



Mission for Integrated Development of Horticulture Implementation Guidelines 2015-16



HORTICULTURE

**WEALTH TO THE
FARMER**

**HEALTH TO THE
NATION**

DEPARTMENT OF HORTICULTURE
Govt. of Telangana
Public Gardens, Hyderabad

REJUVENATION ACTIVITY- VIKARABAD FARM, RANGA REDDY DIST. AS FRONTLINE DEMONSTRATION



MISSION FOR INTEGRATED
DEVELOPMENT OF HORTICULTURE
(MIDH)

IMPLEMENTATION GUIDELINES
2015-16

DEPARTMENT OF HORTICULTURE
TELANGANA

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NON-NEGOTIABLES FOR IMPLEMENTATION OF MIDH SCHEMES 2015 – 16

1. Identification of beneficiaries should be done in Grama Sabha through selection committee as per guidelines given under each scheme.
2. Identification of beneficiaries as per targets allotted to be completed as per season only.
3. It should be ensured that **15.44 % and 9.34 % funds are to be targeted for SC and ST farmers respectively** and **33% of budget allocation** should be earmarked exclusively **for women** beneficiaries/ farmers.
4. Only Cluster approach will be adopted with a minimum area of 10 Ha in each cluster for one crop for easy monitoring.
5. After identification of beneficiaries under each scheme training to be organized at field level..
6. Approval of District Mission Committee (DMC) is mandatory for implementing the schemes, issue of Administrative sanctions and release for all the SHM schemes under MIDH. DDH is the district head who is responsible for obtaining DMC approval.
7. Filing of applications in Hortnet is mandatory for all components for release of funds..
8. The plantation should be taken up in cluster mode only, assured irrigation source & integration with Micro Irrigation is non-negotiable.
9. Plant material for Area expansion programme has to be procured on priority from the accredited Govt. nurseries/ SAUs / ICAR institutes.
10. Awareness programmes should be organized under Post harvest management.
11. The Projects proposed under Post Harvest Management should be linked up with farmers, corporate retail outlets, processing units and exporters so that the losses / wastage of the horticulture produce are minimized and all the details shall be incorporated in the project proposals.
12. Proposal for project based components should be sent after approval of DMC and such proposals should be sent to Head office as per timeline indicated.
13. To ensure transparency separate account should be maintained at District Level for collection of non subsidy.
14. All the identified beneficiaries should have a valid bank account. Otherwise they have to open a bank account. The bank account number, IFSC code etc have to be verified by the ADH/HO concerned personally before updating in Hortnet.
15. ADHs should ensure the bills produced by the beneficiaries are from the registered firms/companies, before forwarding release proposal to head office through DDH.
16. The assistance will be given taking family as a unit.
17. It is the responsibility of DDH to update the progress reports on 2nd of every month. It is compulsory.
18. Bounded hard copies of all the schemes implemented in the districts along with the photographs have to be kept in office. Photographs have to be uploaded in website.

19. It is mandatory to submit the success stories / case studies of each year along with photographs.
20. Bi monthly district monitoring committee meeting to be convened under the chairman ship of District Collector with all the members.

**GUIDELINES FOR SELECTION OF BENEFICIARIES FOR DIFFERENT SCHEMES
BEING IMPLEMENTED UNDER MIDH 2015-16**

GENERAL: (Common to all components and activities)

1. Potential Villages are to be identified (species & crop wise) in cluster mode with convergence of allied Departments.
2. Wide publicity to be given in the above identified locations / areas on benefits / facilities being provided by the department through local news papers, electronic media, pamphlets, display on the notice board of Z.P.Ps / M.P.Ps / Village Panchayats.
3. Approved schemes, assistance provided and locations identified are to be clearly explained in the meeting of DRC / Z.P.Ps / M.P.Ps and other coordination meetings with allied departments.
4. Success stories to be sent to DPRO for publicity.
5. The selected farmers shall be explained the package of practices to be adopted for the species selected under all schemes with literature.
6. Due preference shall be given to SF / MF, SCs, STs and Women as per the norms in selection process.
7. During selection care should be taken to ensure that amounts indicated in the AAP under SCSP&TSP are to be allotted to SC/ST farmers only and 33% of the budget allocation should be earmarked exclusively for women beneficiaries. No deviation is permitted.
8. The HOs / ADHs shall hold village wise meetings involving progressive farmers, Gram Sarpanch and Village Secretary and finalize the list based on the norms prescribed for different schemes implemented in the districts.
9. After selection and verification of the required documents the list of beneficiaries shall be placed before DMC for approval. After approval by the DMC, administrative sanction to the beneficiary shall be issued through the District Collector only.
10. DMC approval has to be obtained by the District Committee for additions /deletions to the approved beneficiary list.
11. DMC meeting should be organized at least once in every two months and minutes to be sent to SHM for record purpose and release of funds etc.,

12. Filing of Applications through Hortnet is mandatory for all Components.
(Stage wise procedure is give below)

- a) The Horticulture Officers (Extension)/ Horticulture Consultants / Field consultants are responsible for filing of applications pertaining to their respective jurisdiction and completion of the process till acceptance stage in Hortnet.
- b) It is the responsibility of the ADH concerned to verify all the details filled in by the HOs and approve the eligible applications without any wrong entries and forward to DDH.
- c) After approval by the DDH, the webpage pertaining to the list of applicants for obtaining Administrative sanction should be sent to the District Mission Committee for approval. And ink signed copy of the webpage should be sent to Head office along with minutes of DMC approval. After DMC approval Administrative sanction proceedings should be issued to the concerned, a copy of the proceeding in Telugu should be sent to the farmer with the unit cost subsidy details etc.,
- d) Soon after execution / grounding of the scheme , the real time photographs of the scheme implemented in three stages i.e., before execution, during execution & after execution should be uploaded in the Hortnet.
- e) After receipt of real time photographs on the Hortnet, the webpage pertaining to the list of beneficiaries for release of eligible subsidy should be submitted to DMC for approval. And ink signed copy of the webpage should be sent to Head office for release of funds.

PLANTATION INFRASTRUCTURE & DEVELOPMENT

Production of planting material

i) Hi Tech Nursery

Total Unit Cost: Rs. 25.00 lakh/ha

100% to public sector limited to Rs.100 lakhs per unit up to a maximum of 4 Ha. In case of private sector, credit linked back-ended subsidy of cost, @ 40% of unit cost subject to a maximum of Rs. 40.00 lakh/unit, as project based activity on prorated basis.

Each nursery will produce a minimum of 50,000 number of grafts per Ha of mandated perennial fruit plants/tree spices/plantation crops per year, aromatic plants, duly certified for its quality by concerned agency.

Detailed component wise breakup, technical specifications and guidelines will be communicated separately.

ESTABLISHMENT OF NEW GARDENS

Objective:

- To bring additional area under identified Fruit crops (Perennial / Non- perennial) with improved varieties / hybrids.

Non-negotiable under SHM 2015-16 for the Component Area Expansion

1. District Horticulture Mission should ensure that Area Expansion (Perennial fruits / Non-perennial fruits) programme to be implemented on cluster approach in a contiguous area, instead of doing it in scattered & unplanned manner.
2. Minimum area per each block should be above 10 Ha for better monitoring.
3. New clusters & new beneficiaries shall be selected under these programmes as per area specific and climate specific crops.
4. The assistance under these components shall **not** be extended to the beneficiaries already covered during previous years. The ADHs & HOs should be cautious while selecting the beneficiaries.
5. H.E.O./Horticulture Officers of the concerned area should obtain applications from identified beneficiaries along with photograph of self and without plantation in the existing format prescribed.
6. The farmers who are having assured source of irrigation and power supply are only selected & Micro irrigation should be integrated for better survival of plantations.
7. The farmers can apply in person or register online directly through Hortnet .
8. Land holding of the farmers should be certified by Horticulture Officers on the basis of the original Pattadar pass book or Adangal signed by MRO or computer pahani obtained from Mee Seva.
9. The HO concerned should maintain Register for recording the details of identified beneficiaries i.e. land details/crop/variety/source of plant material/ date of planting /inputs supplied/non subsidy particulars/Bank account No. and IFSC code etc.
10. ADH shall organize training programmes to the beneficiaries identified under Establishment of New Gardens, on all aspects of Package of practices followed for specific crops.
11. HO should inspect 100% fields identified under his jurisdiction before sanction of the scheme and he himself should satisfy on soil suitability and availability of water and authorized power connection before recommending. Whereas, ADH should inspect a minimum of 25% of the identified or sanctioned fields under his/her jurisdiction before forwarding application to DDH for sanction.
12. Selection, documentation and Hortnet registration process should be completed in a time bound manner and seasonality must be adhered to, for plantation & utilization of inputs at any cost.

13. Before permitting the beneficiaries to start land preparation, pitting etc, the DDH should ensure to take approval of DMC for the selected beneficiaries.
14. DDH should ensure proper documentation and registration in Hortnet of various stages of implementation (viz., land preparation / pitting, planting & installation of micro irrigation system etc. along with necessary photographs) by the HOs concerned.
15. Intercropping shall be encouraged in all perennial orchards with region specific intercrop as they contribute to soil fertility and income during gestation period.
16. After the completion of plantation, H.E.O/HO concerned should inspect the fields and collect all the required bills / invoices / vouchers from the concerned farmers, and upload in the Hortnet after proper scrutiny.
17. All such uploaded bills should be forwarded to the DDH login. In turn the DDH will compile all the bills in his login and obtain financial approval of DMC. After approval of DMC the same may be forwarded to ED login for release of payment.
18. **The assistance will be provided to the beneficiaries / agency / firm after filing of all mandatory details in HORTNET.**

A. Supply of Plant Material:

1. Priority should be given for supply of plant material from tied-up Horticultural farms / Research stations of PJST Agril. University / SKLTS horti. University.
2. However, farmers shall be permitted to purchase plant material from private nurseries under following circumstances.
 - ✓ Where ever farmer's choice variety is not available in tied-up Horticultural farms / Research stations.
 - ✓ In cases where short fall of plant material is identified in tied-up nurseries
 - ✓ In case of crops for which tied-up arrangement is not made.
3. In cases when plant material is supplied from Department Horticultural farms, the assistance amount towards plant material shall be directly released to the Horticultural farms by the DDHs duly obtaining necessary bills/invoices from the farm in-charge.
4. In cases when plant material is purchased by the farmers from Research stations or from Pvt. Nurseries, the DDH/ADH shall release the plant material assistance to the farmers as per the recommendation and certification of HO concerned on bills/invoices submitted by the farmers.
5. In case of TC Banana, the list of accredited Labs with DBT, GOI under NCS - TCP **shall be given to the farmers for procuring the plant material.**
 - ✓ The beneficiary shall procure the plant material by incurring full cost from T.C. Labs out of his own choice from the approved list and assistance (cash) will be transferred to the beneficiaries account.
6. Amount shall not be paid to the private nurseries directly.

B. Inputs like Vermicompost, FYM, Irrigation, Inter crop, Labour Charges, etc.,

Assistance pertaining to Vermicompost, FYM, irrigation, inter crop, labour charges, fertilizers (organic and inorganic) and other inputs like bio fertilizer, bio-pesticides, PP chemicals, Micro nutrients etc., shall be given to the farmers in the form of cash through online transfer.

C. Implements

The prices for the supply of garden tools under Area Expansion for the year 2015-16 will be communicated separately.

