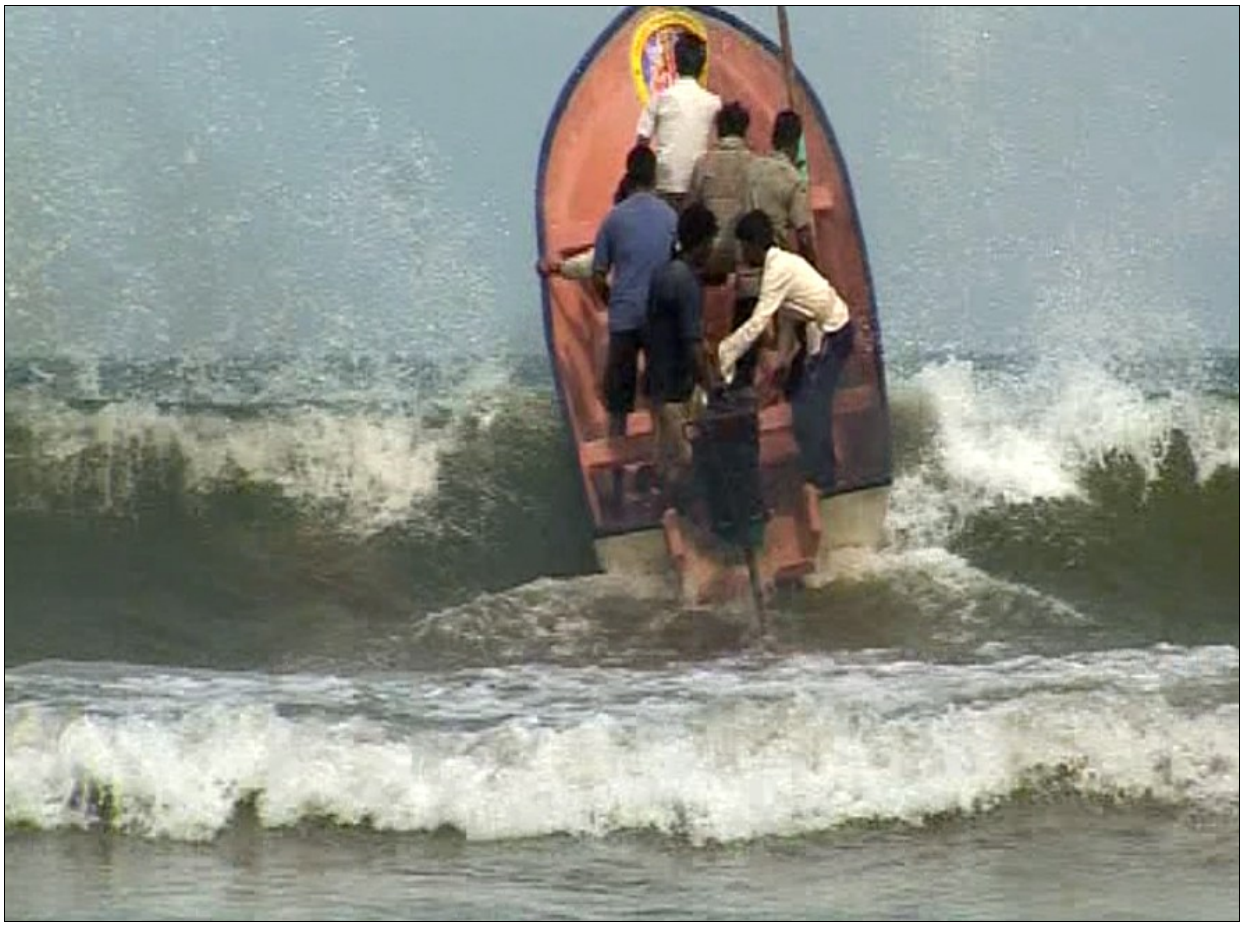
BOAT BUILDING SEQUENCE (In brief, through Photos)

This was taken up as a "**challenge project**" to showcase the processes involved in CONCEPT-TO-TECHNOLOGY Development. It was begun on April 1, 2011 at Gayathri Vidya Parishad College of Engineering (Visakhapatnam) … and completed within the stipulated time of Three months, by June 30 2011.

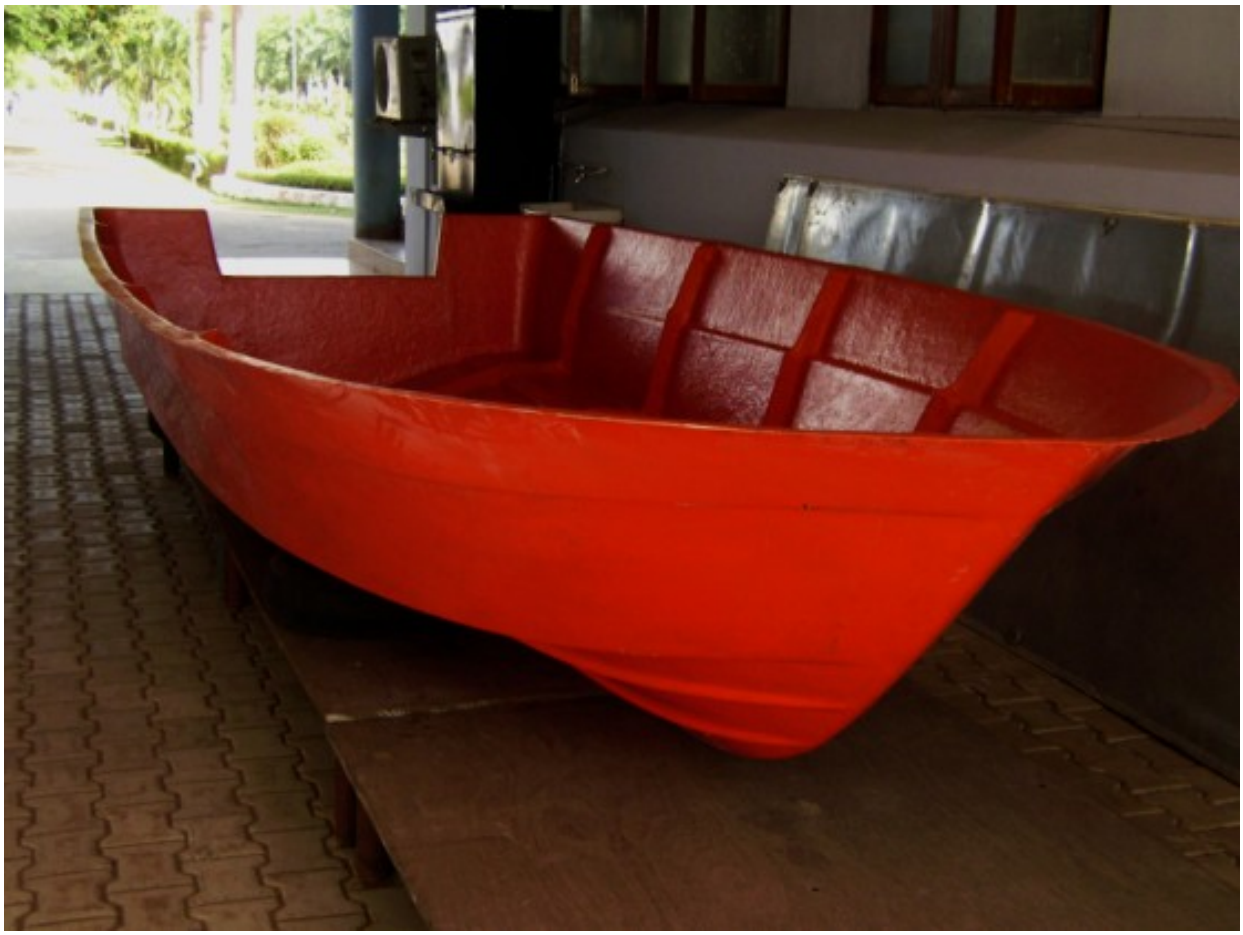
The subject: *Starting with the idea that Basket Weaver Skills in weaving beautiful baskets could be utilized to convert Woven (split) Bamboo into Hybrid Engineering Composites ... designing, fabricating a dinghy and running the same in the sea for seaworthy test*.

ENERGY & MATERIALS
AGRO-BIOGENICS
PEOPLE
WORKING TOWARD MITIGATING TWIN-PROBLEM OF GLOBAL WARMING AND POVERTY

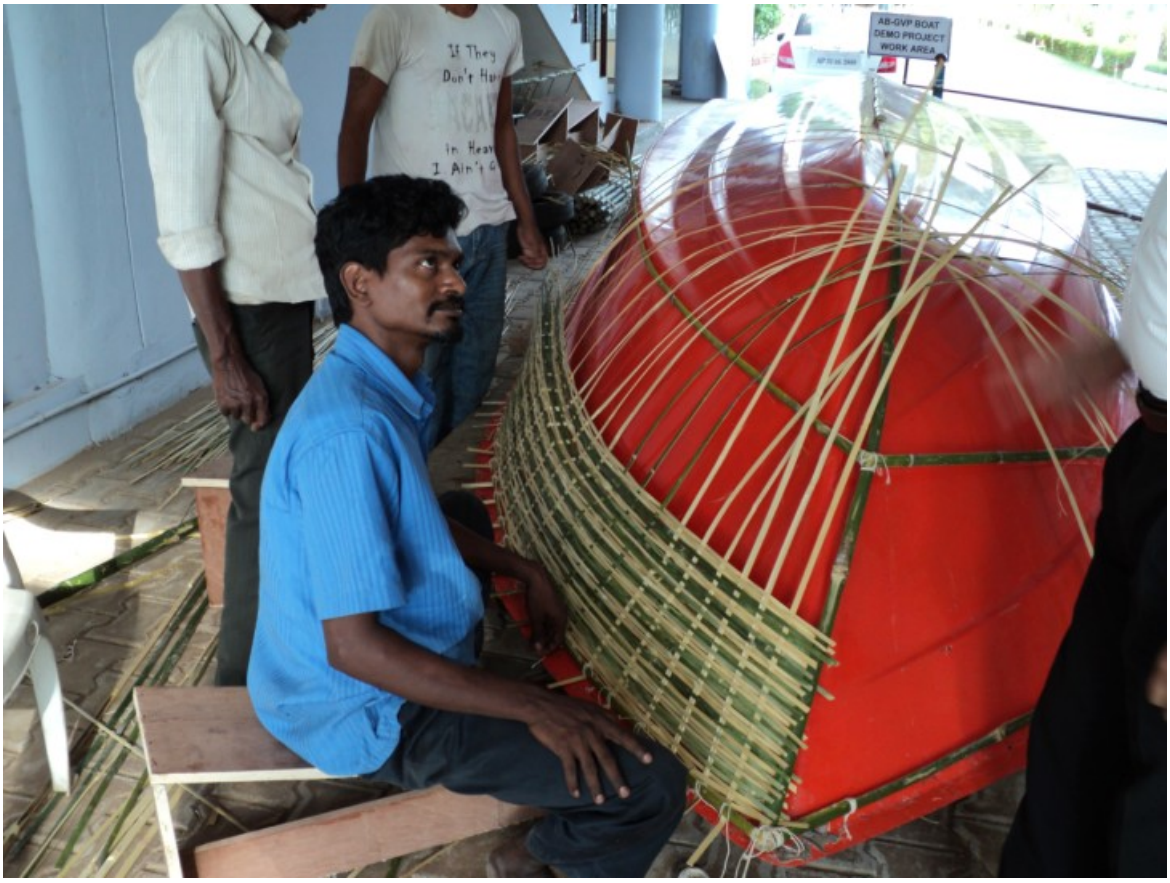
AGRO-BIOGENICS (Clean-Tech) Pvt Ltd
Bangalore – 560003 – India
July 2011



