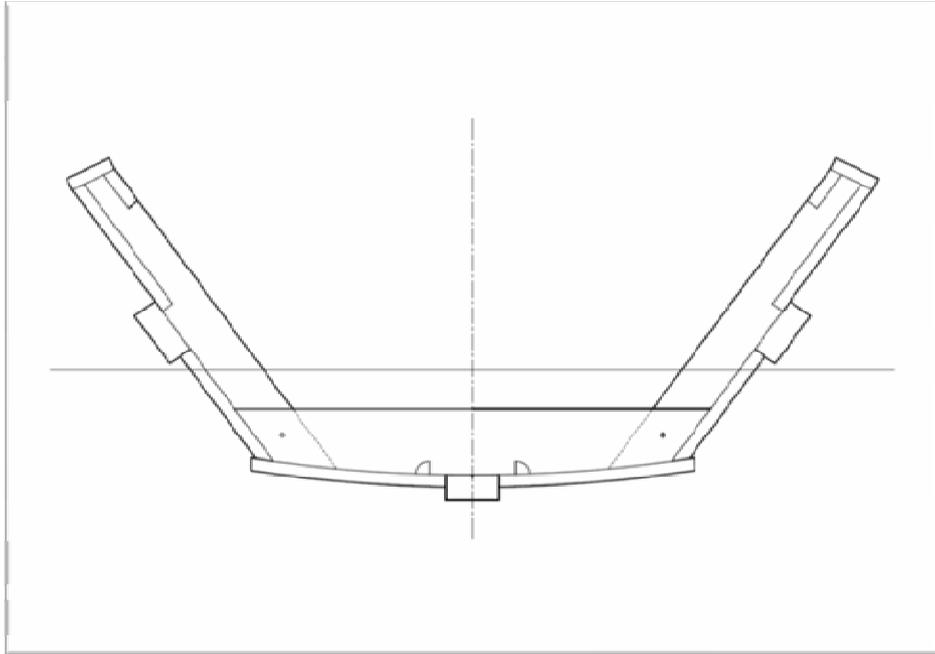


Building small wooden boats in Myanmar

12 ft & 18 ft Multi-purpose boats



**Immediate Rehabilitation of Subsistence Fisheries Livelihoods
in Areas Affected by Cyclone Nargis (OSRO/MYA/805/SWE)
Funded by the Government of Sweden**

Cover photograph:

Completed boat of the 12ft and 18ft designs at the boatyard in Kungyangon. FAO/D. Davy

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Preparation of this document

This manual has been developed from information collected during a Food and Agriculture Organization (FAO) project on “Immediate Rehabilitation of Subsistence Fisheries Livelihoods in Areas Affected by Cyclone Nargis” (OSRO/MYA/805/SWE), funded by the Government of Sweden.

The manual draws on experience gained during a boatbuilding demonstration project in the village of Kathit Kone, near Kungyangon training, in Myanmar in 2009, where a number of boats of the 12 ft design and nine of the 18 ft design were built. Daniel Davy, FAO Consultant Naval Architect, was responsible for the final designs, and Kilian Svensson, FAO Consultant Master Boatbuilder, was responsible for organizing and conducting the boatbuilding activities. The preparation of this manual was completed under the technical supervision of Ari Gudmundsson, Fishery Industry Officer (Vessels), Fisheries and Aquaculture Department and with the support of Emergency Operations and Rehabilitation Division, Technical Cooperation Department, FAO, Rome, Italy.

Abstract

This step-by-step manual contains information on the construction of small multi-purpose boats typical of those found in the Ayeyarwaddy Delta in Myanmar. Its purpose is to give organizations access to detailed information on boatbuilding, which will allow the production of small boats appropriate to the Delta. The manual is also intended to assist organizations in their understanding of the boatbuilding process and to provide guidelines on good practice. It should assist in the review of contracts and quality control in boatbuilding.

The manual provides information on two boat designs: 12 ft and 18 ft boats. It also gives the scantlings and material requirements as well as the guidelines for selecting and using timber for the boat construction. The largest part of the manual describes how to build the boats step-by-step. Finally, the manual contains boatbuilding guidelines for wooden boats of less than 7 m in length and operating at speeds of less than 12 knots.

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