Norms and Pattern of Assistance for Area Expansion (I-Year & II Year Maintenance)

- The Pattern of Assistance under MIDH for Area Expansion Programme is given below:

S.No	Crop	Unit Cost (in Rs per Ha)	Assistance (in Rs. Per Ha)	
			I Year (2015-16)	II Year (2014-15)
1	Banana TC (1.8m x 1.8m)	102462	30739	10246
2	Papaya (1.8m x 1.8m)	61655	24662	--
3	Mango (5m x 5m)	41000	9840	3280
4	Mango (2.5m x 2.5m) / (3 m x 2m)	112000	26880	8960
5	Citrus (Sweet orange/Kinnow/ Mandarin /Acid lime) (6m x 6m)	40008	9601	3200
5	Guava (3m x 3m)	73327	17600	5866
6	Guava (2m x 1m)	200000	48000	16000
7	Apple Ber (5x5 M)	35000	8400	2800
8	Fig (2.5 x2.5 M)	83000	19920	6640
9	Custard Apple (2.5x2.5 M)	106000	25440	8480
10	Pomegranate (5m x 3m)	66680	16004	5334
11	Bulbous Flowers - SF & MF	150000	60000	--
12	Loose Flowers - SF & MF	40000	16000	--

Note:- The operational guidelines will be communicated separately

3rd Year maintenance of plantations established during 2013-14

- The beneficiaries have to take up gap filling on their own to maintain 90% of the survival garden under 3rd year maintenance.

B) PATTERN OF ASSISTANCE PER Ha. TO BE FOLLOWED FOR 3rd YEAR MAINTENANCE PROGRAMME (GARDENS ESTABLISHED DURING 2013-14)

S. No.	Name of the crop	Plant Material	INM	IPM	Total Assistance
1	2	3	4	5	6
1	Mango (7.5 m x 7.5 m)	328	3422	1650	5400
2	Mango (5 x 5 m)	405	4875	2220	7500
3	UHDP Mango and Guava (2.5 x 2.5m)	2160	4340	1500	8000
4	Sweet Orange (5 m x 5 m)	480	5295	2225	8000
5	Sweet Orange (6.3m x 6.3m)	563	3037	1400	5000
6	Acid Lime (5 m x 5 m)	210	4915	2375	7500
7	Acid Lime (6.3 m x 6.3 m)	225	3075	1700	5000
8	Pomegranate	675	4750	2075	7500
9	Cocoa (3 m x 3 m) (in acre)	88	1575	937	2600

- The assistance will be provided in the form of cash to the beneficiaries through online transfer from the concerned District Head.
- While calculating the total cost as per the package, the subsidy amount indicated for each sub-component under IPM / INM should be strictly followed and no diversification of funds from one input to another is allowed i.e., from Bio pesticide to chemical pesticide/organic manures to inorganic fertilizers etc.
- Before extending input assistance to the beneficiaries under 2nd and 3rd year maintenance, DMC should take necessary proactive steps so that beneficiary shall be motivated to take up gap filling on his/her own to maintain 75% and 90% survival respectively.
- The identified beneficiaries should be uploaded in the HORTNET and the release of subsidy will be through online transfer.

REJUVENATION OF OLD & SENILE ORCHARDS

Objective:

- To increase the production and productivity of orchards of more than 25 years old by removal of old unproductive / senile trees and replanting with fresh planting material / rejuvenating the old and senile orchards with appropriate and integrated combination of inputs, pruning / grafting techniques.

Non-negotiable under SHM 2015-16 for the Component Rejuvenation

- District Horticulture Mission should ensure that Rejuvenation programme to be implemented on cluster approach in a contiguous area, instead of doing it in scattered & unplanned manner. This approach will help in providing both backward and forward linkages and enable the Dept., to do effective extension service.
- Minimum area per each block should be above 10 Ha.
- New clusters & new beneficiaries shall be selected under these programmes as per locations specific crops.
- The assistance under these components shall not be extended to the beneficiaries already covered during previous years. The ADHs & HOs should be cautious while selecting the beneficiaries.
- The beneficiary selection need to be done in most transparent manner by conducting Gramasabhas and the list should invariably be approved by District Mission Committee.
- Coverage of SC/ST & Women farmers as per the prescribed ratio is minimum mandatory requirement under these components.
- Horticulture Officers of the concerned area should obtain applications from beneficiaries along with photograph of self and without plantation in the existing format prescribed.
- The farmers who are having assured source of irrigation and power supply are mandatory
- Land holding of the farmers should be certified by Horticulture Officers on the basis of the original Pattadar pass book or Adangal signed by MRO or computer pahani issued by Mee-Seva.
- The prices for the supply of garden tools under Rejuvenation for the year 2015-16 will be communicated separately.
- **The assistance will be provided to the beneficiaries through online transfer.**

Sl.No.	Item	Max. permissible cost	Pattern of Assistance
1	Rejuvenation / replacement of senile plantation, canopy management	Rs. 40,000/ha	50% of the total cost subject to a maximum of Rs. 20,000/ha limited to two ha per beneficiary.

CRITERIA FOR SELECTION OF GARDENS FOR REJUVENATION PROGRAMME

- Unproductive gardens due to local varieties.
- Senile and Non-Maintained Gardens.
- Pests & disease infected Gardens.
- Gardens with less number of trees in unit area with poor production.
- Age of Mango gardens for implementation of Rejuvenation programmes should be above 20 years.

IMPLEMENTATION PROCEDURE FOR REJUVENATION PROGRAMMES

- Under Rejuvenation Programme the assistance for the components like Plant material, inputs like PP chemicals plant growth regulators, micro nutrients etc and Labour charges will be done in the form of cash through online transfer to the beneficiaries through ADHs.
 - Area proposed for Rejuvenation programme shall invariably be identified by a Committee consisting of ADH, H.O. and local scientists of Agriculture / Horticulture University (ARS / KVK).
 - The villages where there are large areas of old unproductive & senile Mango plantations exist should be selected for Rejuvenation programmes.
 - Identified area shall be in a cluster mode with a minimum of 10 Ha. in single area / village. The assistance of Rejuvenation programmes shall not be extended for those plantations which are in scattered area.
 - Farmers identified for rejuvenation in a village should be organized into common interest groups to take forward the initiative beyond one year as this will facilitate capacity building through training.
 - Before finalizing the beneficiaries, ADH should get satisfied with the interest and conviction of the farmer on the concept and need for rejuvenation.
 - Only those farmers who come forward to take up pruning, basin formation, application of Bordeaux paste and other such activities with their own cost are to be selected.
 - Time frame for taking up rejuvenation in Mango is June
- ADH should ensure to conduct a basic data survey for recording where Rejuvenation is proposed to be taken up.

1	Name of the Farmer	7	Total Extent Ha.
2	Father's / Husband's Name	8	Age of the Garden
3	Village	9	Extent Proposed for Rejuvenation (Ha.)
4	Mandal	10	No. of Trees existing in the garden proposed for Rejuvenation
5	Category	11	No. of gaps identified for gap filling
6	Survey No.	12	Yield status of the crop during last year

- Intensive awareness and capacity building through audio visual aids and village level farmers workshop should precede actual implementation of Rejuvenation Programmes. Training / Awareness budgets given to the districts should be dovetailed to this purpose.
- Field level training program shall be conducted to all the identified beneficiaries on the mode & sequence of events of Rejuvenation with the help of resource persons / experienced progressive farmers. If required, the farmers shall be taken to the fields / villages where rejuvenation programme is successfully implemented due to which productivity is increased.
- Since the targets are relatively less under this program, preference shall be given to small and marginal farmers in the order of priority to SC/ST/women/ others.
- Horticulture Officer should maintain a register for rejuvenation in which details of assistance provided under MIDH, item-wise, to be recorded.
- Rejuvenation is an integrated component and ADHs shall strive to implement the program in totality and in holistic manner and not in bits & pieces.
- The H.O.s should take the photographs of the orchards to be rejuvenated in three stages as detailed below and should submit the same to SHM Cell through ADH/DDH for documentation purpose.
- The HOs should also collect the yield data and the impact of the rejuvenation programmes from the farmers and submit to SHM Cell through ADH.
 - Before taking up the rejuvenation
 - During rejuvenation (different stages)
 - Orchards in bearing conditions after rejuvenation.
- The DDH should record the success stories of the rejuvenation programme in their district as the same has to be submitted to NHM, GOI, every year and the same to be depicted at HRCs.

PROTECTED CULTIVATION - 2015-16

POLY HOUSES / SHADENET HOUSES / MULCHING:

Objectives:

- Enhancing productivity per unit area.
- Promotion of high value Horticulture crops under poly houses/Shade Net Houses.
- Propagation of planting material to improve germination percentage and better hardening.
- Year round production of floricultural crops and off season production of vegetables & fruit crops.

Points to be considered while constructing green house:

East and South for the sun is excellent for the green house, which can remain open on both these sides, but it should be shaded on the north and the west to protect from winds.

- The site should be free from shadow.
- The site should be at a higher level than the surrounding land with adequate drainage facility.
- Availability of good quality irrigation water and electricity.
- pH of irrigation water should be in the range of 5.5 to 7.0 and EC between 0.1 to 0.3mS/cm.
- pH of soil should be in the range of 5.5 to 6.5 and EC between 0.5 to 0.7mS/cm.
- Structure should withstand to minimum wind velocity of 80.6 miles per/hr or 130 Km/hr or 36 Meter per second.

A. General Guidelines:

I. Procedure to apply for assistance (Under Self-finance cases / Under bank finance)

1. All the cases must be entertained through online on HORTNET in case assistance is to be availed under MIDH scheme.
2. The cases shall be entertained on First Come First Serve Basis.
3. The applicant shall be responsible for the completion of all required documents. Incomplete documents does not entitles applicant to avail assistance. The application shall be considered only after submission of all the documents.
4. Farmer will apply to concerned PD/DDH office through HO of concerned block with complete required documents as per check-list.
5. Headquarter will scrutinize the cases and recommend to accord approval for release of assistance under this component.
6. PD/DDH will issue sanction letter after approval from HQ.
7. In case under Bank finance the PD/DDH will verify the documents, if found, as per check-list and will send second copy to the bank with pre-sanction letter to bank for sanctioning the loan of the project in front ended credit linked project.

8. Bank after sanctioning the loan amount of project will send a copy of sanction letter and appraisal report to PD/DDH for the sanction of project. The date of receiving of appraisal report in PD/DD office shall be treated as first day of application and will be considered based on available targets.
9. PD/DDH will forward all the cases online on HORTNET to headquarter with his/her recommendation as per allocation of funds.
10. Headquarter will scrutinize the cases and accord sanction for release of assistance under this component.

II. Eligibility Criteria for applicant:

11. Minors are not eligible.
12. Only farmer of Telangana state can be a beneficiary under the schemes. The document viz. Ration card/voter card/Aadhar card/Domicile/Passport etc. is required.
13. Farmer means a person having land ownership in one's name. For this he has to submit Land Records: Original Pattardar Pass book/ Computer pahani (Latest by three months) Land verification report by Patwari and VRO. All the documents submitted shall latest not more than three months old.
14. Farmer includes farmer's family, means husband, wife and their minor children. Ration card is required to prove family unit.
15. The adult son/daughter or in case of his/her death, his/her widow/widower and children shall be deemed to be living with the parents or either of them. The adult son/daughter shall only be considered as separate unit only when separated from parents. It means they live separate from parents and this can be verified by means of Adhaar card and/or Voter ID Card or Driving License or separate ration card having in all the cases separate address to that of their parents.
16. Department promotes cluster and for that farmers of Telangana State can take land on lease. But in all such cases the cluster projects should be bankable. The combined amount of assistance to such cluster projects should not increase 20% of the total financial targets of that district.
17. Only those applicants are eligible to apply who did not availed assistance on account of Protected Cultivation in his/her name/spouse name or in name of dependent member of his/her family from any Government agency. Further those applicants or dependent family members who have been availed assistance under this component at anytime, anywhere in Telangana State are not eligible.