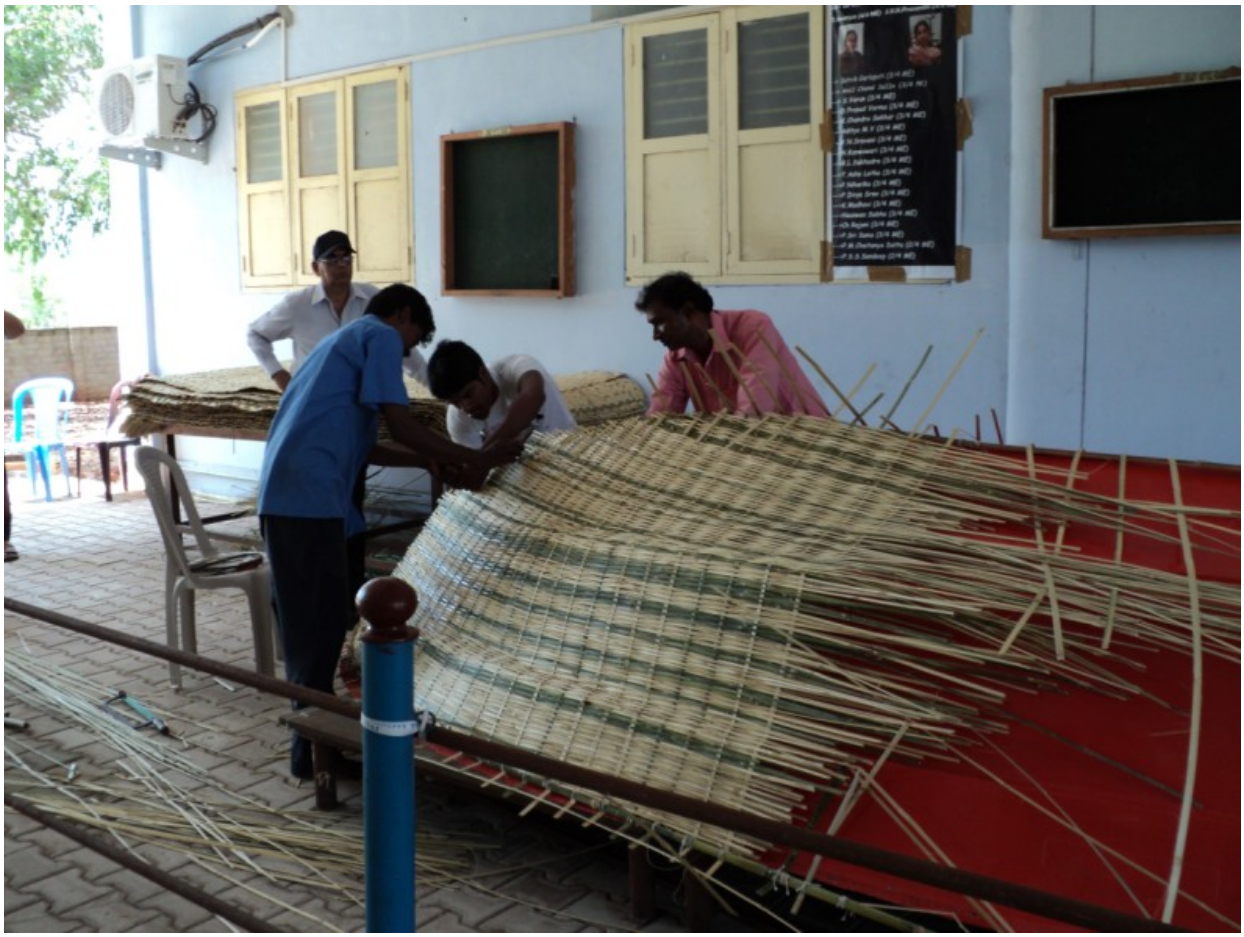
THE FABRICATED BOAT/ DINGHY NEGOTIATING AN INCOMING TIDE



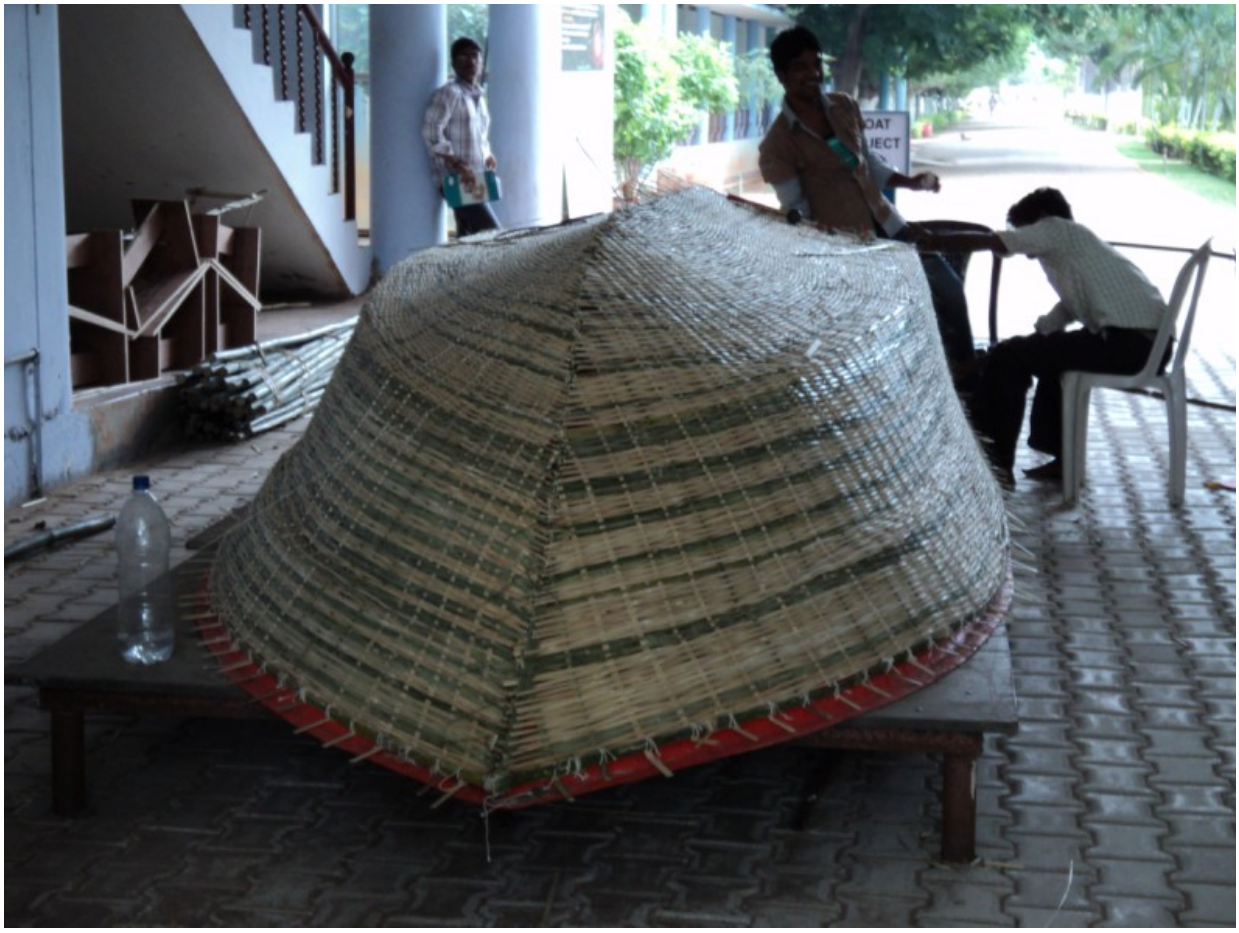
TEMPLATE FOR TE BOAT/ DINGHY



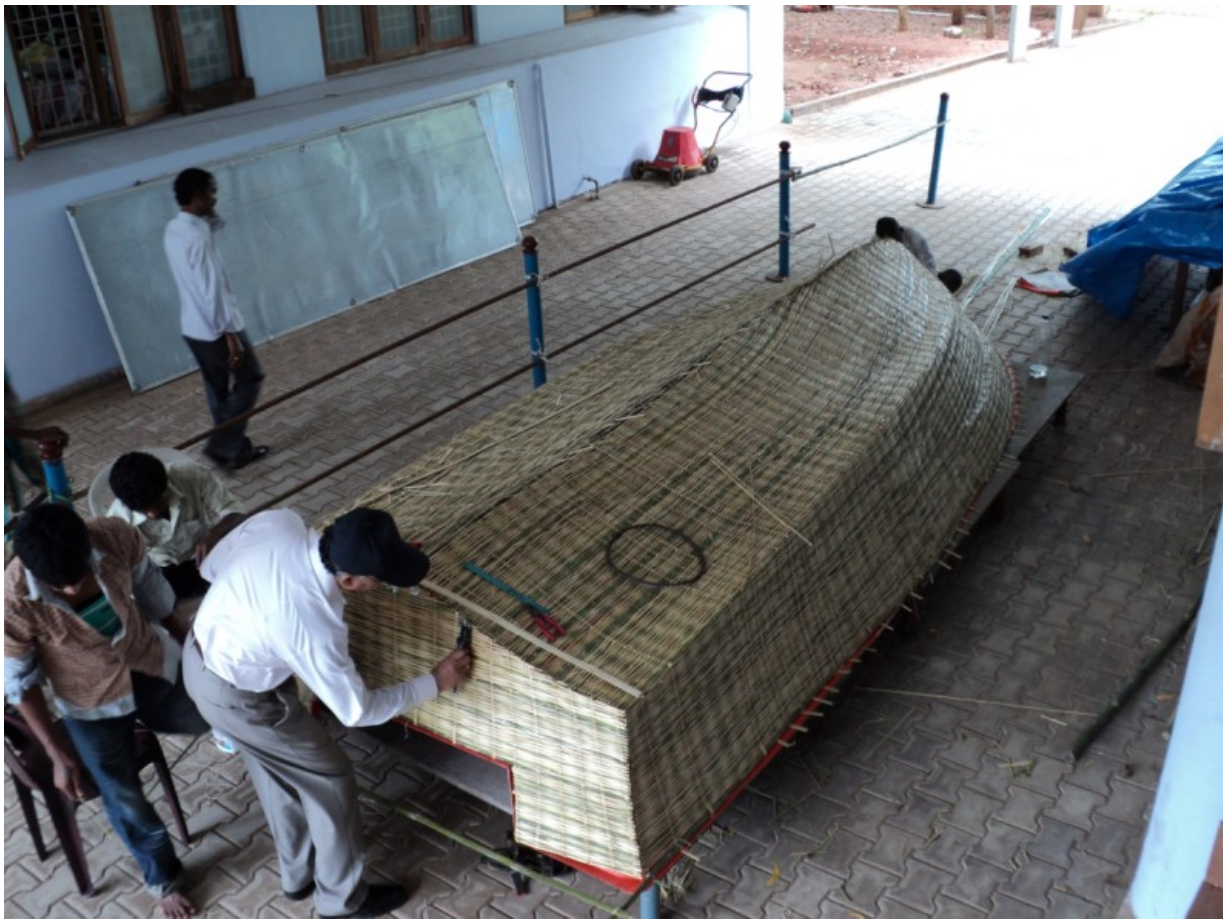
Bamboo-Basket Weavers Weaving Boat Shape



