. 673.96 lakh @ 35% as credit linked back ended subsidy restricting provision of subsidy for one Integrated Pack House only at Baramulla, Kashmir. EMC restricted provision of subsidy for one Integrated Pack House only as per "Guidelines & minimum System Standards for Implementation in Cold-chain Components" enumerates that a maximum admissible cost norm of Rs. 50.00 lakh per integrated pack house unit is applicable for each beneficiary. The funds will be released in two installments after satisfactory JIT as per laid down procedure. JIT will verify the infrastructure created and recommended subsidy release as per the actual available infrastructure at project site and in field. This project should be implemented by the State as part of Prime Minister's Special package for J&K.

**6/PAC/MIDH/J&K**

**c.4 Name of Project:** Centre of Excellence for Horticulture fruits

**Date of Receipt:** 19.9.2018

**Location:** ACHR, SKUAST-J, Udheywalla, Jammu (J&K) - 180018

**Project Cost:** 784.04 lakh

**Project Details:** The project was discussed by EMC of MIDH in its meeting held on 20.01.2016 and was approved 'in-principle', subject to that, State will complete the codal formalities and global tender process for finalizing the actual cost, as per extant norms. The ceiling of grant from MIDH to be shared between Centre and State for

establishment of the centre may be restricted to Rs. 1000.00 lakh as per MIDH guidelines and balance amount, if any, for completion of the project will be borne by State Government.

The project was again discussed by EMC of MIDH in its meeting held on 04.06.2018 and approved the proposal 'in-principle' with the recommendations that based on the global tender process, State will submit a detailed plan for development of Centre along-with the estimates, drawings and time schedule by PWD Department for the components of infrastructure.

SHM vide letter number DHK/Pur/2018/6214-15 dated 04.08.2018 have informed that based on the recommendations of EMC of MIDH the civil work should be executed by the construction wing of SKUAST – Jammu. The total expenditure on fencing, construction of gate, store shed etc and modifications in the building etc. as on date is Rs. 69.55 lakh. The total amount required in lieu of the rates offered in BOQ is Rs. 633.80 lakh. There are certain spillover activities of civil work besides modification of building of Training hall which shall require total expenditure of Rs. 28.45 lakh.

The proposal is for establishment of CoE for fruits with financial assistance for creation of infrastructure under MIDH & State Government and technical assistance under Indo – Dutch action plan.

The main objective of the project is to demonstrate Hi-Tech cultivation for fruits, introducing high yielding varieties suitable for the state. The centre will provide opportunities for strengthening the infrastructure in respect of germplasm, human resource development & a comprehensive facilitation centre to give an impetus to the farming community for enhancement in quality production/productivity of fruit crops.

The infrastructure proposed to be created are plant health clinic, diagnostic centre, quality control laboratory, high-tech nursery, Insect proof house, shade net house, fertigation system, water harvesting system, post harvest handling unit including value addition etc.

Proposed fruit crops: Subtropical crops like Citrus etc.

### Objectives:

- Improvement in production, productivity and quality.
- Good crop husbandry practices.
- Minimizing cost of production of fruit crops with better benefit cost ratio.
- Environmental protection
- Judicious use of land, water and nutrients
- Increment in working efficiency
- Variability in fruit and fruit product
- Emerging of processing industry at cottage level
- Increased availability of skilled persons
- Improvement in scientific power

### Project cost:

(Rs. in lakh)

S. No.	Particulars of items	DPR (Rs. in lakh)	Expenditure	Spill over	Rates offered in BOQ (INR)	Proposed/ revised cost	As per PAC/EMC
1.	Fencing of 7.5 hectares @ 1.50/100 rft	25.00	25.00	-	-	25.00	
2.	Gate, Guard Room, Reception Cum Sales Counter	15.00	15.00	-	-	15.00	0.00