III Training: Minimum three days training-cum-workshop regarding awareness on Protected Cultivation, issues related to Cultivation, Construction and Maintenance of Poly houses is required. A certificate to this effect shall be issued by RHTIs. Training certificate is mandatory before release of assistance on account of cost of cultivation.

IV. Construction of Protected Structures: The work of construction of protected structures shall be completed within a period of **90 days**. Further, an extension of maximum 30 calendar days may be considered in advance in writing.

V. Assistance Limit: The assistance shall be applicable as per norms given below:

VI. Pattern of Assistance:

Sl.No.	Item	Estimated unit cost	Pattern of Assistance
1	Poly House Structure		..
	a. Fan & Pad system		
		Rs.1650/Sqm (up to area 500 Sq.m) Rs.1465/Sq.m (>500 Sqm up to 1008 Sqm) Rs.1420/Sq.m (>2080 Sq.m up to 2080 Sqm) Rs.1400/Sq.m(>2080 Sq.m upto 4000 Sq.m) Above rates will be 15% higher for hilly areas.	50% of cost for a maximum area of 4000 sq.m per beneficiary.
	b. Naturally ventilated system		
	i) Tubular structure	i. Rs.1060/Sq.m (up to area 500 Sq. m) ii.Rs. 935/Sq.m (>500 Sq. m up to 1008 Sq. m) iii.Rs. 890/Sq. m (>1008 Sqm up to 2080 Sq. m) iv.Rs. 844/Sq. m (>2080 Sq. m up to 4000 Sq. m) Above rate will be 15% higher for hilly areas	50% of cost limited 4000 sq. m per beneficiary.
	ii) Wooden structure	Rs. 540/Sq. m and Rs. 621/Sq. m for hilly areas	50% of the cost limited to 20 units (each unit not to exceed 200 Sqm per beneficiary).
2	Shade Net House		
	(a) Tubular structure	With plastic top as addition: >4.00m height - Rs.710/Sqm	50% of cost limited to 4000 Sq.m. per beneficiary.

		Dome shape; >4.00 m height – Rs. 600/sqm	50% of cost limited to 4000 Sq. m. per beneficiary.
		Flat shape-all GI; 4.0 m height – Rs. 550/sqm	50% of cost limited to 4000 Sq. m. per beneficiary.
		Flat shape-Cable purlin, 4.0 m ht. – Rs. 525/sqm	50% of cost limited to 4000 Sq. m. per beneficiary.
	(b) Wooden structure	Rs. 492/Sqm and Rs. 566/Sqm for hilly areas	50% of cost limited to 20 units (each unit not to exceed 200 Sq.m) per beneficiary.
3	Cost of planting material of high value vegetables grown in poly house	Rs.140/Sq. m	50% of cost limited to 4000 Sq.m per beneficiary.
4	Cost of planting material & cultivation of Orchid & Anthurium under poly house /shade net house.	Rs. 700/Sqm	50% of cost limited to 4000 Sq. m per beneficiary.
5	Cost of planting material & cultivation of Carnation & Gerbera under poly house/shade net house.	Rs. 610/Sqm	50% of cost limited to 4000 Sq. m per beneficiary.
6	Cost of planting material & cultivation of Rose and lilum under poly house/shade net house	Rs. 426/Sqm	50% of cost limited to 4000 Sq. m per beneficiary
7	Plastic Mulching	Rs. 32,000/ha and Rs. 36,800/ha for hilly areas	50% of the total cost limited to 2 ha per beneficiary.

Terms & Conditions:-

- The estimated project details designed by the technical consultant as per technical standards of MIDH should be attached to the application.
- Soil and water analysis reports from reputed labs are also to be enclosed to the proposal.
- Protected Cultivation of vegetables should be promoted under MIDH in clusters around major cities/metros. These clusters may be provided with other infrastructural facilities like pre-cooling units, cold storages, refer vans, vending carts etc. and marketing arrangements may be tied up by linking with cooperatives / private retail chain.

- Farmer/Firm is responsible for the erection of the Poly House / Shadenet House / inset net house.
- Erection should be carried out by the companies empanelled by the Department.
- A display board depicting “Department of Horticulture”, Telangana State (Assisted Green House with logo of NHM).
- Subsidy will be released through online transfer to the beneficiary/Firm, after joint inspection by the committee members.
- Assistance should not be availed from any Government department. An affidavit duly notarized Rs. 100 stamp paper (format enclosed) to be collected from the farmer along with the proposal.
- Under Poly House flowers, vegetables, medicinal and aromatic plants, spices etc. should be considered for cultivation.
- The proposals for construction of Poly House / Shadenet house may also be implemented in project mode with credit link back ended subsidy.
- Under Shade nets the percentage of shade is 35 to 75 % should be used.
- Documentation with photo graphs to be done at various stages of erection of Poly House / Shadenet House and submit to State MIDH cell along with joint inspection report duly indicating the Name of the beneficiary, Extent, Village and Mandal.
- The photograph should clearly depict the board, unit, farmer and also committee members of joint inspection team.

Constitution of Joint Inspection Committee for Poly House & Planting Material under Protected Cultivation:-

PD/DDH shall organize Joint inspection of the Poly House / Shadenet House duly constituting a committee with the following members for approval of state cell:

1. PD / DDH
2. Assistant Director of Horticulture (concerned)
3. Horticulture Officer (Concerned)
4. MI Engineer.
5. Banker (in case of bankable project).

The joint inspection report should be sent in format with all necessary certifications. If any of the committee members has not attended the inspection, PD/DD shall give reasons for not attending the joint inspection.

**WORK FLOW & CHECK LIST FOR DOCUMENTS TO BE SUBMITTED TO POLY
HOUSE / SHADENET HOUSE**

Sl.No.	Description	Documents to be submitted by / Action to be taken
1	Application Form –Format-I	Farmer
2	Soil & Water Analysis Water Report	
3	Affidavit – Format – II	
4	Pattadar Pass Book Copy	
5	Project Estimate	
6	Organization of training programme / Field Visit	HO / PD/DDH
7	Application filling in Hortnet	Farmer / HO
8	District Mission Committee Approval	PD/DDH
9	SLEC Approval	State MIDH cell
10	Issue of Administrative Sanction- Format – III	CoH
11	Erection of Poly House (empanelled list will be communicated)	Farmer/Firm
12	1 st Joint Inspection after foundation	PD/DDH &HO
13	Completion & Under Taking – Format – IV	Farmer & Fabricator
14	Submission of bills & invoices	Farmer / HO
15	Constitution of Joint Inspection Committee	PD/DD
16	Final Joint Inspection Report - Format - V	Committee Members
17	Sending of joint inspection report by obtaining DHM approval for sanction and release of assistance along with photo graphs to state MIDH cell for release.	PD/DDH
18	Uploading the bills and field photos in Hortnet	PD/DDH
19	Release of subsidy to the beneficiary through online transfer (Hortnet)	State MIDH cell

Cost of Planting Material of High Value Vegetables & Flowers grown in Poly Houses

Cultivation of High value Vegetables & Flowers is cost intensive hence provision is made for meeting the cost of cultivation under Poly Houses & Shadenet houses which includes cost of planting material and inputs.

Terms & Conditions:

- Assistance should be extended for High value flowers and vegetables under Poly houses.
- Preference may be given to the farmers who have availed assistance for erection of Poly House under MIDH.
- DMC approval has to be obtained for the identified beneficiaries.
- Subsidy will be released through online transfer after joint inspection by the committee members and also uploading the bills and field photos in Hort net.
- In case if the same farmer utilizes both the subsidies under Poly House and Cost of Planting material, a display board depicting logo of NHM and “Department of Horticulture” & MIDH assisted Poly House with planting material should be displayed. If the farmer has erected Poly House without any assistance from MIDH then the board should depict logo of NHM and Department of Horticulture & MIDH assisted planting material.
- Documentation through photo graphs at the time of planting and at the time of harvesting.
- Photographs should clearly depict the unit, plant material grown, Display board, farmer and all members of joint inspection team.

Indicative cost for Cultivation of Flowers & Vegetables under Poly Houses :

Sl.No	Crops		Total Unit Cost (Rs. /Sq.mtr)	Pattern of Assistance (Rs./ Sq.mtr)
1	Vegetables	Capsicum	Rs. 140/-	50% of cost limited to 4000 sq.mtr per beneficiary
		Tomato	Rs. 140/-	
2	Flowers	Rose	Rs. 426/-	50% of cost limited to 500 sq.mtr per beneficiary
		Gerbera & Carnation	Rs. 610/-	50% of cost limited to 4000 sq.mtr per beneficiary
		Orchid & Anthurium	Rs. 700/-	

**WORK FLOW & CHECK LIST FOR DOCUMENTS TO BE SUBMITTED FOR AVAILING
SUBSIDY FOR PLANTING MATERIAL**

Sl.No.	Description	Documents to be submitted by / Action to be taken
1	Application Form –Format-I	Farmer HO/Farmer
2	Soil & Water Analysis Water Report.	
3	Pattadar Pass Book Copy	
4	Registration in hortnet	
5	District Mission Committee Approval	PD/DDH
6	Issue of Administrative Sanction	PD/DDH
7	Planting	Farmer
8	Submission of bills / invoices	Farmer / HO
9	Constitution of Joint Inspection Committee	PD/DD
10	Joint Inspection Report – Format -V	Committee Members
11	Sending of joint inspection report to State office for release of Subsidy	PD/DDH
12	Obtaining DHM approval for sanction and release of assistance	PD/DDH
13	Uploading the field photos and bills in Hortnet	PD/DDH
14	Online transfer of assistance to beneficiary	State MIDH Cell

MULCHING

Mulching is a practice followed for conservation of moisture, to check weed growth and to improve the quality and quantity of Horticulture produce.

Thickness of Film:

In plastic mulching, the thickness of mulch film should be in accordance with type & age of crops. Economics suggest that the film thickness should be the minimum possible commensurate with desired life & strength. The recommended thickness of mulch films for different crops is as under:

Thickness (microns)	Crops Recommended
20-25	Annual - short duration crops
40-50	Biennial - medium duration crops
50-100	Perineal - long duration crops

Extent of Surface to be Covered under Film:

% Coverage	Crops Recommended
20-25	All creeper crops
40-50	Initial stage of orchard crops
40-60	Fruit crops & cucurbitaceous
70-80	Vegetables, Papaya, pineapple etc.
90-100	Soil Solarization

Mulching area should preferably be equivalent to the canopy of the plant (larger the canopy, larger the area of mulching and vice versa).

Terms & Conditions:

1. Farmers once availed subsidy is not eligible.
2. 50% cost limited with maximum limit is 2 ha / beneficiary.
3. The selected beneficiaries should be given training programme on concept of Mulching, benefits of mulching, selection of mulch sheet, quantity required and gauge of mulch sheet.
4. **Farmers will be given choice to procure the mulching sheet of their own choice by incurring full cost of mulching material. After verification of the vouchers and physical verification in the field, the assistance will be online transferred to the farmers account as per the eligibility and cost norms.**
5. A display board depicting "Department of Horticulture" (MIDH, Assisted Green House with logo of NHM).
6. Only Horticulture Crops are eligible for assistance.
7. The scheme shall be implemented for promoting intensive cultivation of vegetables in a cluster mode by giving due priority to SF / MF and SC & ST.