Bamboo-Weaves Continuing

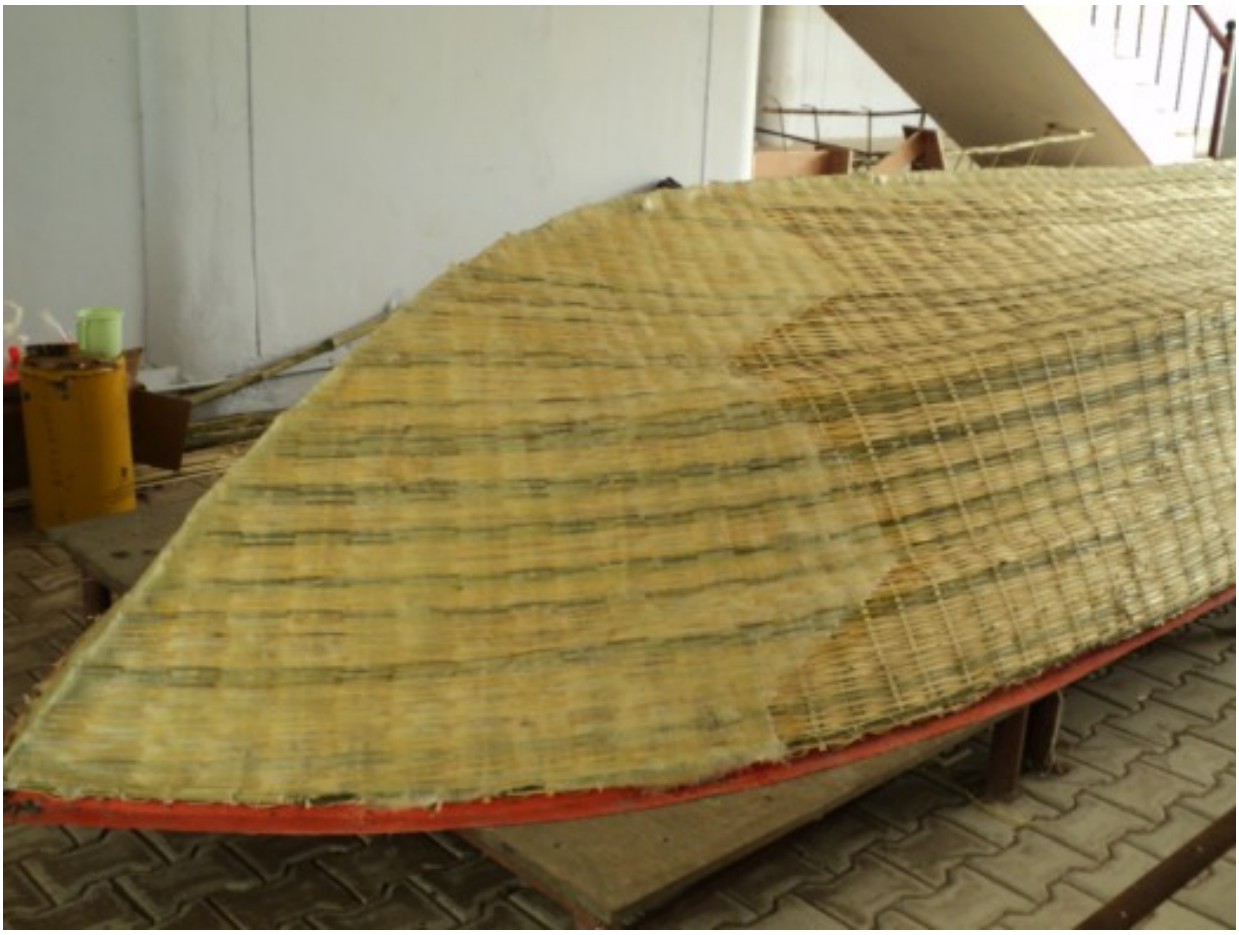


Bamboo-Weaves Completed



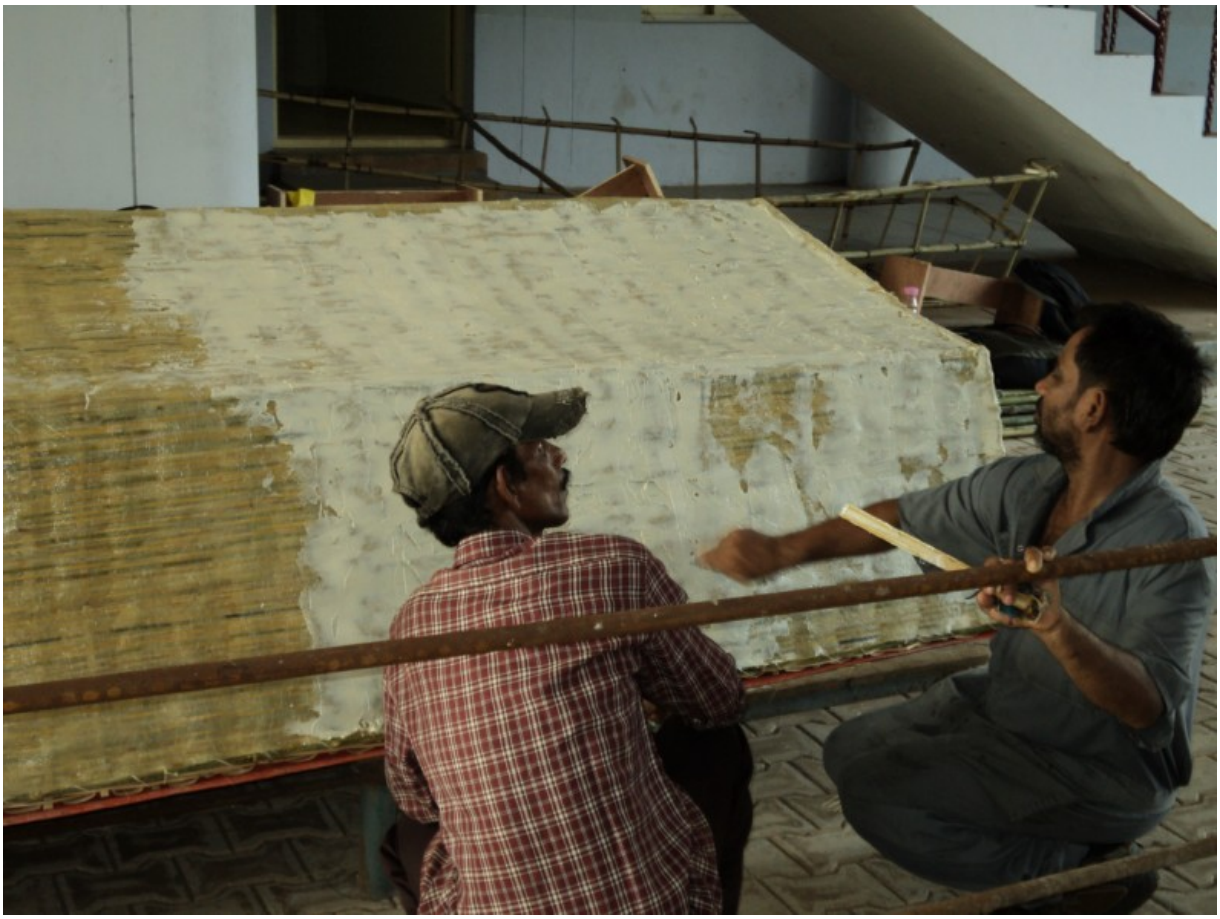
Checking the Bamboo-Weaves

APPLYING COATING ON BAMBOO-MAT BOAT WEAVE

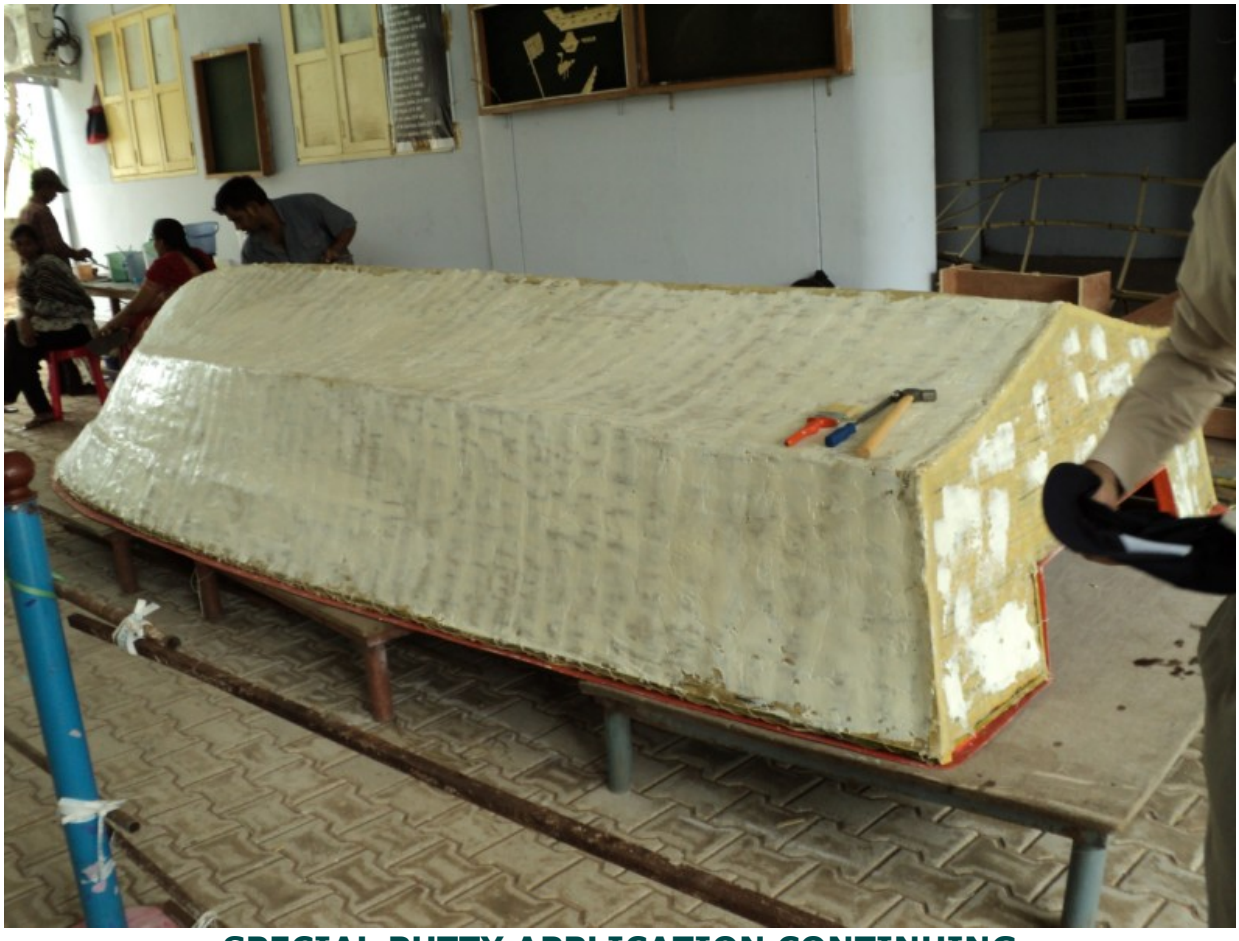


GLASS-FIBER EPOXY LAYER APPLICATION ON BAMBOO-WEAVES

