

7. REFER VANS (Refrigerated Transport):

This component refers to Reefer Trucks – vehicle road transport with fixed insulated carriage body equipped with active refrigeration designed for temperature controlled carriage of horticulture produce. All refrigerated trucks supported under these guidelines must incorporate GPS based location tracking system and be installed with data logging temperature and humidity sensors. Varied vehicle capacities and sizes are supported.

Component Description

The cost norm is applicable for vehicles of multiple carriage capacity vehicles.

A Reefer Van must comply with all relevant rules and regulations in its manufacture and operations. A reefer truck comprises of the following-

1. Truck chassis with motive tractor and cabin with an Insulated chamber for reefer cargoes.
2. Insulated Doors with door securing and sealing system
3. Independently fuelled Refrigeration equipment with sufficient air flow depending on size of chamber. Reefer unit should be operable with dual power source.
4. GPS tracking enabled and data logging system to monitor humidity and temperature. At least four data loggers must be supplied with each vehicle.
5. Associated refrigeration monitoring and controlling panel.

Refrigerated trucks of Smaller capacity vehicles shall be supported through State Horticulture Missions. Vehicles of less than 4MT capacity (>12 m³ space) are normally not suitable for active refrigeration as the carriage space further reduces. However, new technologies allow this option and a case to case appraisal can be undertaken for these sizes.

There is no cap on the total number of vehicles but the transport must serve horticulture produce on at least one leg of its trip.

Note: 3 Cubic meters (Cum)/106 Cubic feet (Cft). of chamber volume shall be considered equivalent to one MT of storage capacity.

The ADH has to recommend for the joint inspection of the reefer van after completion of the following:

- i) Fabrication of the van is to be completed
- ii) The van should be painted with logo of MIDH and assisted by department of horticulture and MIDH.

The ADH shall conduct joint inspection with the members constituted by this office and the joint inspection reports have to be submitted in the format. Based on the recommendations of the Committee, the final installment of the subsidy shall be released to the concerned bank of the promoter through online transfer.

DOCUMENTS TO BE SUBMITTED ALONG WITH PROPOSAL & JOINT INSPECTION REPORT

- (a) Copy of proforma invoice of chassis, body and refrigeration units of the vehicles duly confirmed by the lending bank (to be attached to the proposal).
- (b) Copy of the payment receipts of chassis, body and refrigeration unit etc. of the vehicles duly confirmed by the lending bank (to be send along with joint inspection report).
- (c) Copy of the delivery challans of the body and chassis of the vehicles (to be send along with joint inspection report).

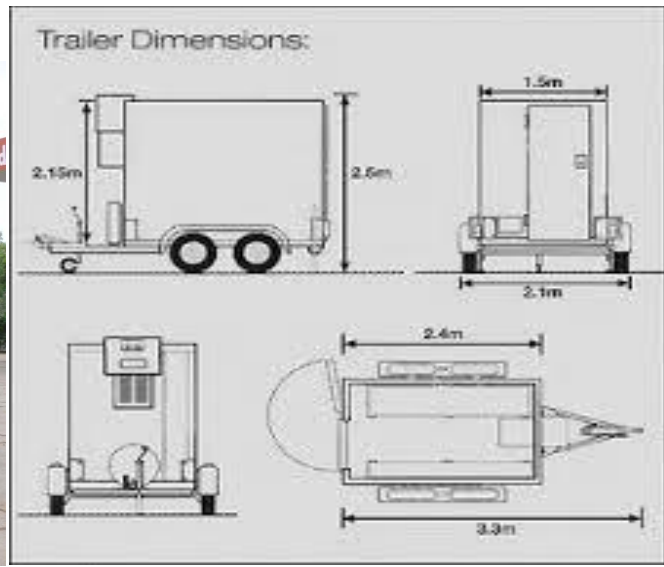
BASIC DATA

TECHNICAL DETAILS

#	Component: Reefer Container	Description
1	Container dimensions	20 standard: 8' x 8.5' x 20', 27 to 28 cum
2	Insulation details	Thermal Conductivity value / mm
3	Tare weight	kgs
4	Gross weight	Kgs
5	Temperature recording	type
6	GPS System	Must be fitted
7	Refrigeration capacity	kW
8	Refrigerant used	Technical name of refrigerant
9	Fresh air exchange	Describe system fitted
10	Diesel/electric auto-switching	Describe dual power unit
11	Air flow cum/hr (CFM)	Evaporator air flow in CFM
12	Temperature control precision +/- °C	Precision in controls in °C
13	Name of Manufacturer	
14	Year of manufacture	
15	Any design enhancement	Describe design changes is any

SPECIFICATIONS & DIAGRAMS (FOR REFERENCE ONLY)