**WORK FLOW & CHECK LIST FOR DOCUMENTS TO BE SUBMITTED FOR
MULCHING**

Sl.No.	Description	Documents to be submitted by / Action to be taken
1	Application Form –Format-I	Farmer
2	Pattadar Pass Book Copy	
3	Application registration in Hortnet	
4	District Mission Committee Approval	HO/Farmer
5	Organization of Training Programme to identified beneficiaries	PD/DDH
6	Issue of Administrative Sanction	HO / PD/DDH
7	Laying out of Mulching	PD/DDH
8	Submission of bills and raising of invoice	Farmer
9	Obtaining DMC approval for sanction and release of assistance	Farmer / HO
10	Sending of proposals to State MIDH Cell for release of Subsidy	PD/DDH
11	Uploading the bills and field photos in Hortnet for release of subsidy	ADH
12	Online transfer of assistance to beneficiary	HO/ADH
		State MIDH cell

FORMAT – I

Application for Availing Assistance / Subsidy Under MIDH
Through State Horticulture Mission

Recent Passport Size Photograph

Name of the Scheme: Protected Cultivation

Component: POLY HOUSE / SHADENET HOUSE / MULCHING / PLANT MATERIAL

1	Name of the Farmer	:	
2	Father / Husband Name	:	
3	Caste (SC/ST/BC/OC)	:	
4	Address	:	
	Phone / Cell No.	:	
5	Land records with Extent in Acres / Ha. (Copy of Pass Book / Computer pahani)	:	
6	Area Proposed in Sq.mtrs./Ha.	:	
7	Account No & Name of the Bank & Address	:	
8	Proposed crop	:	
9	Source of procurement of planting material		
10	Source of Irrigation (Open well / Bore well)	:	
11	Soil & Water Analysis Soil PH & EC Irrigation water PH & EC Soil & Water Analysis reports to be enclosed. (Not needed for Mulching)	:	
12	Estimated cost of the project Details of the project by the technical consultant to be enclosed.		
13	Whether any Govt. Subsidy availed previously	:	
14	Any other relevant information	:	

Declaration

I, _____ declare that the particulars furnished above are true to the best of my knowledge and I promise that the benefit obtained from State Horticulture Mission will be used for the purpose for which it is given and in case of misuse I am liable for any action deemed to be fit by Govt. of Telangana State., including recovery of the subsidy amount with 12% interest to the Government.

Signature of the Farmer / Entrepreneur.

Recommendations of the
Horticulture Officers _____.

Enclosures:

Assistant Director of Horticulture

1. Pattadar Pass Book/Original Computer pahani
2. Detailed Project Estimate
3. Soil & Water Analysis (not needed for Mulching)
4. Affidavit (not needed for Mulching)

FORMAT – II
AFFIDAVIT (Rs. 100/- Stamp Paper)

I / We _____ (Name of the Promoter / Director) son of _____ Father's Name) resident of _____ (residence address) do hereby solemnly affirm and declare here under.

1) That I am the director of _____, (name of the beneficiary) having its registered office at _____, (office address of beneficiary) and am fully aware of the facts relating to the setting up the Green House at _____ (location of the Green House) for _____ (activities to be undertaken by Green House) and the application made to MIDH for availing assistance under Developmental Schemes _____

2) That the terms and conditions of the scheme of MIDH under which an application has been made by the applicant have been properly read and understood by me and I affirm that the Green House / proposal / scheme comply with the terms and condition of MIDH and the application has been made in the correct applicable scheme.

3) That the proposed activities to be undertaken by the Green House / proposal / scheme are covered under the above scheme of MIDH and no part of the scheme / infrastructure of the Green House is designed or assigned to be used for any activity other than the activities specified in the application at present or in the near future.

4) That the information provided in the application for availing assistance under developmental schemes – _____ is true and correct to the best of my knowledge and belief. The estimates of the cost of Green House / proposal / scheme, financial viability and operating results have been worked out / computed as per the rule and generally accepted principles and norms in this regard.

5) No Subsidy / grant – in – aid has been availed by the promoters / directors / partners / proprietors for this new project and component thereof from central Govt. or any its agencies.

6) I / We also solemnly affirm that the proposed activity in the application for availing assistance under development Schemes _____ is a completely new activity and not a pre – existing activity or any Component thereof and further I assure that the unit will be utilized for the same activity for which the assistance is sought from the MIDH through State Horticulture Mission of Telangana for the economic period of 15 years. In case, if the unit is misused I am liable for any action deemed to be fit by the Govt. of Telangana including recovery of the assistance amount extended. The information furnished in the application dated _____ is true to the best of my knowledge and belief and nothing material has been concealed.

7) In case of concealment of any facts in this regard, the MIDH would have right to cancel my application out right at any stage.

8) I will display a sign board depicting “Department of Horticulture“, Telangana State (MIDH, Assisted Poly House) with logo of NHM.

9) The release of subsidy is subject to actual expenditure, receipts, inspection, MIDH norms etc., In case of any discrepancy / dispute the decision of the Mission Director & Director of Horticulture is final.

10) I agree and resolve that the department reserves the right to modify, add or delete any term/ condition without assigning any reason thereof and shall also have right to pre and post inspect / monitor the Ploy House and verify the related records at any time during the economic life of the Ploy House by the concerned officers.

DEPONENT VERIFICATION

Verified on solemn affirmation at _____ that the content of the above affidavit are true to the best of my knowledge and belief and nothing material has been concealed.

DEPONENT / COMPETENT AUTHORITY

(To be signed by Notary with seal)

PROCEEDING OF THE DISTRICT COLLECTOR, DISTRICT

Present :

Proce.No. State Cell-I/ G.H / / 2015,

Dt. 2015.

Sub:- Horticulture Dept- District – State Cell – 2015-16 – Construction of Ploy Houses under Protected Cultivation – Administrative Sanction Orders - Issued.

Ref: 1. Annual Action Plan 2015-16.

2. **Application of Sri..... S/o.(V)**
....., **(M)**District received through **H.O.**,
3. Note Approved by the District Collector,Dist. **Dt.**,

&&&

ORDERS:

Sri....., S/o.(V),(M)
.....**DISTRICT Sy.No.....**, has informed that , you have been selected as beneficiary for Construction of Ploy House under Protected Cultivation under State Horticulture Mission -2015-16 for the construction of Ploy House for,**Sqmt** and the eligible subsidy is 50% of the total Cost subject to a maximum limited to 4000 Sqmts for each beneficiary.

In view of the above, Administrative sanction is by accorded to him for Construction of Ploy House under Protected Cultivation under State Horticulture Mission -2015-16 for the construction of Ploy House for, **Sqmt** and the eligible subsidy is 50% of the total Cost subjective a maximum limited to 4000 Sqmts for the beneficiary duly following the conditions furnished here under to release subsidy by the Department of Horticulture.

The subsidy will be released subject to the following terms & conditions:-

1. The farmer should follow the Technical Specification for construction of Ploy House under Protected Cultivation issued by the MIDH as follows.
2. The farmer should display the board and place in front of the Ploy house. The Logo of NHM and the matter mentioned below.



**Financial Assistance by MIDH & Department of Horticulture
TELANGANA STATE**

Name :	S/o :
Village :	Mandal :
District :	Component :
Area In Sqmt :	Assistance :
	Year of Sanction :

3. The farmer should obtain a certificate undertaking with the following matter from Ploy House fabricated firm "Certified that the material supplied and Constructed the Ploy house as per the guidelines and standard fixed by the MIDH and the area constructed in ----- Sqmts in the field of Sri/ Smt_____ S/o, W/o. _____ in _____ Village of _____ Mandal of _____ DISTRICT. "
4. The farmer should submit affidavit on Rs. 100/- Stamp Paper with notary about the Ploy House constructed by him (Copy enclosed).
5. The beneficiary should undergo 7 days training as per the Schedule given by the PD/DD.
6. Farmer is responsible for the installation of the Ploy House and for the payment to the fabricator.
7. After completion of work the subsidy will be released to the farmers based on the recommendation of PD/DD along with the Joint Inspection team certificate.
8. Subsidy will be released through online transfer to the beneficiary through the PD/DD, after joint inspection by the committee members.

(APPROVED BY THE DISTRICT COLLECTOR,DISTRICT)

Project Director/Deputy Director

..... DISTRICT.

To

Sri..... S/o., (V),, (M)
..... DISTRICT

Copy to Horticulture Officer,....., DISTRICT

Format - IV**Dt:2015**

To
Project Director/Deputy Director
..... District

COMPLETION & UNDERTAKING

This is to certify that as per the guidelines and technical standards of MIDH the construction of Poly House was completed. The following materials were supplied for construction of Poly House in an area of sq.mtrs in..... survey no..... . of Sri....., S/o.....,(V),(M), District

S.No	Name of the Item	Quantity	Rate	Total Amount
1				
2				
3				
4				
5				
	Total			

Signature of Farmer:**Signature :****Name :****Seal :****Cell No. :**

Format – V

FORMAT TO CONDUCT FINAL AND JOINT INSPECTION OF POLY HOUSE / SHADENET HOUSE BY THE COMMITTEE UNDER PROTECTED CULTIVATION COMPONENT OF MIDH THROUGH STATE HORTICULTURE MISSION OF TELANGANA STATE
Name of the Component : POLY HOUSE / SHADENET HOUSE

Sl.No.	Name of the Farmer & Address	Category	Village	Mandal	Survey No.	Area in Sq.mtrs.	Crop	Expenditure incurred by the farmer (Rs.)	Subsidy recommended by the committee (Rs.)	Remarks
1	2	3	4	5	6	7	8	9	10	11

Note : Separate Joint inspection report has to be furnished HO wise for Poly House / Shadenet House.

Certificates:

- 1) This is to certify that the above farmers have installed Poly House / Shadenet House as per the Technical standards of MIDH.
- 2) This is to certify that all the original purchase bills of the items for expenditure incurred as mentioned in column no. 9 have been verified and found correct.
- 3) This is to certify that the above farmers are eligible to avail subsidy of Rs. _____/- as mentioned in column no. 10.
- 4) The subsidy amount of Rs. _____/- may be released

**Promoter
PD/ DDH**

Project Engineer

HO

ADH

Format – VI

FORMAT TO CONDUCT FINAL AND JOINT INSPECTION OF COST OF PLANT MATERIAL AND INPUT OF FLOWERS & HIGH VALUE VEGETABLES BY THE COMMITTEE UNDER PROTECTED CULTIVATION COMPONENT OF MIDH THROUGH STATE HORTICULTURE MISSION OF TELANGANA.

Name of the Component :

Sl. No.	Name of the Farmer & Address	Category	Village	Mandal	Survey No.	Area in Sq.mtrs.	Crop	No. of Plants	Expenditure incurred by the farmer (Rs.)	Subsidy recommended by the committee (Rs.)	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

Note : Separate Joint inspection report has to be furnished HO

Certificates:

- 1) This is to certify that the above farmers have planted flowers / high value vegetables.
- 2) This is to certify that all the original purchase bills of the items for expenditure incurred as mentioned in column no. 10 have been verified and found correct.
- 3) This is to certify that the above farmers are eligible to avail subsidy of Rs. _____/- as mentioned in column no. 11.
- 4) The subsidy amount of Rs. _____/- may be released.

FARMER

HO

PD/DDH

FARMPONDS

1. INTRODUCTION:

Farm ponds are manmade tanks constructed for holding water which could be used during scarce season to ensure lifesaving irrigation for the uninterrupted physiological activities of the crops. Farm ponds are constructed by excavating the soil, by depositing the soil on the bunds and by laying a Geo-membrane HDPE sheet in the excavated tank for preventing the infiltration and seepage.