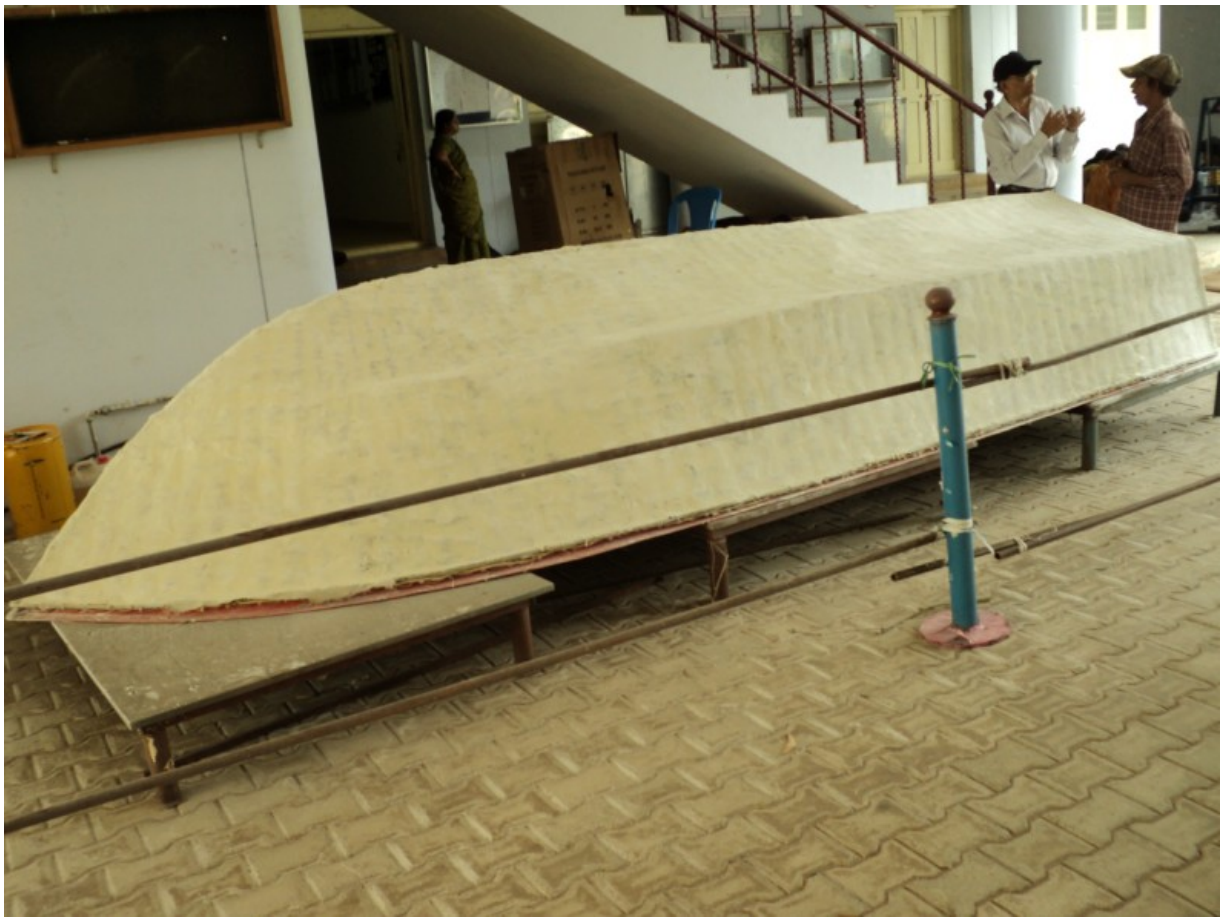
GLASS-FIBER POLYMER COMPOSITE APPLICATION CONTINUING



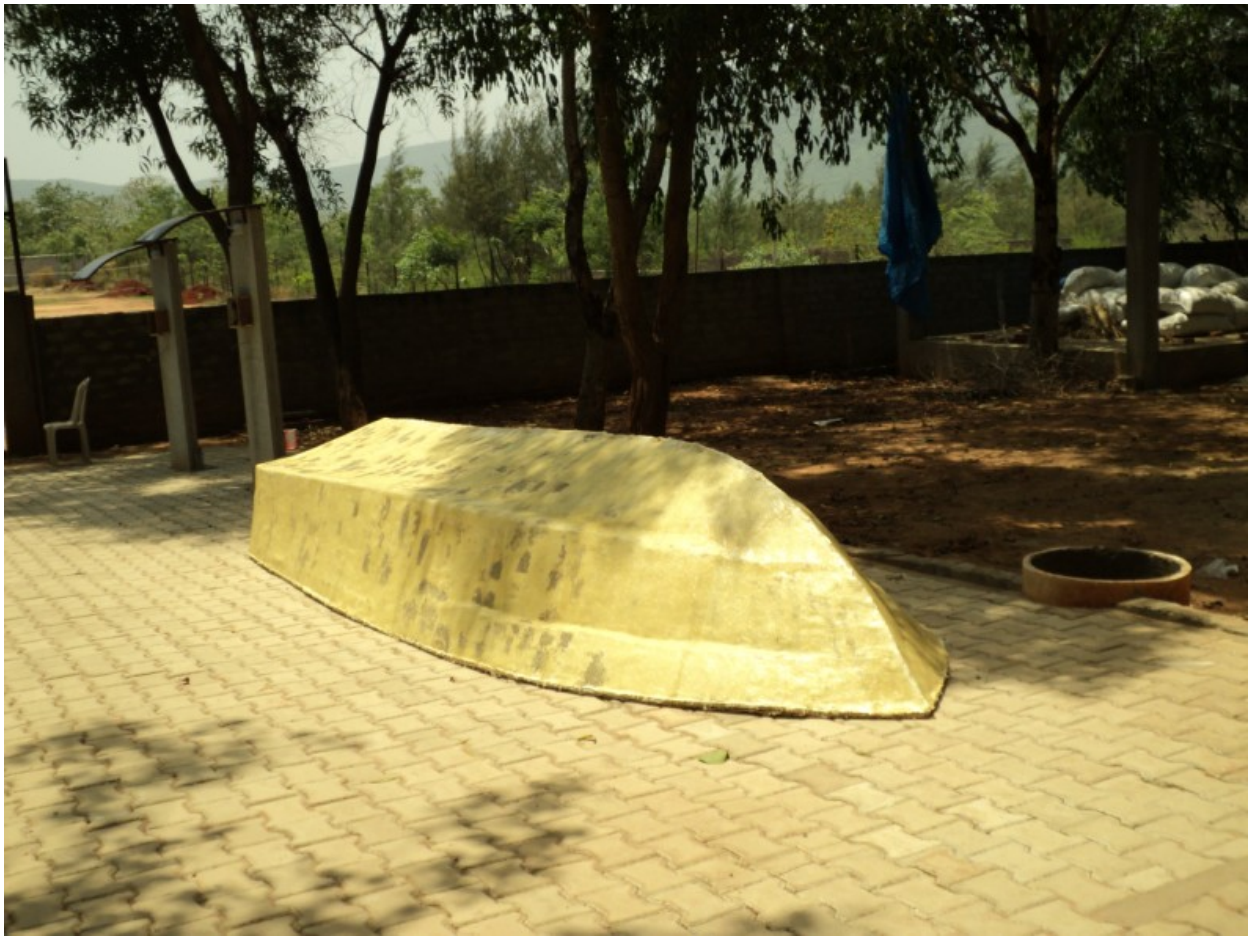
SPECIAL HIGH-STRENGTH PUTTY COMPOSITE APPLICATION



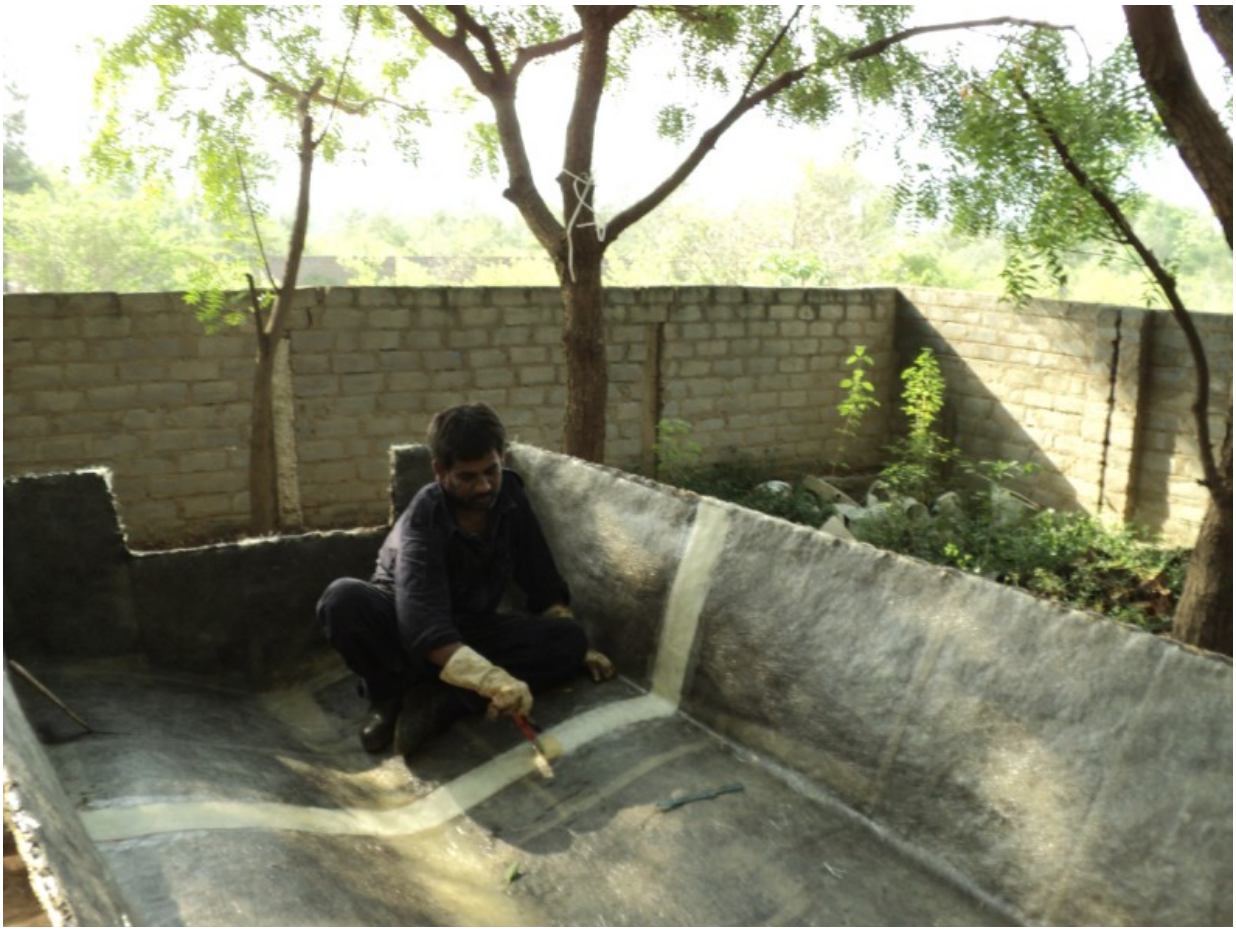
SPECIAL PUTTY APPLICATION CONTINUING