S. No.	Particulars of items	DPR (Rs. in lakh)	Expenditure	Spill over	Rates offered in BOQ (INR)	Proposed/ revised cost	As per PAC/EMC
3.	Construction of building accommodation for facilitation Centre of the project officer and other accommodation i. Project Manager ii. Asstt Manager ii. Clerical Hall iv. Plant Health Clinic v. Library vi. Laboratory (Soil and leaf pathology) vii. a training Hall with video conference facility.	150.00	19.55	20.00	105.73	145.28	105.73  For plant health clinic, laboratory, and training hall only
4.	Furniture & Fixtures/furnishings for training hall, project office along with rooms for staff members, Fabrication of display lab. for exhibiting various horticultural models of proven technologies for trainees	45.00	-	8.45	37.56	46.00	20.00
5.	Store/Shed for implements/ machinery equipment	10.00	10.00	-	-	10.00	10.00
6.	Post harvest management – grading, sorting, packaging room with washing facilities etc	25.00	-	-	38.08	38.08	25.00
7.	IT lab (5 no computers with accessories, 2 no lab top)	4.00	-	-	4.96	4.96	0.00
8.	Uprooting of existing Plantation from 10 hectare area	6.00	-	-	14.75	14.75	0.00
9.	Automatic weather, disease forecasting System	6.00	-	-	2.28	2.28	2.28
10.	Electronic Transformer 3 phase (100 kv-Gen set)	10.00	-	-	17.11	17.11	17.11
11.	Energy backup with online UPS (20 KV)	8.00	-	-	5.30	5.30	2.30
12.	Hi-tech Green house 5000 sq. meters (4000 Sq. m)	94.90	-	-	133.90	133.90	66.00
13.	Screen House 2 No's (1000 Sq.m each)	16.32	-	-	47.58	47.58	16.32
14.	Insect proof house for Citrus virus free planting material production (2 No) (1000 Sq.m each)	16.32	-	-	14.44	14.44	14.44
15.	Shade house /Naturally ventilated poly house 0.5 hectare with misting facilities	30.00	-	-	55.55	55.54	30.00
16.	Land Development with laser levelling preparation of blocks etc for plantation of fruit plants & development of irrigation and water storage facilities	100.00	-	-	24.78	24.78	24.78
17.	HRD-Knowledge transfer and extension education for capacity building through visits and trainings	512.50	-	-	-	12.50	0.00

S. No.	Particulars of items	DPR (Rs. in lakh)	Expenditure	Spill over	Rates offered in BOQ (INR)	Proposed/ revised cost	As per PAC/EMC
18.	Vehicle/Machinery/Equipment- Orchard Tractor/ Weeder/ Tiller, i.Tractor mounted with spray guns, ii.Power sprayers mist blowers & knapsacks, iii.Plant Canopy Analyzer, iv.Scissors, v.Freezer, vi.Walk in Cold Storage Room, vii.Pneumatic Pruning Installation	50.00	-	-	43.86	43.85	15.00 Horticulture machinery
19.	Labour Components	40.00	-	-	-	-	0.00
20.	Import of planting material, Plantation including layout plan	50.00	-	-	38.50	38.50	38.50
21.	Canopy Management & micro-irrigation with fertigation for covering major Crops (10 hectares)	30.00	-	-	22.66	22.66	22.66
22.	Contingencies 5% (Vehicle hiring, POL for Gen set, Tractor /JCB fuel, TA/DA etc)	20.00	-	-	-	10.00	10.00
23.	Consultancy Chargers	20.00			26.79	26.79	0.00
	<b>Total</b>	<b>784.04</b>	<b>69.55</b>	<b>28.45</b>	<b>633.80</b>	<b>754.30</b>	<b>420.12</b>

**Recommendation of PAC of MIDH:** PAC considered 'in-principle' approval dated 20.01.2016, 04.06.2018 and revised recommendation of SLEC and recommended the proposal for approval of Rs. 432.56 lakh. The project will be implemented under Indo-Dutch cooperation.

**Decision of EMC of MIDH:** Based on the recommendation of PAC of MIDH, EMC considered the proposal and approved financial assistance of Rs. 420.12 lakh for establishment of Centre for Excellence for Horticulture fruits at SKUAST-J, Udheywalla, Jammu with Technical expertise from Dutch side under Indo – Dutch Cooperation. Further, SHM will seek approval of SLEC for any additionality arising out of global tender with-in the stipulated guidelines of MIDH. SHM to make provision in their AAP and implementation should be completed in one year. The centre will work out yearly training schedule commensurate with the available infrastructure. State will make annual budgetary provision out of Plan schemes for running of the project and training modules will have to be accredited by ASCI. State needs to fund HRD component from regular MIDH budget as per approved norms.

## **Agenda Item No. 2: The projects recommended by PAC for deferring.**

**Decision of EMC:** EMC accepted the recommendations of PAC of MIDH for following projects and decided that pending information may be sought from the respective States and the proposals may be placed before PAC and EMC on the next date subject to the condition that desired information is received from States.