2. BENEFITS OF POND LINING WITH PLASTICS FILMS:

- Utilization of harvested rain-water for short duration crops even during off season.
- Lining of ponds and reservoirs with plastics film improve water availability over a longer period of time. Reduction in seepage losses to the maximum extent (95%)
- It is highly useful in porous soils where water retention in ponds and water harvesting tanks is minimal.
- Economical and effective method of storing water.
- Eliminates water logging and prevents upward intrusion of salts into stored water.
- Technique is also suitable for lining of effluent ponds and channels to reduce soil and ground water contamination.
- The water from bore wells, canals during the rainy (peak) season can be stored in these ponds and which can be used during lean season.

3. FINANCIAL ASSISTANCE.

- a. Water harvesting system for individuals- for storage of water in 20mx20mx3m ponds /tube wells/dug wells@125/- cum
- b. 50% assistance on total cost including 500 microns **Plastic lining / RCC Lining** will be provided.

4. IDENTIFICATION OF FARMERS:

- The beneficiary should belong to Telangana state only.
- Sensitization and Motivation of farmers by HOs/ ADH to understand the concept and need for farm pond to save the crops indeed shortage of water.
- Beneficiaries to be identified in Grama sabhas. Identified list to be displayed in HRCs/ Grama panchayat
- Preference shall be given to small & marginal farmers and .SC, ST ratio shall be scrupulously followed.
- Beneficiaries having drip irrigation must be selected with orchards/crops
- Online registration of farmer in HORTNET is compulsory.

5. INSPECTION FOR FEASIBILITY:

- The concerned Horticulture Officer along with MI Engineer inspect the farmer site and ascertain the feasibility for construction of farm pond.
- If it is feasible for construction of farm pond Horticulture officer will forward the list of farmers to the ADHs.

6. TRAINING PROGRAMMES:

DDH will provide training to the farmers to enable them to excavation and other works mentioned in the estimate in coordination with MI Engineer.

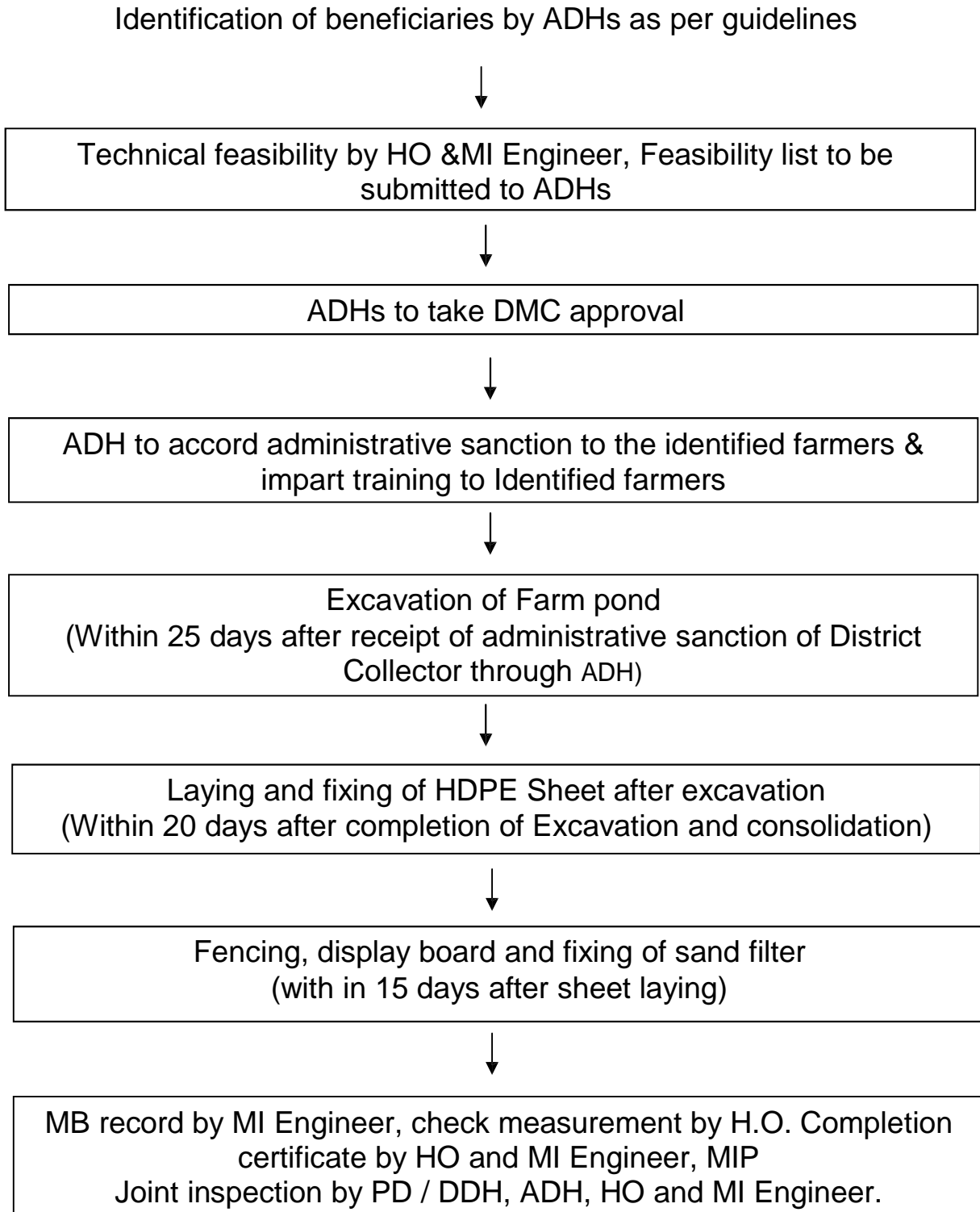
7. LAY OUT PLANNING:

The MI Engineer of the district will give the lay out plan to the farmer.

The estimated unit cost and subsidy pattern of Farm Ponds for excavation, laying Geo-membrane sheet and Fencing.

Sl. No.	Type	Size of the Farm Pond	Capacity	To irrigate	Total cost (Rs in Lakhs)	Subsidy in (Rs in Lakhs) (50% on total cost)
1	Individual farm pond	20x20x3m	20 lakh litres	2ha	1.50	0.75

8. **FLOW CHART FOR IMPLEMENTATION OF EXECUTION OF FARM PONDS**



9. GENERAL CRITERIA FOR POND CONSTRUCTION (RECOMMENDED BY NCPAH):

- **Survey of water resources/catchments:** The most important factor for designing farm ponds is water source. There should be enough water available either by perennial, seasonal, runoff through watershed areas or by other sources to fill the pond.
- **Selection of Site:** Site should be selected from where maximum area can be covered for supplemental irrigation of the water stressed crops. The natural tendency of soil and elevation should also be taken into consideration.
- **Selection of size of tank:** The selection of size of tank is very important depends on the irrigated area, sources of water available, types of soil, frequency of irrigation and volume of water required etc. The slope and shape of trapezoidal pond depends on the types of soil and its topography.
- **Depth of pond:** Depth of the pond should range from 3 to 5 m. Greater than 2 m of depth are advantageous as the surface area is less resulting in minimum evaporation loss and maintenance hazard. If sufficient land is not available, this can be offset to some degree by increasing the depth of the pond.
- **Slope of pond:** Slopes lies “between” 1.5V:1H to 3V:1H have been recommended for clay to sandy loam soil.

10. DO'S & DON'TS:

- Site selection must be at appropriate place of water sources
- Cultivable command area should be near the pond.
- Avoid hard rock area, it will be labour expensive and angular projection in dugout pond may damaged the laid films.
- Level the excavated pond in order to suppress the angular projection
- The top layer of tank basin sub grade should be compacted to at least 90% of proctor's density by mechanical equipment like vibratory compacter or by other suitable equipments.
- Any weak and soft spots present shall be removed and shall be replaced with compacted fills.
- Standing water or excess moisture in dugout pond should not be allowed for laying of films.
- Films rolls should be packed properly and should be of ISI marked.
- Keep the film rolls in original packing prior to actual use or laying the film
- See the uniform pressure is applied while sealing the film
- Don't handle roughly and don't drag the film rolls as they may get damaged in the process.
- Don't walk on the film while lining operation is in process to avoid any damage to the film
- Don't slide cover overlaying material like bricks, tiles etc. on the film to avoid any damage and displacement.
- Don't use hooks for lifting the rolls of film
- Don't use reprocessed HDPE films as the quality is not guaranteed and may lead to premature failure of the film.

HDPE VERMIBEDS

- The farmer is given choice for procurement of HDPE Vermibed as per the standards from companies empanelled by AGROS.
- Provision of shade by providing thatched shed is compulsory.
- Farmers having existing thatched shed are also eligible.
- Farmer to install the vermibed and should procure the components required for preparation of Vermicompost.
- Board showing details of the farmer and assistance provided should be displayed at the unit which is mandatory under MIDH schemes.
- List of farmers along with photographs showing the vermibeds installation in the farmers gardens should be furnished to this office.

Specification: 12X4X2 Ft. of Agro Textiles- HDPE Woven beds with BIS standards (IS 15907:2010)

Total Cost: The total cost for HDPE Vermibed including material is Rs. 16000/-

Assistance: 50% assistance i.e. Rs.8000/-

Sl. No.	Component	Total Cost in (Rs.)	Departmental Share in (Rs.)	Farmers Share in (Rs.)
1	HDPE Vermibed	5600	5600	0
2	FYM (2 ½ Tons)	2400	1200	1200
3	Earth Worms (12 Kgs.)	960	400	560
4	Installation Cost	1600	800	800
5	Provision of Shade	5440	0	5440
Totals		16000	8000	8000

Eligibility:- One vermibed per beneficiary.

Disbursement of Assistance:-

- 100% physical verification by the Horticulture Officer concerned and 50% of the units in each Horticulture officers jurisdiction should be inspected by the ADHs before release of assistance.
- After ensuring the installation of the units in all aspects, the assistance will be provided to the beneficiaries / agency / firm through online transfer.

INTEGRATED POST HARVEST MANAGEMENT GUIDELINES – 2015-16

Specific programmes which would be taken up under MIDH would include establishment of pack houses, cold storage units, supply of refrigerated vans, primary/mobile processing units, ripening chambers. All these projects will be entrepreneur driven through commercial ventures for which Governmental assistance will be credit linked back-ended.

Subsidy in accordance with the cost norms given to PSUs and State Government agencies, Cooperatives, growers' association, farmers group, self-help groups, women farmers groups, recognized / registered by the DMCs, having at least 25 members, will also be entitled to avail assistance for such activities to the same extent. However, assistance will not be credit linked for such agencies but would be back ended subject to condition that they are able to meet their share of the project cost.

Assistance for setting up of new cold storage / CA Storage / MA storage will be available only to multi-chamber cold storage units with latest / new technologies, which are energy efficient with provision for insulation, humidity control, advanced cooling systems etc., having specifications and standards approved by the Ministry as detailed in the website. www.nhm.nic.in / www.midh.gov.in -> revised guidelines -> technical standards for cold storages.

STEPS TO BE FOLLOWED IN GENERAL:

1) At the time of receiving the proposal from promoter at the DDH office

- 1) Application along with synopsis should be in prescribed format duly signed by the promoter.
- 2) The documents to be submitted for that particular component are to be verified as per the check list.
- 3) All the project proposals should be numbered in print / ink with index showing the contents as mentioned in check list.
- 4) Issue of acknowledgement to the promoter.