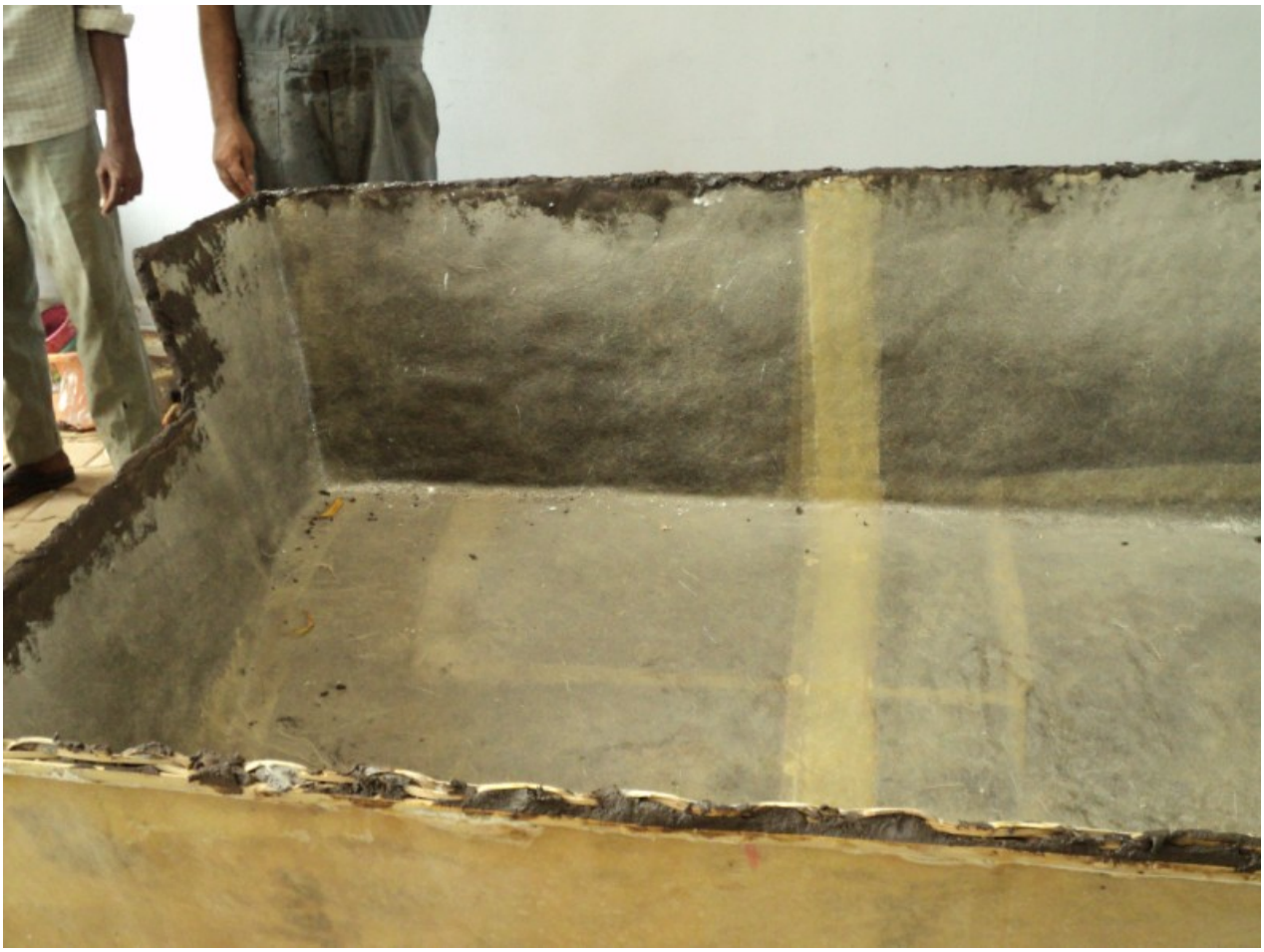
OUTER LAYERS OF GLASS FIBER + PUTTY APPLICATION COMPLETED

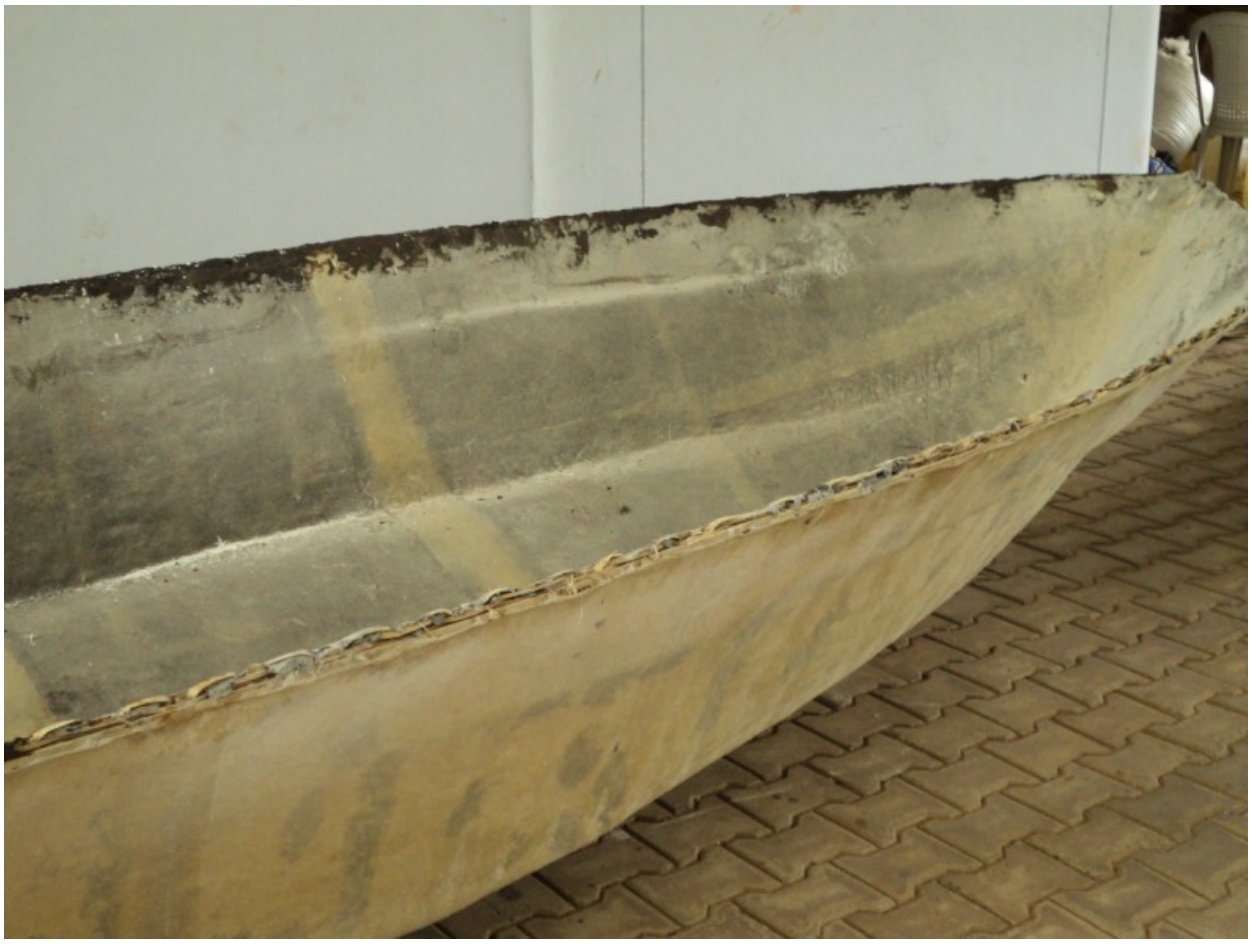


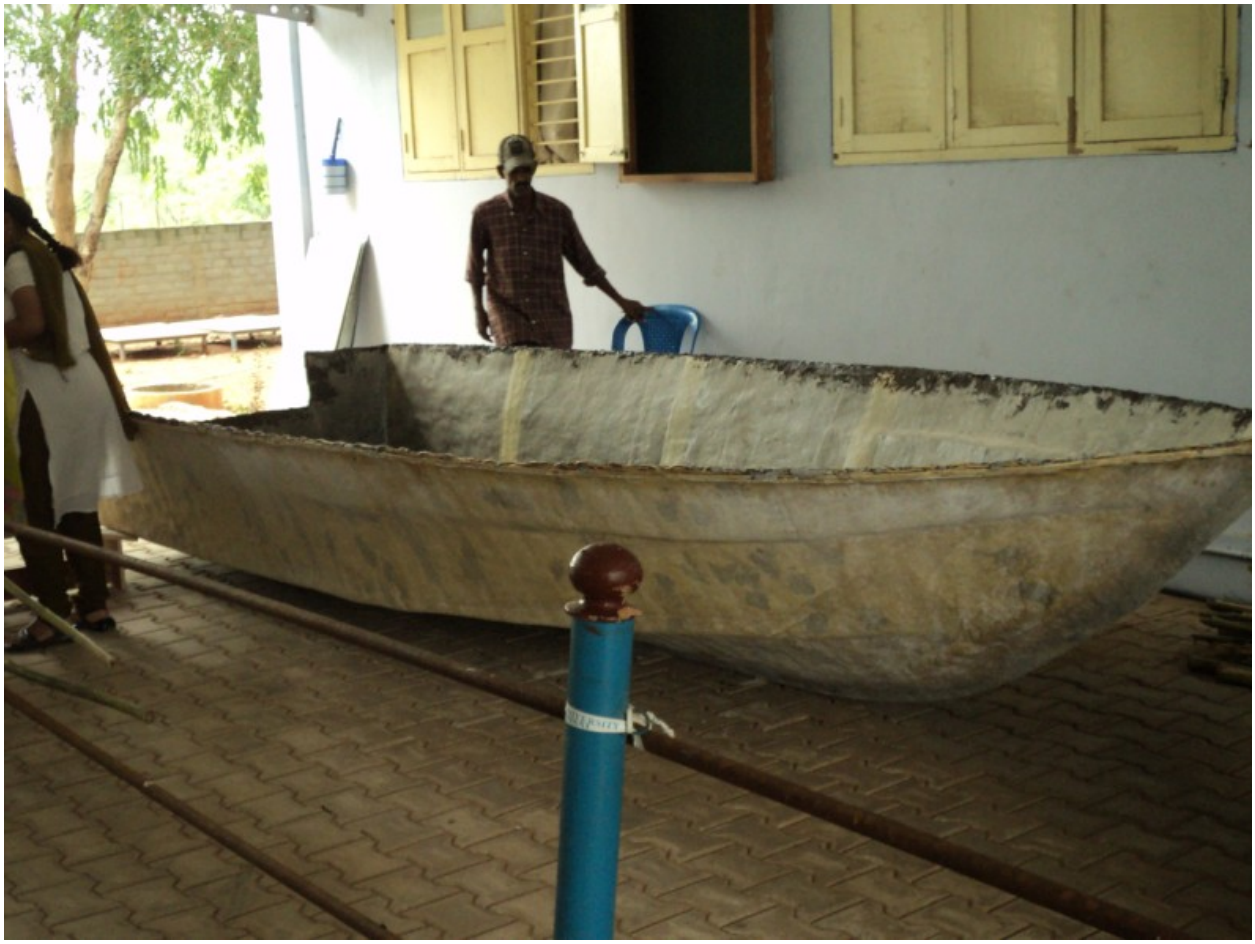
THE OUTER LAYERS WORKS COMPLETED DINGHY



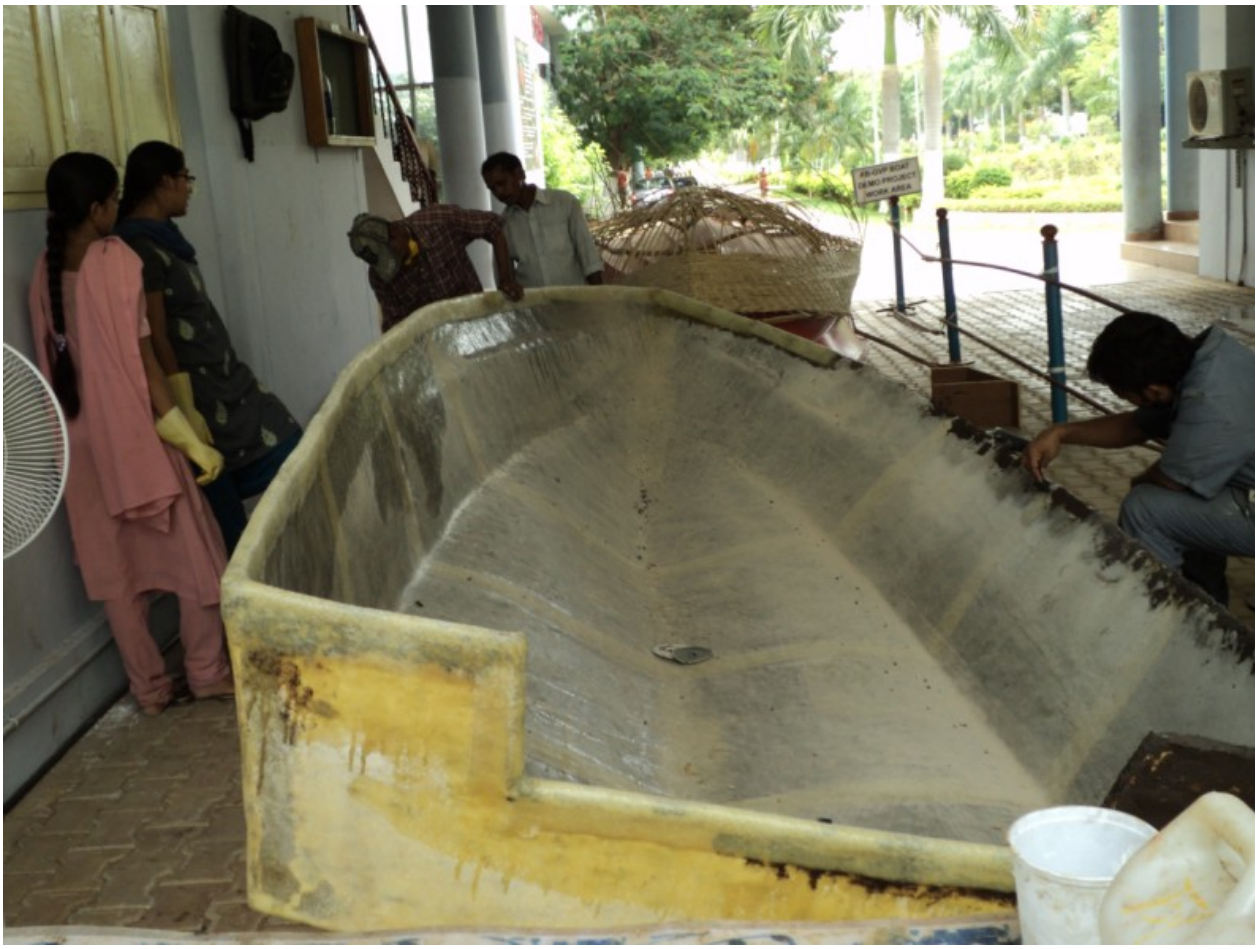