**7/PAC/MIDH/J&K**

**Name of State:** Jammu and Kashmir

**Name of Project:** M/S Nundresh Agro Products

**Constitution:** Partnership firm

**Registration No:** 07/02/05880/TEMP/MSME, dated 23.04.2012

**Date of Receipt:** 16.11.2018

**Activity:** controlled atmosphere cold chain unit, **Capacity:** 2000 MT

**Location:** Industrial Estate, Food Park, Doabgah, Sopore, Kashmir.

**Project Cost:** Rs. 1675.05 lakh

**Recommendation of PAC of MIDH:** Information is awaited from SHM regarding Basic Data Sheet, Bank sanction, CA and CE certificate w. r. t. Civil and P&M cost, land document, details (like basic data sheet, capacity, paper regarding reefer vans with refrigeration unit) reefer vans, supporting quotations of all P & M, approved drawing/map/plan of buildings for all components, affidavit that no subsidy claim earlier, status of previous project etc. although SHM vide letter 29.11.2018 have informed that this project is nearing completion, however, above details are still awaited to examine and place it before the committee.

**8/PAC/MIDH/J&K**

**Name of State:** Jammu & Kashmir

**Name of Project:** M/s Aweem Agro Cold Chain Pvt. Ltd.

**Constitution:** Private Limited Company **Registration No:** U74999JK2018PTC010372

**Date of Receipt:** 16.11.2018

**Activity:** Type-II cold storage with banana ripening chamber, **Capacity:** 5000 MT

**Location:** Village Takia Tapper, Pattan, Baramulla, Kashmir, J&K

**Project Cost:** Rs. 3685.13 lakh

**Recommendation of PAC of MIDH:** Basic Data Sheet, Bank Sanction Letter, CA and CE certificate w. r. t. Civil and P&M cost, land document, details (like basic data sheet, capacity, paper regarding reefer vans with refrigeration unit) of other activities like pre-cooling, staging cold room, reefer vans, ripening chambers, supporting quotations, backward and forward linkages, approved drawing/map/plan of buildings for all components, Memorandum of Article of Association, affidavit that no subsidy claim earlier, status of previous project etc. Information sought from SHM is still awaited.

**9/PAC/MIDH/J&K**

**Name of State:** Jammu & Kashmir

**Name of Project:** M/s Shopian Agro Fresh Cold Chain (P) Ltd.

**Constitution:** Private Limited Company, **Registration No:** U74999JK2018PTC010368

**Date of Receipt:** 16.11.2018

**Activity:** Type-II cold storage and banana ripening chamber, **Capacity:** 5000 MT

**Location:** Aglar Shopian, Kashmir, J&K, **Project Cost:** Rs. 3685.13 lakh

**Recommendation of PAC of MIDH:** Basic Data Sheet, Bank Sanction Letter, CA and CE certificate w. r. t. Civil and P&M cost, land document, details (like basic data sheet, capacity, paper regarding reefer vans with refrigeration unit) of other activities like pre-cooling, staging cold room, reefer vans, ripening chambers, supporting quotations, backward and forward linkages, approved drawing/map/plan of buildings for all components, Memorandum of Article of Association, affidavit that no subsidy claim earlier, status of previous project etc. Information sought from SHM is still awaited.

**10/PAC/MIDH/J&K**

**Name of State:** Jammu & Kashmir

**Name of Project:** M/s Shahanshah Agro Farms Pvt. Ltd.

**Constitution:** Private Limited Company, **Registration No:** U74999JK2018PTC010371

**Date of Receipt:** 16.11.2018

**Activity:** Type-II cold storage and banana ripening chamber, **Capacity:** 5000 MT

**Location:** Aglar Shopian, Kashmir, J&K, **Project Cost:** Rs. 3685.13 lakh

**Recommendation of PAC of MIDH:** Basic Data Sheet, Bank Sanction Letter, CA and CE certificate w. r. t. Civil and P&M cost, land document, details (like basic data sheet, capacity, paper regarding reefer vans with refrigeration unit) of other activities like pre-cooling, staging cold room, reefer vans, ripening chambers, supporting quotations, backward and forward linkages, approved drawing/map/plan of buildings for all components, Memorandum of Article of Association, affidavit that no subsidy claim earlier, status of previous project etc. Information sought from SHM is still awaited.