2) Verification in DDH office.

- 1) Application should be verified that all the columns are properly filled with the signature of the promoter.
- 2) The documents are to be verified as per the check list and the check list should be duly signed by the DDH for onward submission to State cell.
- 3) If any documents are missing the promoter should be asked to submit the pending documents within one week.
- 4) After receipt of all documents DHM approval has to be obtained.

- 5) The DDH should forward the project proposals in 3 sets (Cold Storages / Ripening Chambers / Primary Processing units / Reefer Vans) along with the check list duly signed by the DDH. If any documents are not required proper justification has to be given for not submitting the documents.
- 6) As the bank consent letter, bank appraisal report and affidavit are most essential documents, the DDH should verify this documents with originals and DDH should attest the duplicate copies before submitting the project proposals to this office.

3) After Issue Of Administrative Sanction And Execution Of The Project

- 1) Preliminary inspection report in the prescribed format has to be submitted by DDH along with bank disbursement statement to state cell for release of subsidy.
- 2) Periodical inspection at different stages of execution.
- 3) DDHs have to give confirmation regarding the suggestions / remarks given by the technical consultant in techno economic viability report.
- 4) DDHs to inform the promoters for taking up of energy audit after the unit is completed. Energy audit should be taken up by the certified energy auditors by Bureau of energy efficiency Ministry of Power (GOI)
- 5) DDH has to forward the energy audit report to State cell and should recommend for constitution of joint inspection team.

4) Joint Inspection

- 1) It is the responsibility of the DDH to coordinate with all the members as constituted in the team for conducting joint inspection.
- 2) The relevant proformas should be properly filled and subsidy has to be recommended for release.

5) MONITORING

- 1) The ADH should periodically visit and inspect the unit to see that whether the unit is being utilized for the purpose for which it is sanctioned.

6) Time Frame For Implementation Of PHM Projects

Sl.No.	Component	No. of days
1.	Verification of project proposal with check list	10 days from the date of receipt of proposal
2.	Intimation to the promoter if all documents are not submitted	
3.	Inspection by HO / ADH	
4.	Obtaining required documents from if any promoter as per check list	Within 7 days after verification of the application
5.	Application form filing in hortnet	With in 7 days after getting application form with full details
5.	Obtaining DMC approval	
6.	Forwarding to State cell	Within 2 days after obtaining DMC approval
7.	Techno Economic Viability Study by the Technical consultant	Within 15 days
8.	After obtaining Techno Economic Viability Report – Project to be placed in EC of State MIDH cell.	
	After the project is approved in EC of State cell & MIDH and after issue of Administrative sanction	
9.	Preliminary inspection report uploading in Hortnet recommending release of 1 st installment	Within one week after issue of administrative sanction
10.	Periodical inspection by ADH	Monthly intervals
	After completion of the project (After the promoter has taken up all suggestions given by technical consultants in techno economic viability report and after the energy audit is completed)	
11.	ADH to recommend for constitution of joint inspection	Within 3 days after completion of the project in all aspects
12.	After joint inspection team is constituted ADH to coordinate with all the members and arrange for joint inspection	Within 7 days after constitution of joint inspection.
13.	Submission of joint inspection report	Within 3 days after completion of joint inspection
14.	Uploading the bills and photos in hortnet for release of subsidy	Within 3 days after completion of joint inspection

PATTERN OF ASSISTANCE

Sl. No.	Component	Unit cost	Pattern of Assistance
1	Functional Pack house / on farm collection Unit	Rs. 4.00 lakh/unit with size of 9Mx6M	50% of the capital cost.
2	Integrated pack house with facilities for conveyer belt, sorting, grading units, washing, drying and weighing.	Rs. 50.00 lakh per unit with size of 9Mx18M	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas for individual entrepreneurs
3	Cold storage units Type 1 - basic mezzanine structure with large chamber (of >250 MT) type with single temperature zone	Rs. 8,000/MT, (max 5,000 MT capacity)	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas for individual entrepreneurs.
4	Ripening chamber	Rs. 1.00 lakh/MT.	Credit linked back-ended subsidy @ 35% of the capital cost of project in general areas and 50% in case of Hilly & Scheduled areas for a maximum of 300 MT per beneficiary.

STEPS TO BE FOLLOWED (PROJECT WISE):

1) Cold storages / Ripening chambers

- The project proposals should be in accordance with technical standards of MIDH www.nhm.nic.in/ www.midh.gov.in -> revised guidelines -> technical standards for cold storages.
- As per the directions of the MIDH the projects shall be recommended as per the following component wise cost.

Sl.No.	Item	% of the project cost (range)
1	Civil construction	50-55
2	Thermal insulation	10-15
3	Refrigeration system	20-25
4	Electrical system	10-15

- The DDH shall obtain the coefficient of performance sheet in respect of electricity / refrigeration load from promoter and submit the same to State cell for conducting energy audit by the technical consultant and also ADH shall see that data logger / PLCs are installed by the promoter as mentioned in technical standards
- As the following documents are mandatory the DDH shall obtain the same for seeking techno viability advice before placing the project in SLEC:
 1. Heat load calculation sheet during loading period, pull down period, holding period in accordance to technical standards and guidelines duly certified by the engineer.
 2. Detailed coefficient performance sheet during peak load, holding period and lean period duly certified by the engineer.
 3. Layout of the proposed cold storage unit in accordance to the statutory building by laws and building codes and standards duly approved by a registered architect and structural engineer.
 4. Technical data sheets of each equipment namely compressors, condensers, cooling towers, Air cooling units giving general layout, dimensions, material of construction, rated capacity, operating parameters and COP duly certified by respective equipment manufactures with respect to relevant codes and standards.
- The ADH shall also see that additional compressors and humidifiers are installed in multi chambered Cold Storage to have at least 10% of space for storage of Fruits & Vegetables, as most of the cold storages are proposed for storing chillies, tamarind and agriculture produce. The non-providing of space in cold storage for storage of fruits & vegetables is being pointed out in almost all Techno. Economical Viability Study reports.

- The project proposal received in State cell from the DDH with all the above required documents shall be forwarded to the technical consultants for Techno economic Viability study.
- The project proposals that are economically and technically viable shall be placed before the SLEC for approval.
- The project proposals that are approved by the SLEC shall be forwarded to the MIDH for placing in the EC for approval.
- In principal Sanctions shall be issued to the projects that are sanctioned by the EC.
- The ADHs after receiving the In principal sanctions, shall inspect the site and submit the preliminary report in the (Format-IX (B)/CS/RC) mentioning the status and progress of the project work duly recommending for the release of 1st installment subsidy to the concern bank.
- ADH should also upload the preliminary report and photos in Hortnet for release of credit linked back ended subsidy.
- Basing on the preliminary report of the DDH concerned the State cell shall release 1st installment subsidy to the concerned bank of the promoter through HORTNET.
- After completion of the project and energy audit, the DDH shall recommend through a letter for joint inspection of the project along with bank disbursement statement / completion letter from Banker duly enclosing the energy audit report.
- After obtaining permission from state office, the DDH shall conduct Joint Inspection with the following committee members:
 - ED / Sr. Officer from O/o Commissioner of Horticulture / Project Director, MIP / DDH of the concerned district.
 - Assistant Director of Horticulture concerned.
 - Horticulture officer concerned.
 - Promoter
 - Banker

The committee shall submit Joint inspection report in the prescribed Format for Cold Storage and Ripening Chamber along with the original company bills of purchase of the project machinery.

ADH shall upload the bills and photos in HORTNET for release of 2nd installment of subsidy. Based on the recommendations of the Committee, the final installment of the subsidy shall be released to the concerned bank of the promoter.

2) Pack House

WORK FLOW FOR PACK HOUSES

S.No.	Steps	Action to be taken	Format in which information to be furnished
A	Before Sanction		
1	Obtaining Project proposals from farmers	ADH	Format – III
2	Scrutiny of the proposal as per check list	ADH	Annexure – V
3	Application filing in hortnet	HO	
4	Obtaining DMC approval	ADH	
5	Forwarding DMC approval along with prescribed format to State cell along with preliminary inspection report	ADH	Format X (PH)
6	Obtaining SLEC approval	State cell	
B	After Sanction		
7	Issue of administrative sanction	State cell	
8	To monitor the completion of the Pack House within 6 months		
9	Obtaining the required bills and scrutiny	ADH	
10	Constitution of Joint inspection team for inspecting the Pack House obtaining photographs depicting all the components of pack house with joint inspection team.	ADH	
11	Sending proposal along with joint inspection report to State cell for release of assistance	ADH	Format XXV & XXVI
12	Uploading the bills and photos in Hortnet	HO/ADH	
13	Release of assistance to farmers through Hortnet	State cell	

In respect of the Joint inspection, the ADH shall organize Joint inspection of the Pack House in presence of promoter duly constituting a committee with DMC approval:

The DDHs shall take up 10% random inspection of the established Pack Houses and also shall monitor the status of pack houses sanctioned.

The ADHs should scrutiny the project proposals of pack houses at their level and maintain the proposals for record purpose in their office and need not forward to State cell. They should obtain the DMC approval and send copy of DMC approval duly attesting along with details in format X (PH) and forward to head office for obtaining SLEC approval at State cell.

CHECK LIST FOR PROJECTS FOR COLD STORAGE & RIPENING CHAMBER

Sl. No.	DESCRIPTION	REMARKS
1	Application Form (Format – I)	
2	Basic Data Sheet with Complete Technical Specifications (Format – VI)	
3	Detailed Project Report as Per MIDH Guidelines	
4	Partnership Deed	
5	Firm Registration Certificate	
6	Bank Sanction Letter	
7	Bank Appraisal Letter	
8	Approval from Gram Panchayat	
9	Approval from Pollution Control Board	
10	SSI registration certificate	
11	Fire Department approval with Drawings	
12	Pan Card Xerox Copy	
13	Electricity approval	
14	KYC documents of all the partners	
15	VAT / CST REGISTRATIONS	
16	Land Conversion	
17	DMC Approval (District Mission Committee)	
18	Affidavit (Format – VII)	
19	Land Documents (Sale Deed / Lease Deed)/ Pattadar pass book copy	
20	Declaration by Engineer (Format – VIII)	
21	NOC from NABARD / NHB/ APEDA/ DIC / SFC and MFPI	

Annexure-II**CHECK LIST FOR PROJECTS FOR PRIMARY PROCESSING UNITS**

Sl. No.	DESCRIPTION	REMARKS
1	Application Form (Format – I)	
2	Detailed Project Report as Per MIDH Guidelines	
3	Partnership Deed	
4	Firm Registration Certificate	
5	Bank Sanction Letter	
6	Bank Appraisal Report	
7	Approval from Pollution Control Board	
8	SSI registration certificate	
9	Fire Department approval with Drawings	
10	Pan Card Xerox Copy (on firm name)	
11	Electricity approval	
12	KYC documents of all the partners	
13	Land Conversion	
14	DMC Approval (District Mission Committee)	
15	Affidavit (Format – VII)	
16	Land Documents (Sale Deed / Lease Deed) or Pattadar pass book copy	

Annexure - III**CHECK LIST FOR DOCUMENTS TO BE SUBMITTED TO PACK HOUSE**

Sl.No.	Description
1	Application – (Format – III) (to be retained at ADH office)
2	District Mission Committee Approval
3	Affidavit (Format – VII) (to be retained at ADH office)
4	Pattadar Pass Book Copy (to be retained at ADH office)
5	Bank Consent Letter (to be obtained if credit linked back ended subsidy and to be retained at ADH office)