INNER LAYERS BEING STRENGTHENED WITH GLASS-FIBER SYSTEM



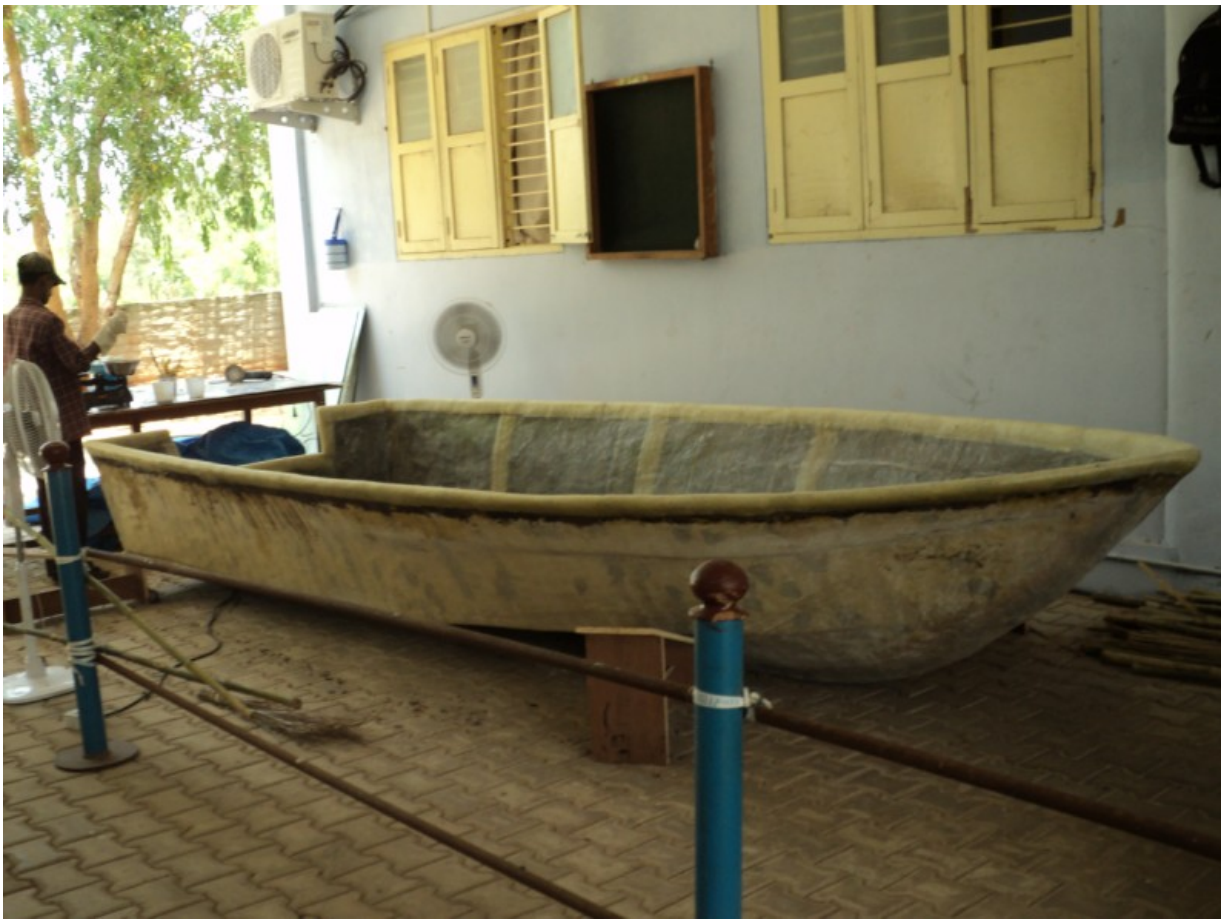




BOTH INNER AND OUTER LAYERS COMPLETELY STRENGTHENED

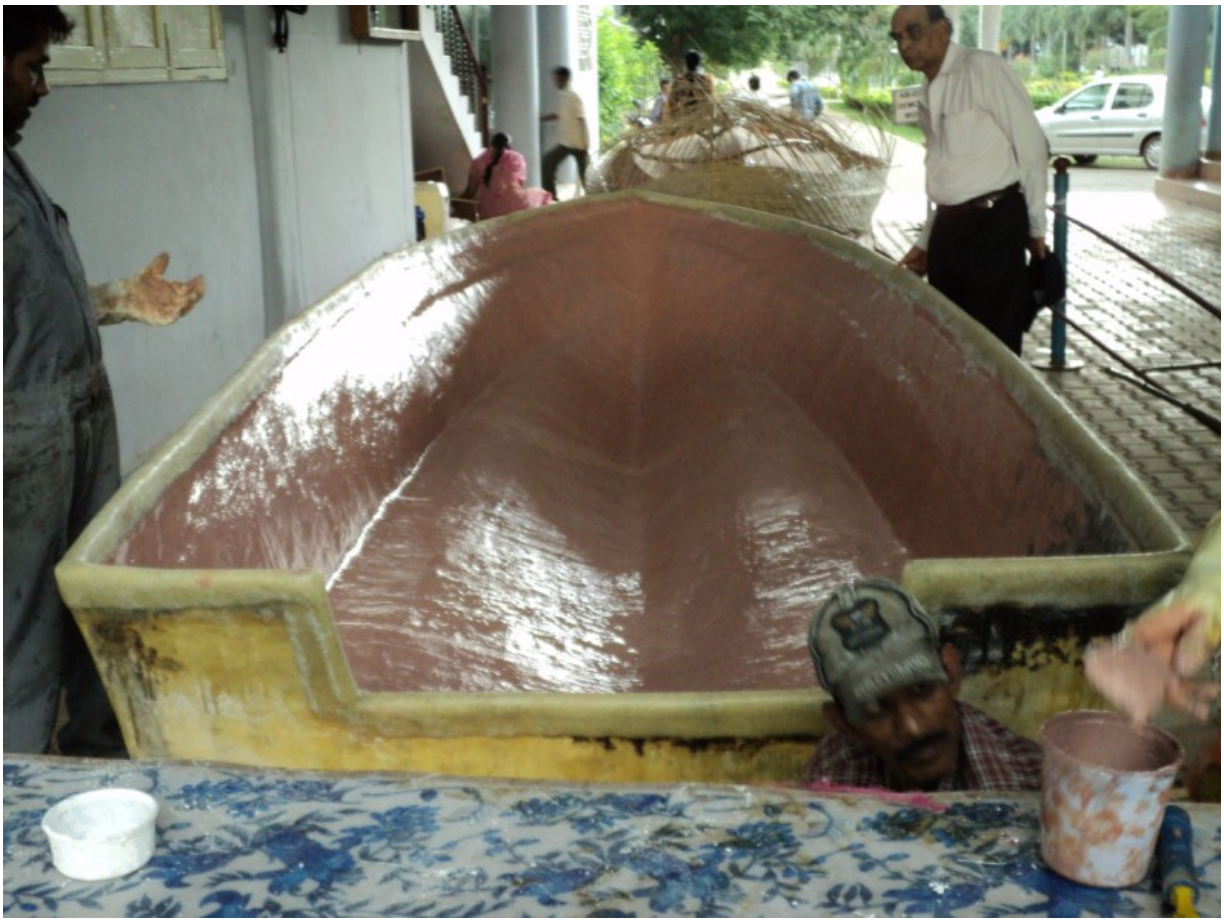


RIM OF THE DINGHY BEING CONSTRUCTED FOR EXCELLENT STRENGTH

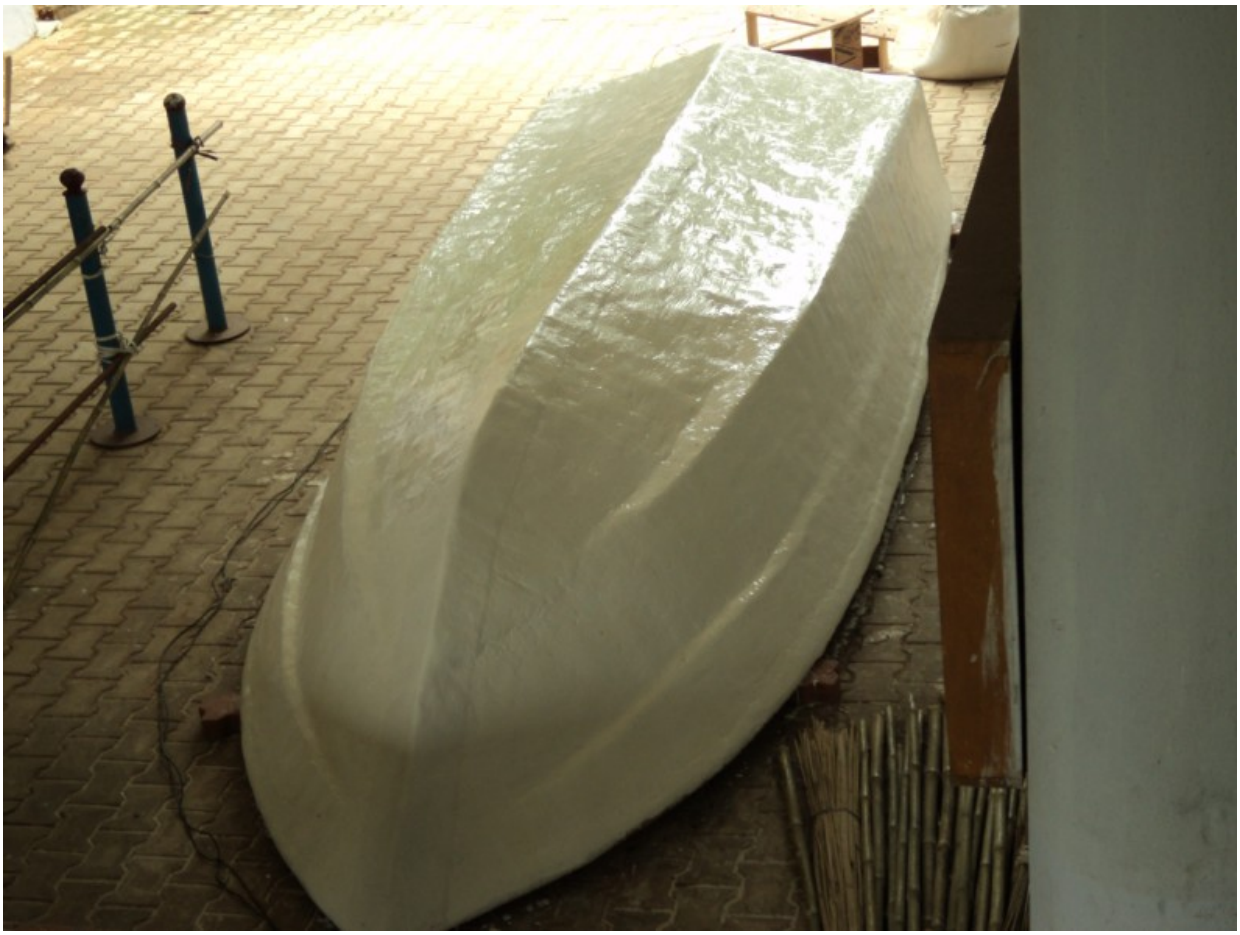