Type	refrigerator truck body, freezer vans box
Truck type	Isuzu, FAW, Dongfeng, JAC, Foton and so on
Material	FRP sandwich polyurethane panel
Size	Length 2-10m, Width 1-10m, Height 1-10m
Door Frame	1.5mm stainless steel
Floor	aluminum sheet / FRP / Stainless Steel
Panels	Fiberglass Sandwich Polyurethane
Ceiling Light Quantity	1 Set of LED
Thickness of panel	40mm, 52mm, 62mm, 72mm, 82mm, 102mm or as requested
Side door	Optional
Temperature	-18°C ~ +25°C



CHECK LIST

S. No.	DESCRIPTION	PAGE NO
1.	Application Form along with Appraisal Report	
2.	Basic Data Sheet with Complete Technical Aspects	
3.	Detailed Project Report MIDH Guidelines	
4.	Bank Sanction Letter along with appraisal Report	
5.	Approval from Gram Panchayat / Municipality / Town Planning	
6.	SSI Registration Certificate	
7.	Fire Department Approval	
8.	PAN Card Copy of the unit	
9.	Electricity Approval	
10.	DMC Approval	
11.	Promoter's Affidavit as per Prescribed Format	
12.	Land Document	
13.	Land Conversion Certificate	
14.	Certificate from Civil Design Engineer	
15.	Certificate from Bank for Non-Availing Subsidy from any other State/Central Govt. Department.	
16.	Insurance of the Fixed Assets	

APPLICATION FOR AVAILING ASSISTANCE / SUBSIDY UNDER MIDH

(COMPONENT: REFER VAN (REFRIGERATED TRANSPORT))

Name of the Scheme: Post Harvest Management

- 1 Name of the Farmer :
- 2 Father / Husband Name :
- 3 Caste (SC/ST/BC/OC) :
- 4 Address: :
- Phone / Cell No.: :
5. Total Cost of Refer Van :
(break-up may be attached)
- 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.

Enclosures: 1. Affidavit
2. Pattadar Pass Book
3. Detailed Project Estimate by Civil Engineer
(Regd. No. along with Seal)

Signature of the Farmer / Entrepreneur.

Recommendations of the Horticulture Officer : _____

Horticulture Engineer

Horticulture Officer

Asst. Director of Horticulture.

FINAL JOINT INSPECTION REPORT OF REEFER VAN

Name of the Firm : _____

District : _____

Place : _____

Account No : _____

(Rs. In Lakhs)

Sl. No.	Particulars	Project Cost		Actual investment		Remarks
		As per project report	As appraised by Banker	Loan amount released by Banker	Promoters Margin money	
1	2	3	4	5	6	7
1.	Cost on vehicle					
2.	Cost of the refrigeration unit & container					
3.	Cost of fabrication					
4.	Others					
	Total:					

Sri,S/o.
 has purchased Refrigerated Van (Reefer Van) for transport of horticulture produce as per technical specifications of MIDH with refrigeration unit of Makewith model no.with capacityMT with vehicle registration no.

Sri. is eligible for Rs. _____/- towards purchase of reefer van. It is certified that the van was displayed with logo of MIDH and also written as "THE FINANCIAL ASSISTANCE GIVEN BY DEPARTMENT OF HORTICUTLURE & MIDH" on the van. The vehicle purchase bills were verified.

It is recommended to release subsidy of Rs. _____/- to Sri.

Name & Signature of Applicant

Name & Signature of Expert

Name & Signature of Inspecting Officer (Bank)

Name & Signature of ADH concerned

Name & Signature of Senior Officer from MIDH

FORMAT

(Forwarding letter of Bank for Conducting JIT)
Name & Full Address of the FI/Bank (on letter head)

To
The Mission Director & Commissioner of Horticulture,
Govt. of Andhra Pradesh,
Public Gardens, Nampally,
GUNTUR

Subject : Request for Joint Inspection of the project

Sir,

MIDH, A.P., had released Rs. as credit linked back-ended subsidy in respect of project of _____ Village _____ District _____ State Vide letter no As per instruction, the subsidy amount has been kept in Subsidy Reserve Fund account of the bank and interest benefit is being passed on to the beneficiary. Now project is complete as per original proposal and we have also disbursed full Term loan sanctioned for the above mentioned project. In addition to documents submitted by bank at the time of claim of subsidy such as copy of the Appraisal Note, Term Loan sanction letter, copy of Record of Right, following documents required for Joint Inspection are being submitted with the request to conduct Joint Inspection of the project to decide final subsidy claim.

S. No	Particulars	Enclosed or Not
1	Details of date-wise release of term loan	
2	Completion certificate by Bank/FIs	
3	Undertaking from promoter (as prescribed by NHM)	
4	Extract of subsidy reserve fund account of bank in which estimated subsidy has been kept	

It is certified that the original of above documents and documents submitted at the time of subsidy claim by bank pertaining to the projects are kept in Bank/FI, which can be shown at the time of random monitoring by the Department or any agency authorized by the Department.

(Seal and Signature of the Bank's Officer)

Name : _____

Name of the Bank :

Address :

Phone/Fax/Mobile No.: _____

Place : _____

Date : _____