APPLICATION FORMAT

Cold Storage / Ripening Chamber

**FORMAT FOR SUBMISSION OF PROJECT BASED PROPOSALS POST HARVEST
MANAGEMENT BY PRIVATE SECTOR UNDER MIDH**

1. Name of Project	:	
2. Type of Activity	:	
3. Objectives	:	
4. Purpose (Details of crops stored in cold Storages / Ripening Chamber are also to be given)	:	
5. Location of the project with address	:	
a) Address for correspondence	:	
b) General area	:	
c) Hilly/Tribal area	:	
6. Constitution	:	
(Date of incorporation and relevant law alongwith a copy of articles and memorandum of association, bylaws, partnership deed and registration certificate which ever is applicable. Documentary proof regarding authorized / paid up capital and promoters contribution.)		
(a) Public Ltd. Company	:	
(b) Private Ltd. Company	:	
(c) Registered Society	:	
(d) Association	:	
(e) Federation	:	
(f) Producer Company	:	
(g) Proprietorship firm	:	
(h) Partnership concern	:	
7. Management	:	
8. Brief background of promoters	:	
a) Category / Caste	:	
b) Bank name & branch and date of sanction :	:	
9. Cost of Project Rs in lakhs	:	
(a) Land- (if purchased new along with documentary proof)	:	
(b) Building	:	
(c) Plant & Machinery	:	
(d) Contingencies	:	
(e) Miscellaneous fixed assets	:	
(f) Working Capital margin	:	
(g) Pre operative exp.	:	-----
Total	:	-----

10. Means of Finance

(a) Promoter Share	:	
(b) Bank Term loan	:	
(c) Subsidy	:	
(d) Quasi equity	:	
(e) Unsecured loan	:	

Total	:	-----

11. Details of Cost of Plant & Machinery/equipment supported by quotations.

12. Details of the Building construction and the cost duly certified.

13. Area of Operation with special reference to MIDH Districts to be covered.

14. Availability of raw material, name of the cluster and District along with the major crops.

15. Backward linkages with farmers with reference to either providing services or purchase of raw material.

16. Forward linkages -Analysis of domestic and export markets, tie up made for sale of Produce and branding aspect.

17. No. of farmers/ orchardist to be benefited.

18. SWOT Analysis.

19. Financial Analysis – IRR, NPW, Cost benefit Ratio, Break even point, DER, DSER, Projected balance sheet etc.

20. Insurance of the fixed assets

21. Certificate from Pollution Control Department.

22. Name of the sponsoring bank along with the details of Techno-economical appraisal reports, copy of sanction letter and Detailed Project Report (DPR) as submitted to bank.

23. Affidavit of Rs. 100/- regarding Non-availing of subsidy from any other Central/State Govt. Departments.

24. Social benefits with special reference to employment generation.

(a) Direct employment

(b) Indirect employment

(c) Women/S.T./S.C. employment

25. Details of the sustainability of the project with special reference to its capacity to generate income since only one time grant is admissible.

26. Implementation schedule.

27. Amount of subsidy sought.
28. Production cluster should be identified near the existing infrastructure for pre harvest and post harvest, market and processing, Agri Export Zones (AEZ).
29. Linkages with infrastructure created by the private/ corporate sector in and around the clusters. A write up on the initiatives of the linkages between MIDH clusters and private sector initiative to be brought out.
30. Marketing arrangements for surplus produce inside and out side State/Country to be indicated.
31. List of machinery and equipment.

Signature of the promoter

Recommendations of the Asst. Director of Horticulture _____.

Asst. Director of Horticulture

Note: Synopsis to be enclosed

FORMAT - II
Application for Availing Assistance / Subsidy
Under MIDH

Recent
Passport Size
Photograph

Name of the Scheme: Post Harvest Management

COMPONENT : PACK HOUSE

- 1 Name of the Farmer :
- 2 Father / Husband Name :
- 3 Caste (SC/ST/BC/OC) :
- 4 Address: :
- Phone / Cell No.: :
- 5 Land records with Extent in Acres / Ha. :
(Copy of Pass Book / Adangal)
- 6 Source of Irrigation (Open well / Bore well / Canal) :
- 7 Name of the Financing Bank, Loan Amount Proposed :
- 8 Whether any Govt. Subsidy availed previously :
- 9 Any other relevant information :

Declaration

I, _____
declare that the particulars furnished above are true to the best of my knowledge and I promise that the benefit obtained from State MIDH Cell will be used for the purpose for which it is given and in case of misuse I am liable for any action deemed to be fit by Govt. of A.P., including recovery of the subsidy amount with 12% interest to the Government.

Signature of the Farmer / Entrepreneur.

Recommendations of the
Asst. Director of Horticulture _____.

With due approval of the DHM (Dist. Collector).

Enclosures:

Asst. Director of Horticulture.

FARM MECHANIZATION

Objective:

- Increasing the reach of farm mechanization to small and marginal farmers and to the regions where availability of farm power is low.
- Creating hubs for hi-tech & high value farm equipments.
- Provide financial assistance to farmers for procurement of farm machinery and implements.

COST NORMS AND PATTERN OF ASSISTANCE

S.No	Component	Cost Norms as per MIDH	Pattern of Assistance
1.	Land Development, tillage, Sowing, Seed bed preparation equipment, digging equipment and Power saws	0.30 lakh/unit	subject to a maximum of Rs. 0.12 lakh/unit for general category farmers and in case of SC, ST, Small and marginal farmers, women farmers, subject to max. of Rs.0.15 lakh per unit.
2.	Plastic Mulch Laying machine	0.70 lakh/unit	Subject to a maximum of Rs. 0.28 lakh/unit for general category farmers and in case of SC, ST, Small and marginal farmers, women farmers, subject to a max. of Rs.0.35 lakh/unit.
3.	Plant protection equipment		
a)	Manual sprayers		
i)	Knapsack/foot operated sprayer	Rs.0.012 lakh/unit	Subject to a maximum of Rs.0.005 lakh/unit for general category farmers, and in the case if SC,ST Small & Marginal farmers, Women farmers subject of a maximum of Rs.0.006 lakh/unit.
ii)	Powered knapsack sprayer/Power operated Taiwan sprayer (capacity-8-12lts)	Rs.0.062 lakh/unit	Subject to a maximum of Rs.0.025 lakh/unit for general category farmers, and in the case if SC,ST Small & Marginal farmers, Women farmers subject of a maximum of Rs.0.031 lakh/unit.
iii)	Powered knapsack sprayer/Power operated	Rs.0.076	Subject to a maximum of Rs.0.03 lakh/unit for general category

	Taiwan sprayer (capacity- above 12-16 lts)	lakh/unit	farmers, and in the case if SC,ST Small & Marginal farmers, Women farmers subject of a maximum of Rs.0.038 lakh/unit.
iv)	Power knapsack sprayer /power operated Taiwan sprayer (capacity above 16 lts)	Rs.0.20 lakh/unit	Subject to a maximum of Rs.0.08 lakh /unit for general category farmers and in the case if SC, ST Small & Marginal farmers, Women farmers subject of a maximum of Rs.0.10 lakh/unit.
4	Eco friendly light traps	Rs.0.028 lakh/unit	Subject to a maximum of Rs.0.012 lakh /unit for general category farmers and in the case if SC, ST Small & Marginal farmers, Women farmers subject of a maximum of Rs.0.014 lakh/unit.

- The farmers who are having orchards are only eligible for the component Farm Mechanization. The identified beneficiaries should be uploaded in the HORTNET.
- The empanelled firms done by M/s Agros are only eligible to supply farm machinery. The empanelled companies should be registered in HORTNET with their bank account details.
- The empanelled companies should get their equipments tested either from FMTTI (Farm Machinery Training and Testing Institute) Geraldine A.P. or Designated Institute from DAC are only eligible for subsidy.
- All the companies / Authorized Dealers should furnish bank account numbers along with the IFSC codes to concerned ADHs for online transfer of amounts of subsidy amount through RTGS only.
- The empanelled companies list along with the prices should be made available to the farmers. The choice of the farmer in selection of the firms should be given priority.
- After the selection of the firm and its make, the concerned HO/ ADH should explain the details of subsidy and non subsidy particulars to the identified Beneficiaries, who are enrolled in the scheme.
- The application should be collected by the concerned HO and the ADH /DDH will scrutinize it.
- The identified farmers should pay the non subsidy amount in shape of DD drawn in favour of the concerned firm / authorized dealer empanelled through Agros and submit to the concerned ADH.
- The concerned ADH will issue a purchase order along with the DD of non- subsidy amount to the approved firm / authorized dealer empanelled through Agros with a copy marked to concerned farmer.

- The firm should deliver the desired make of the machinery to the farmer.
- The original invoices / bills and purchase order of the concerned firms / authorized dealer empanelled through Agros will be retained at concerned ADH office only.
- The DDHs will send ink signed final proceeding along with annexure approved by District Collector to the Head Office for effecting the payment to the concerned firms / authorized dealer empanelled through Agros.
- During disbursement of the machinery to the farmer concerned HO, ADH and concerned firm / authorized dealer empanelled through Agros representative should take a photo along with the machinery and the same is to be uploaded in HORTNET.
- The subsidy amounts will be released to the firms / authorized dealer empanelled through Agros through online transfer.

HUMAN RESOURCE DEVELOPMENT

Objectives:

- Providing appropriate training to the farmers for adoption of high yielding varieties of crops and farming systems and also to sensitize on post harvest management.
- To familiarize the farmers about the production practices being followed by progressive farmers.

NON-NEGOTIABLES WHILE CONDUCTING TRAINING PROGRAMME TO THE FARMERS

a) Trainings to farmers:

1. The districts have to identify the training needs of the horticulture farmers in the district keeping in view, the horticulture profile, productivity pattern, incidence of pest, post harvest practices and other such relevant issues.
2. Based on the training needs, the ADH in consultation with field functionaries should prepare district specific training calendar.
3. The calendar should contain mandal-wise crop-wise training schedule. Training programmes conducted without preparing the training calendar will not be eligible for drawing assistance from SHM funds.
2. The farmers / beneficiaries identified under SHM especially, farmers identified for Rejuvenation, Protected Cultivation, Organic farming should invariably be covered under HRD program. .
3. The ADH shall identify resource persons including retired personnel of Horticulture dept., KVK's, progressive farmers and empanel them and their services can be used by paying honorarium.
4. Providing written literature in Telugu on the training subject to the trainees is a must. **If training is conducted without giving the written literature, it will not be considered as training for getting assistance.**

5. Feedback of the farmers on the usefulness of the training shall be obtained in specially designed feedback forms or in a register along with the signatures of the participants.
6. Documentation like photograph shall be taken for each training program. Press publicity should be given on these training programs.
7. The DDH should visit maximum number of training programmes as far as possible as this will give an opportunity to interact with farmers and get feedback on horticultural issues.
8. Attendance register of the farmers should be maintained by each officer.

b. Exposure visit to the farmers:

1. In order to familiarize the farmer about the production practices being followed in other states exposure visits should be organized.
2. The ADH should identify the places/ states where the suggested areas are being successfully practiced and coordinate with the institutions / agencies and fix tentative dates with the prior approval of DDH.