RIM COMPLETED

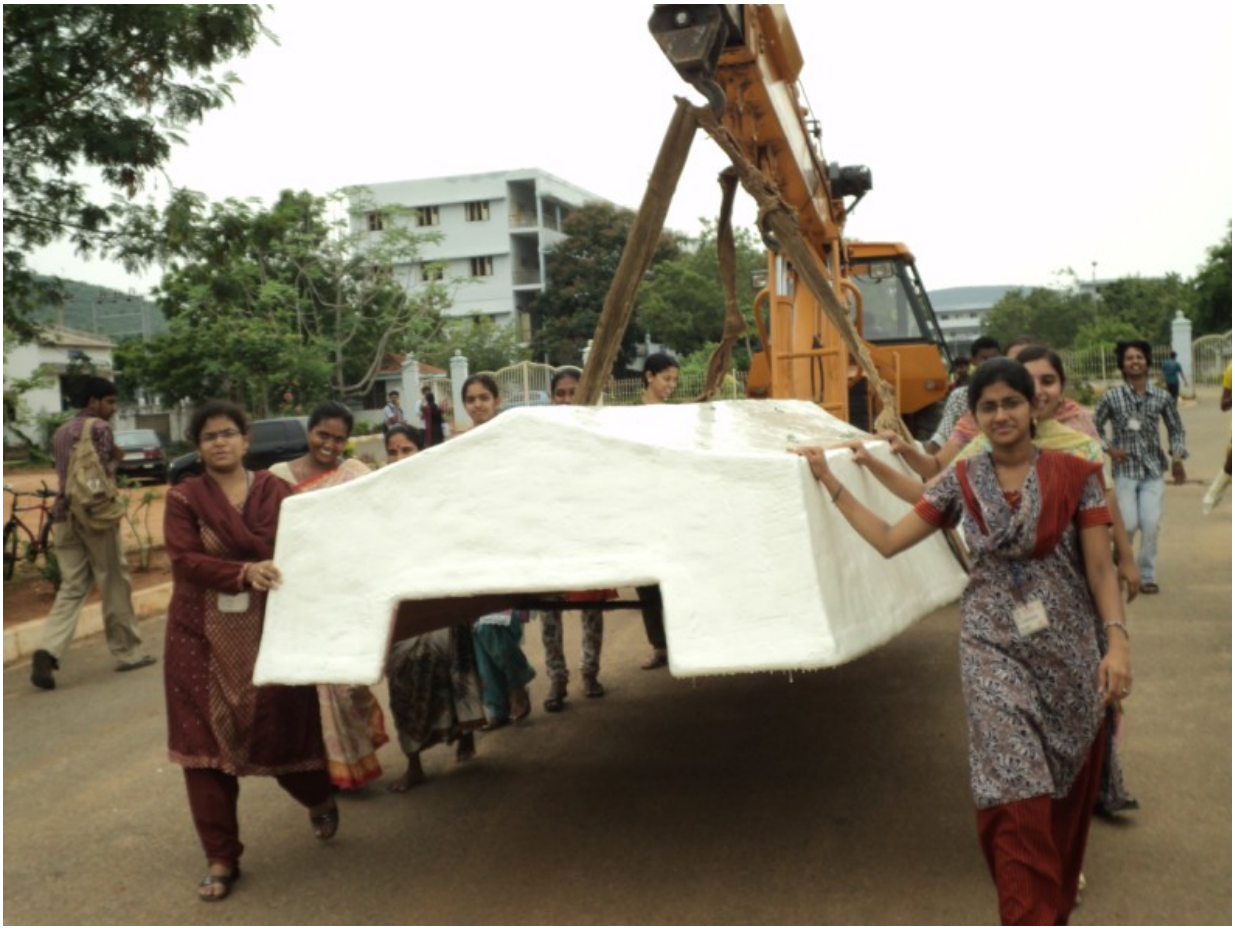
HIGH STRENGTH ULTRAVIOLET RAY RESISTANT INSIDE COATING



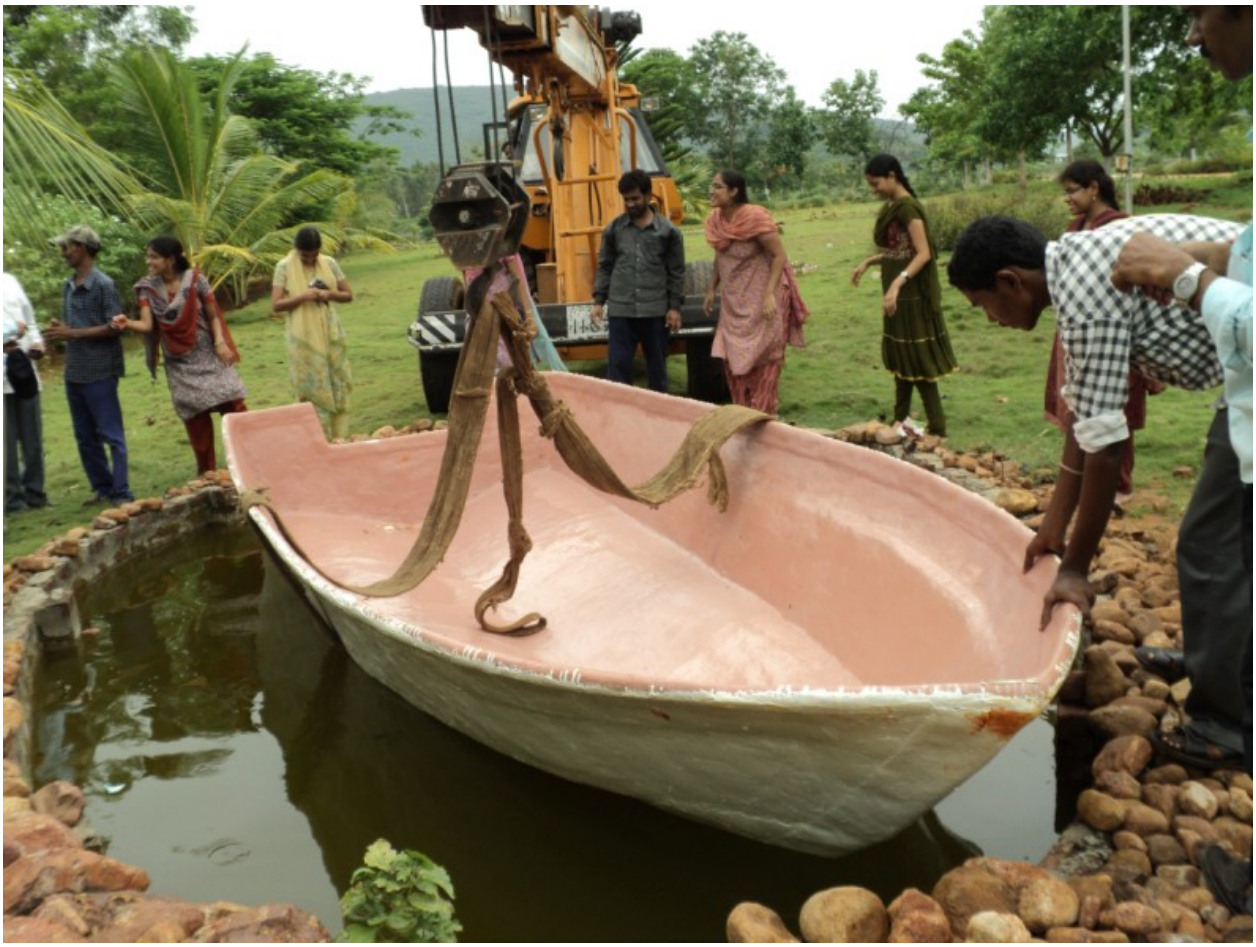
INSIDE SPECIALTY COATING BEING COMPLETED



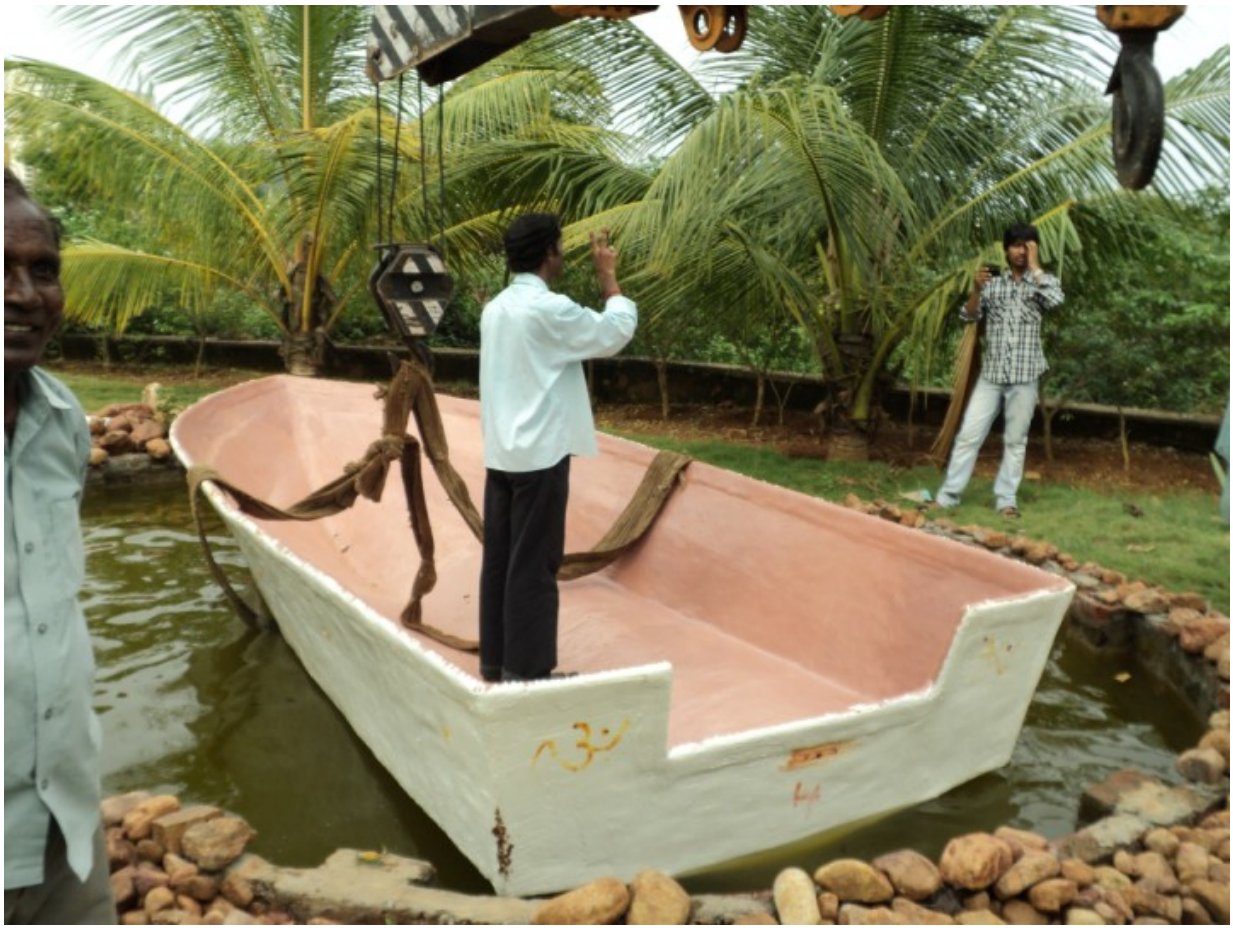
THE DINGHY READY FOR BUOYANCY TEST