**11/PAC/MIDH/J&K**

**Name of State:** Jammu & Kashmir

**Name of Project:** M/S Shaheen Agro Fresh (P) Ltd. Unit-II

**Constitution:** Private Limited Company

**Date of Receipt:** 16.11.2018

**Activity:** Type-II cold storage and banana ripening chamber, **Capacity:** 5000 MT

**Location:** IGC, Lassipora, Kashmir, **Project Cost:** Rs. 3685.13 lakh

**Recommendation of PAC of MIDH:** The proposed project is proposed by owner of existing unit. SHM may clarify how it is considered as new unit. Copy of Branch Term loan sanctions and appraisal has not been submitted. The existing CA being run by the promoter, is running on losses since its inception, SHM may clarify.

Further, details of Basic Data Sheet, Bank CA and CE certificate w. r. t. Civil and P&M cost, land document, details (like basic data sheet, capacity, paper regarding reefer vans with refrigeration unit) of other activities like pre-cooling, staging cold room, reefer vans, ripening chambers, supporting quotations, backward and forward linkages, approved drawing/map/plan of buildings for all components, etc. are still awaited. The documents like separate land and bank sanction establishing it as a new unit by M/s Shaheen Agro Fresh are still awaited.

**12/PAC/MIDH/J&K**

**Name of State:** Jammu & Kashmir

**Name of Project:** M/s Orchard fresh cold chain (P) Ltd.

**Constitution:** Private Limited Company, **Registration No:** U74995JK2017PTC010142

**Date of Receipt:** 16.11.2018

**Activity:** Type-II cold storage and banana ripening chamber, **Capacity:** 5000 MT

**Location:** Industrial Estate Aglar, Shopian, Kashmir, **Project Cost:** Rs. 3709.75 lakh



**Recommendation of PAC of MIDH:** Basic Data Sheet, Bank Sanction Letter, CA and CE certificate w. r. t. Civil and P&M cost, land document, details (like basic data sheet, capacity, paper regarding reefer vans with refrigeration unit) of other activities like pre-cooling, staging cold room, reefer vans, ripening chambers, supporting quotations, backward and forward linkages, approved drawing/map/plan of buildings for all components, Memorandum of Article of Association, affidavit that no subsidy claim earlier, status of previous project etc. Information sought from SHM is still awaited.

**13/PAC/MIDH/Tripura**

**Name of State:** Tripura

**Name of Project:** Centre of Excellence for Vegetables (Indo-Dutch project)

**Date of Receipt:** 16.08.2018

**Location:** Dhalai District, Tripura, **Project Cost:** 10 crore

**Recommendation of PAC of MIDH:** State may submit details of physical and financial progress of existing unit and also DPR of instant project in consultation with Dutch experts which is still awaited.

**14/PAC/MIDH/UP**

**Name of State:** Uttar Pradesh

**Name of Project:** Centre of Excellence for Potato

**Date of Receipt:** 23.08.2018, **Project Cost:** 1753.50 Lakh

**Location:** C. S. Azad University of Agri. & Tech., Kanpur

**Recommendation of PAC of MIDH:** This is essentially a research project. CoE under MIDH is meant for demonstration of the existing technologies, capacity building and production of planting material. SHM may be advised to include the activities in the existing CoE's established under Indo- Israel Cooperation.

**15/PAC/MIDH/UP**

**Name of State:** Uttar Pradesh

**Name of Project:** Centre of Excellence for Potato

**Date of Receipt:** 23.08.2018, **Project Cost:** 1499.50 Lakh

**Location:** Narendra Deva University of Agriculture & Technology, Faizabad

**Recommendation of PAC of MIDH:** This is essentially a research project. CoE under MIDH is meant for demonstration of the existing technologies, capacity building and production of planting material. SHM may be advised to include the activities in the existing CoE's established under Indo- Israel Cooperation.

**16/PAC/MIDH/MNP**

**Name of State:** Manipur

**Name of Project:** Enhancement of Value chain for pineapple in Imphal East

**Date of Receipt:** 19.09.2018

**Location:** Sanjenthong, Imphal

**Project Cost:** 325.86 Lakh

**Recommendation of PAC of MIDH:** PAC considered the proposal, and observed that for value chain projects at present there are no norms under MIDH. Assistance is sanctioned for individual components as per the prescribed norms and specifications. SHM may be advised to take up this project with DoNER for their consideration under their schemes.

## **General decisions of EMC on 17.01.2019:**

During the course of the deliberations, the following general decisions were also taken by the Empowered Committee.