Training to farmers:

i) Within the Districts:

- Training programme should be of one day duration. Selection of beneficiaries shall be primarily be from the beneficiaries of various schemes being implemented by the department.
- It should be ensured that, the trainings conducted in a month should invariably cover **18 % SC farmers, 10 % ST farmers** and **33% women** beneficiaries / farmers
- The One day Training programme on farm should be held at Village/Mandal level and Cluster basis.
- The expenditure per trainee should not exceed Rs.10,000/- per training for a batch of 25 farmers. (component wise indicative cost is given below)
- Wide publicity of the programme to be given in local newspaper and programme to be documented in coordination with divisional / mandal PRO and photographs of local news paper/ video clippings to be sent to SHM at the end of the month along with progress report.
- Suitable resource persons should be identified for imparting training based on the Subject. The resource person must be either Scientists from DAATT Centre or from nearby Agriculture / Horticulture research stations of Prof. Jayashankar Agril. University or SKLTS Horticulture University.
- Trainings under this sub-component are to be organized by District Officers subject to approval of action plan by MIDH and after specific release of funds from SHM.

**COMPONENT WISE ASSISTANCE FOR ONE DAY TRAINING PROGRAMMES
WITHIN THE DISTRICTS 2015-16**

S.No	Component	Assistance @ Rs.10,000/- per training a batch of 25 farmers
1	Study Material	1000/-
2	Honorarium to resource persons	2000/-
3	Expenditure on Food	4000/-
4	Miscellaneous contingent expenditure	3000/-
	Total	10000/-

i) Within the State:

1. Training programme should be of two day duration and should focus on crop management during flowering, fruiting and pest & disease management.
2. It should be ensured that, the trainings conducted in a month should invariably cover **18 % SC farmers, 10 % ST farmers** and **33% women** beneficiaries / farmers
3. The Training programme should be held within the state. A field visit of the farmers should be organised to the neighbouring districts to educate the farmers on latest technologies adopted. The expenditure per training should not exceed Rs.25000/- per batch of 25 farmers (component wise indicative cost given below)
4. Programme to be documented in coordination with divisional / mandal PRO and photographs of local news paper / video clippings to be sent to SHM at the end of the month along with progress report including banner.
5. Suitable resource persons should be identified for imparting training based on the Subject. The resource person must be either Scientists from DAATT Centre or from nearby Agriculture / Horticulture research stations of Prof. Jayashankar Agril. University or SKLTS Horticulture University.

COMPONENT WISE ASSISTANCE FOR 2 DAY TRAINING PROGRAMMES WITHIN THE STATE - 2015-16

S.No	Component	Assistance @ Rs.25,000/- per training a batch of 25 farmers
1	Study material (Reading and writing material , CDs)	2000/-
2	Honorarium to faculty members / resource persons.	3000/-
3	Expenditure on food	5000/-
4	Travelling expenses	6000/-
5	Miscellaneous, contingent exp.	9000/-
	Total	25,000/-

d) Exposure Visit of Farmers:

i) Outside State:

- Exposure Visits to farmers outside the State can be organized by the district officers to the states where precision farming, Hi-tech floriculture, Organic farming, Processing Industries and Hi-tech farming are highly successful and can be emulated by the farmers of our state. And also to places where latest Post harvest technologies are adopted and market facilities are created.
✓ The Turmeric growing districts may plan visits to Erode, Salem in Tamilnadu where Precision farming has been taken up in Turmeric
- The visits should be completed before 15.01.2015 failing which the ADH has to surrender the amount so that it can be allotted to a needy district. It should be ensured that, the exposure visits should invariably cover **18 % SC farmers, 10 % ST farmers** and **33% women** beneficiaries / farmers
- The eligible expenditure per farmer per day is Rs.1000/- (Rupees Thousand only) and limited to 6 days stay outside state (including Travel). The travel expenses will be based on actual bus / train fare.
- This is a project based component. Before organising the visit, specific proposals should be sent by district officers indicating the tentative tour programme, place of exposure visit, list of identified farmers and purpose of exposure visit and prior permission has to be obtained. The same will submitted for approval of SLEC.
- Programme to be documented. The team should record interviews with the successful farmers. A compendium should be submitted to the office along with expenditure statement, photographs and CDs. It is mandatory for the team to interact with the officials of Horticulture / Agriculture Department and obtain their observations.

REPORT ON EXPOSURE VISITS

(Minimum 10 Pgs per Visit)

1. Name of the District:
2. Place of Visit
3. No. of Farmers
4. Village & Mandal
5. Objective of the Visit
6. Duration (Dates) :
7. List of Places / Organizations visited:
8. Lessons learned:
9. Comments / observations of the Farmers:
 - The Report should be sent in A 4 size papers, in Times New Roman Font (14 for Sub headings and 12 for matter).
 - Minimum 6 to 8 Photographs should be incorporated at appropriate places in the note along with captions.
 - List of farmers should be enclosed. A statement showing component wise expenditure should be enclosed.
 - Follow up action after the filed visits by the Department to take up the activities.

**MISSION FOR INTEGRATED DEVELOPMENT OF HORTICULTURE
TIME-LINE FOR IMPLEMENTATION OF VARIOUS COMPONENTS - 2015-16**

GENERAL

Sl. No.	Description of work	Time frame	Action to be taken by
1	Survey of identified area by village committee under all schemes for suitability of that particular crop and irrigation source.	By the end of June	Village Committee & HEO
2	Submission of eligible beneficiary list after verification	By the end of June	H.O.
3	Online registration of beneficiaries in HORTNET (along with bank details, photograph)	By the end of June	H.O.

AREA EXPANSION (Fresh Plantation)

Sl. No.	Description of work	Time frame	Action to be taken by
1	Issue of Administrative sanction with approval of District Mission Committee (DMC)	By 15th July, 2015	ADH
2	Organizing training programmes on selection of plant material (for Sweet Orange) / Campaigns for obtaining beneficiary choice / Training on Package of Practices	By 15th of July 2015	H.E.O. / H.O.
3	Organising campaigns for distribution of administrative proceedings	By 3rd week of July 2015	H.E.O. / H.O.
4	Completion of pitting	By 3rd week of July 2015	H.E.O.s
5	Issue of permits for supply of plant Material	By 3rd week of July 2015	H.E.O / H.O.
6	Completion of planting	July to September, 2015	H.E.O.s
7	Physical verification of beneficiaries	2nd week of August - September, 2015	H.O. / ADH
8	Collection of bills and uploading of bills and photographs in Hortnet	August - September, 2015	H.E.O. / H.O.
9	Final DMC approval for release of funds	By 1st week of October, 2015	ADH / HO (T)
10	Forwarding to ED login for release	By 3rd week of October, 2015	ADH / HO (T)
11	Release of funds from Head office. Disbursement of Cash Assistance through CFMS mode to the end beneficiaries (including H.D.A./Agros etc)	By 2nd week of October - November, 2015	ADH at Head Office

2nd & 3rd YEAR MAINTENANCE			
1	Survival Verification	By 2nd week of June, 2015	H.E.O. / H.O.
2	Preparation of beneficiary list	By 3rd week of June, 2015	ADH / H.O.
3	Placing of indents	By 1st week of July 2015	H.O.s / ADHs
4	Issue of permits for supply of plant material	By 1st week of July 2015	H.O.s / ADHs
5	Supply of plant Material for gap filling	By 2nd week of July, 2015	H.E.O / H.O.
6	Uploading of beneficiary details along with photographs in Hortnet	By end of July, 2015	H.E.O / H.O.
9	Disbursement of Cash Assistance online		
a)	For 3rd Year	By end of August 2015	ADH
b)	For 2nd Year	By end of September, 2015	ADH
REJUVENATION OF OLD & SENILE ORCHARDS (Mango)			
Sl. No.	Description of work	Time frame	Action to be taken by
1	Verification of the orchards by H.O.	End of June 2015	H.O. / ADH
2	Registration of identified beneficiaries in Hortnet	By 15th July 2015	H.O
3	DMC approval for issue of Administrative Sanction Proceedings	By 15th July 2015	ADH
4	Conducting Training to the Farmers involving Scientists	By 3rd week of July, 2015	H.O.
5	Issue of permits for plant material for gap filling	By 3rd week of July, 2015.	H.E.O / HO
6	Distribution of garden tools	By 2nd week of August, 2015	H.O.
7	Collection of bills and uploading of bills and photographs in Hortnet	By end of August 2015	H.E.O . / H.O.
8	Final DMC approval for release of funds	By 1st week of September, 2015	ADH / HO (T)
9	Forwarding to ED login for release	By 3rd week of September, 2015	ADH / HO (T)
10	Release of funds from Head office. Disbursement of Cash Assistance through CFMS mode to the end beneficiaries (including H.D.A./Agros etc)	By 2nd week of October, 2015	ADH at Head Office

ORGANIC FARMING - VERMI BEDS			
1	Finalisation of / communication of list approved suppliers	By end of July 2015	Head office / ADH
2	Issue of Administrative Sanction Proceedings	By end of August 2015	H.O. / ADH
3	Supply of / establishment of the Unit by the farmer	By 15th of October 2015	FC
4	Physical Verification of the Unit by H.O.	By 1st week of November 2015	H.O.
5	Physical Verification of 50% of the Units by ADH.	By 3rd Week of November 2015	H.O. / ADH
6	Disbursement of Cash Assistance through online / account transfer.	By end of November 2015	ADH
PROTECTED CULTIVATION (Poly Houses)			
1	Forwarding of proposals , with DMC approval to head office.	By the end of July 2015	ADH
2	Obtaining approval in SLEC meeting	By 1st week of August 2015	Head office
1	Issue of Sanction Proceedings	By 2nd week of August 2015	ADH
2	Organizing Trainings & Exposure Visits	By end of August 2015	H.O. / ADH
3	Completion of erection of structure / planting	By the end of October 2015	HEO / APMIO
4	Inspection by the committee	As per completion	All the Committee Members
5	Release of the subsidy through online / account transfer	By last week of October 2015	ADH
Farm Mechanization			
1	Remittance of non subsidy amount	By 2nd week of September 2014	HEO / HO
2	Placing of indents for supply of equipment	By 3rd week of September 2015	ADH
3	Uploading of Beneficiary details in Hortnet	By 3rd week of November 2014	H.O
4	Distribution of equipment	Within three days from receipt of equipment for Agros	H.O
5	Release of the payment to the firm / Agency	by December 2015	ADH

FARM PONDS			
Sl. No.	Description of work	Time frame	Action to be taken by
1	Technical feasibility	By 2nd week of July, 2015	HO& MI Engineer
2	Issue of administrative sanction duly obtaining DHM approval	By end of July, 2015	ADH
3	Organizing Training programme	By 2nd week of August, 2015	HO/ ADH
4	Excavation of Farm pond	Within 25 days after receipt of administrative sanction from the ADH	FARMER
5	Lining with geo membrane sheet	Within 20 days after excavation and consolidation of farm pond	FARMER
6	Fencing, display board, erection of sand filter and connection to drip system.	Within 10 days after sheet laying	FARMER

- 22 Name of the Bank :
23 Name of the Branch :
24 IFSC Code/RTGS Code :
25 Mobile number :

Declaration

I, _____

declare that the particulars furnished above are true to the best of my knowledge and I promise that the benefit obtained from State Horticulture Mission will be used for the purpose for which it is given and in case of misuse I am liable for any action deemed to be fit by Govt. of Telangana including recovery of the subsidy amount with 12% interest to the Government.

Signature of the Farmer / Entrepreneur.

Recommendations of the

Horticulture Officer _____.

Receipt

Received an application of Sri/Smt _____
S/o./D/o. _____ (V) _____, (M) _____,
Dist _____ On _____ for _____
scheme and this application will be considered after field verification on First come First serve Basis.

Horticulture Extension Officer

Signature

Horticulture Officer

CENTRE OF EXCELLENCE





బంగారు తెలంగాణ లక్ష్య సాధనలో ఉద్యానశాఖ