- i. All SHMs will regularly update the website giving details of projects sanctioned at State level as per the delegation of powers and also send the copy of SLEC minutes to this Department.
- ii. Credit linked back ended subsidy sanctioned under MIDH will be released by SHMs in two installments. First installment will be released after receiving satisfactory Joint Inspection Report (JIT) report of completion of civil works and installation of machinery/equipment as per technical standards. The second installment will be released by SHMs after receiving satisfactory JIT report for project completion and commencement of commercial production. The Joint Inspection Team will comprise of members from lending bank, technical expert, SHM and District Administration.
- iii. State to ensure that funds will be released to approved projects as per availability in minimum two installments after satisfactory JIT report out of annual allocation and funding pattern under MIDH.
- iv. SHM will also ensure that the centre will demonstrate the technologies on the farmers field and as well as at the CoE. It will also draw calendar for minimum two trainings per month of farmers and field staff.
- v. SHM will monitor the implementation of the projects and ensure that the CoE projects should be implemented on commercial lines and CoE also need to provide planting material like seedlings etc. to the farmers as per the requirement on reasonable rates.
- vi. States to review all pending project proposals and ensure clearance of older projects, within the provisions of annual allocation, before taking up new project proposals.
- vii. SHMs will attach with every proposal the following documents without which the proposal will be treated as incomplete:
  - a. Techno-economic feasibility report.
  - b. Copy of bank sanction letter and appraisal note.
  - c. In case of cold storage and CA store projects – Data sheet, Certificate from Engineer/Architect regarding adoption of technical standards and protocol as per GOI guidelines should be part of the project. The details like business model (rental, arbitrage etc.), backward, forward linkages, number of crops to be stored (month wise), capacity utilization vis-à-vis breakeven point and viability of the project.

Shri Devesh Chaturvedi, Additional Secretary, in his concluding remarks stated that MIDH should carry out a study of all the centres of excellence on performance outcome like impact of the trainings, planting material and demonstrations, actually accrued in the field benefitting the farmers. He also stated that success story about impact of establishment of CA stores under MIDH on Apple growers should be documented.

The meeting ended with a vote of thanks to the Chair.

**Meeting of the Empowered Monitoring Committee (EMC) of Mission for Integrated Development of Horticulture (MIDH) held on January 17, 2019**

<b>S. No.</b>	<b>Name and Designation</b>	<b>Organisation / Department</b>
1.	Shri Devesh Chaturvedi, Additional Secretary (Horticulture)	Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW)
2.	Shri Dinesh Kumar, Joint Secretary (MIDH)	DAC&FW, New Delhi
3.	Shri Kedar Nath Verma, Deputy Secretary (MIDH)	DAC&FW, New Delhi
4.	Shri M. K. Mishra, Deputy Secretary (MIDH)	DAC&FW, New Delhi
5.	Shri M. A. Qadiri, Director	Horticulture, Jammu & Kashmir
6.	Dr. M. M. Sharma, Director Horticulture	Department of Horticulture, Himachal Pradesh
7.	Dr. B. L. Sarswat, Director	NBB, DAC&FW
8.	Shri Devinder S. Thakur, SHM	Department of Horticulture, Himachal Pradesh
9.	Shri Surendra Sehgal, Director	NCDC, Hauz Khas, New Delhi
10.	Shri Pushpendra Arya, Joint Director	National Horticulture Board, Gurgaon
11.	Dr. N. K. Patle, Deputy Commissioner (Hort.)	DAC&FW
12.	Dr. C. B. Singh, Assistant General Manager	APEDA, New Delhi
13.	Shri G. Joshi, Under Secretary	Ministry of Food Processing Industries
14.	Shri Dhruv Kumar, US(MIDH)	DAC&FW, New Delhi
15.	Dr. Rajesh Kr. Singh, AD (Seed)	Seed Division, DAC&FW
16.	Dr. M. Verma, AC	NRM Division, DAC&FW
17.	Shri S. S. Ganvit, Jt. Director of Horticulture	Horticulture Department, Gujarat
18.	Shri P. K. Kevadia, ADH(SHM-Gujarat)	Agriculture & Co-op. SHM, Gujarat
19.	Dr. R. P. Gupta, Chief Consultant (MIDH)	DAC&FW, New Delhi
20.	Shri S. N. Srivastava, RP (MIDH)	DAC&FW, New Delhi
21.	Shri S. K. Kaul, Assistant Commissioner (MIDH)	DAC&FW, New Delhi