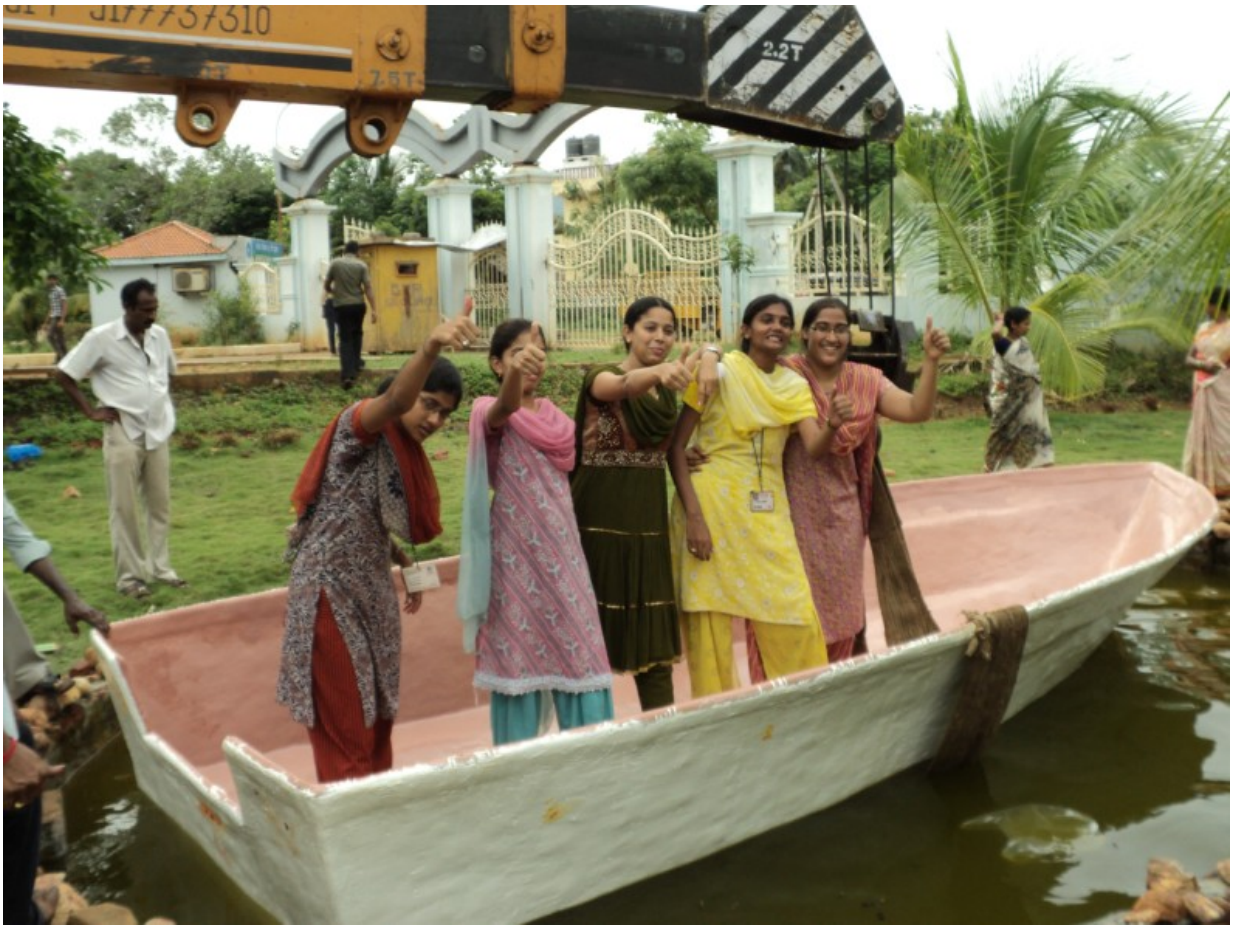
MOVING THE DINGHY BY CRANE TO THE POND



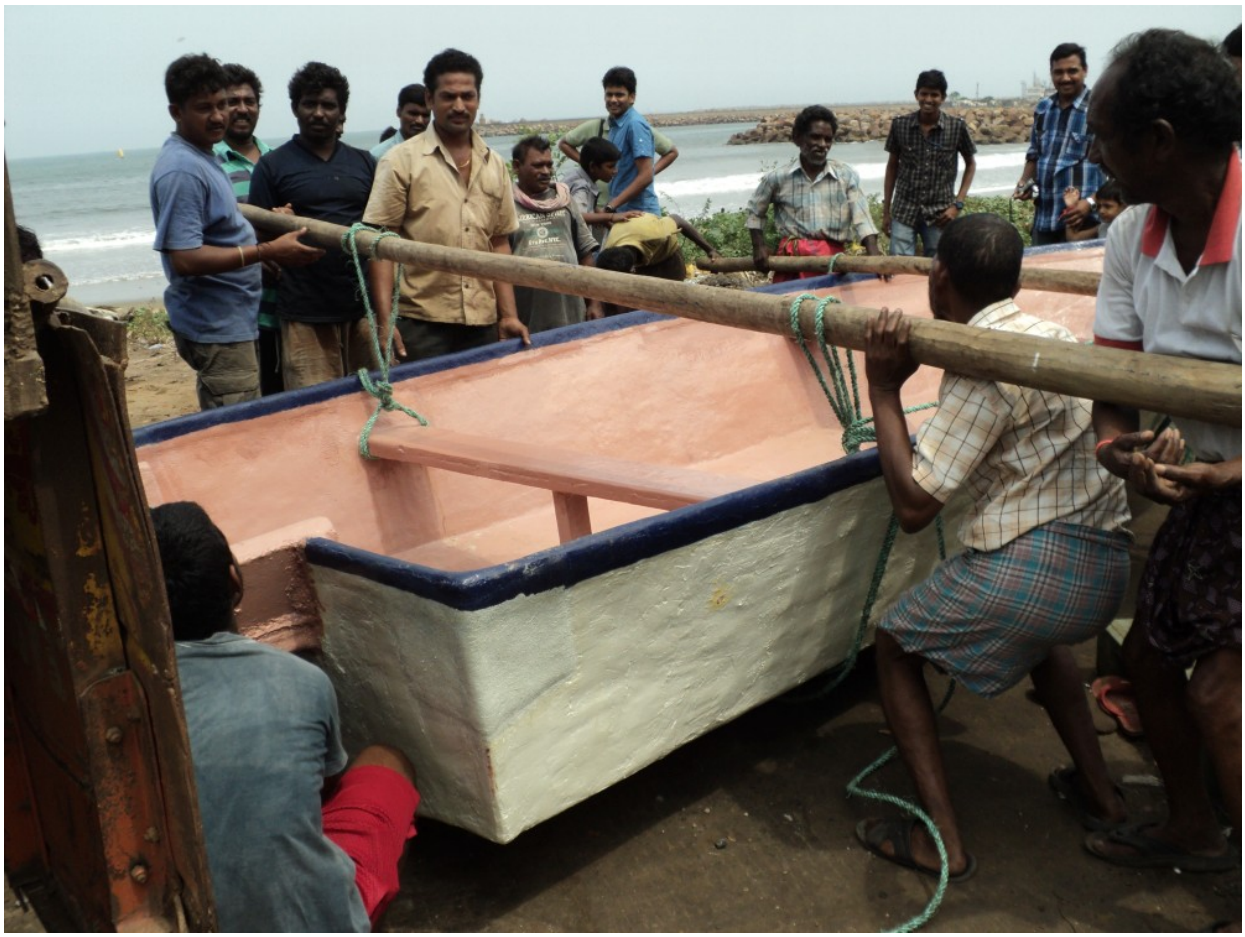
THE BUOYANCY TEST (PASSED … EXCELLENT!)



BUOYANCY TEST IN POND

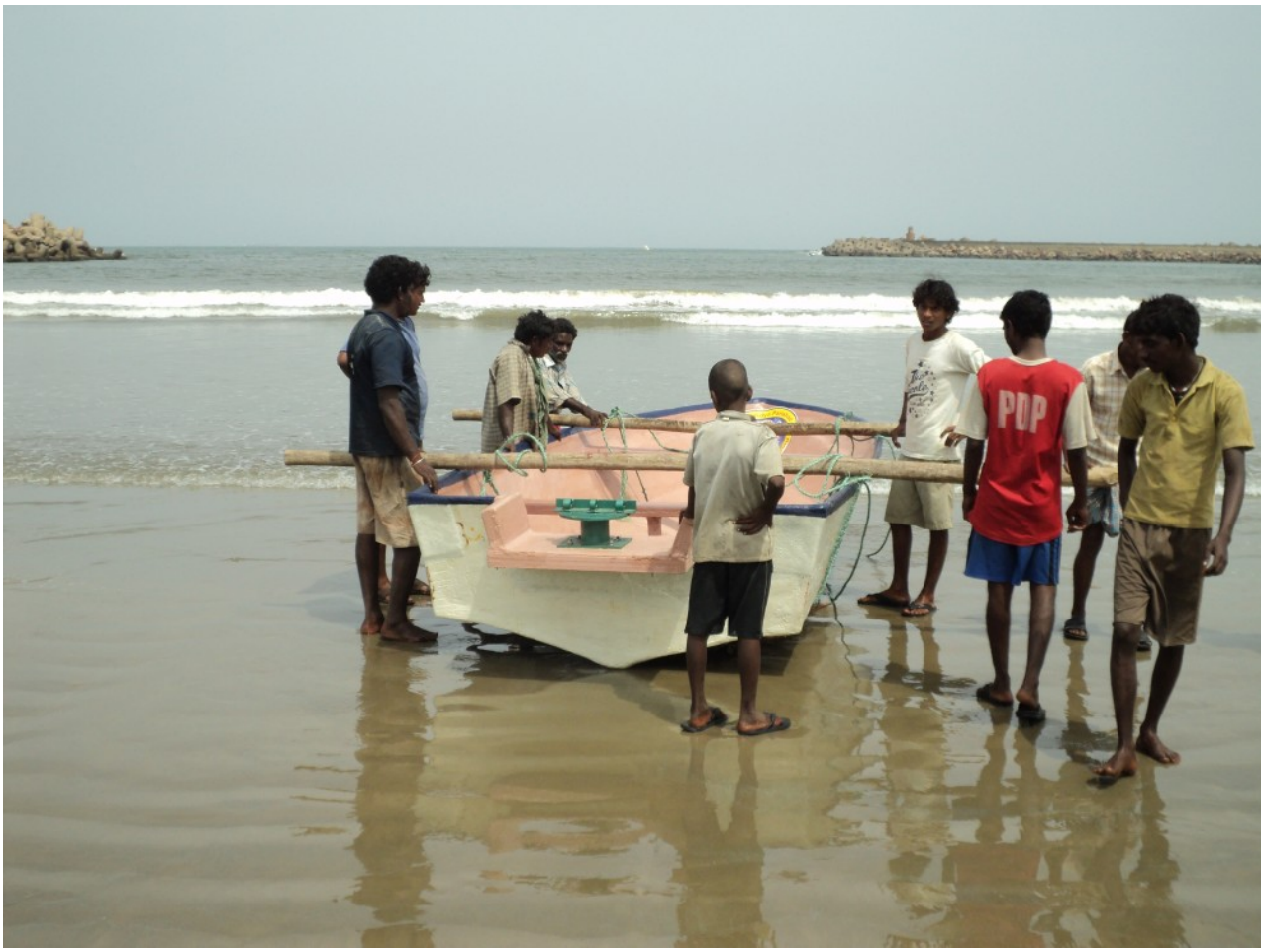


COMPLETED DINGHY READY FOR TRIAL RUN

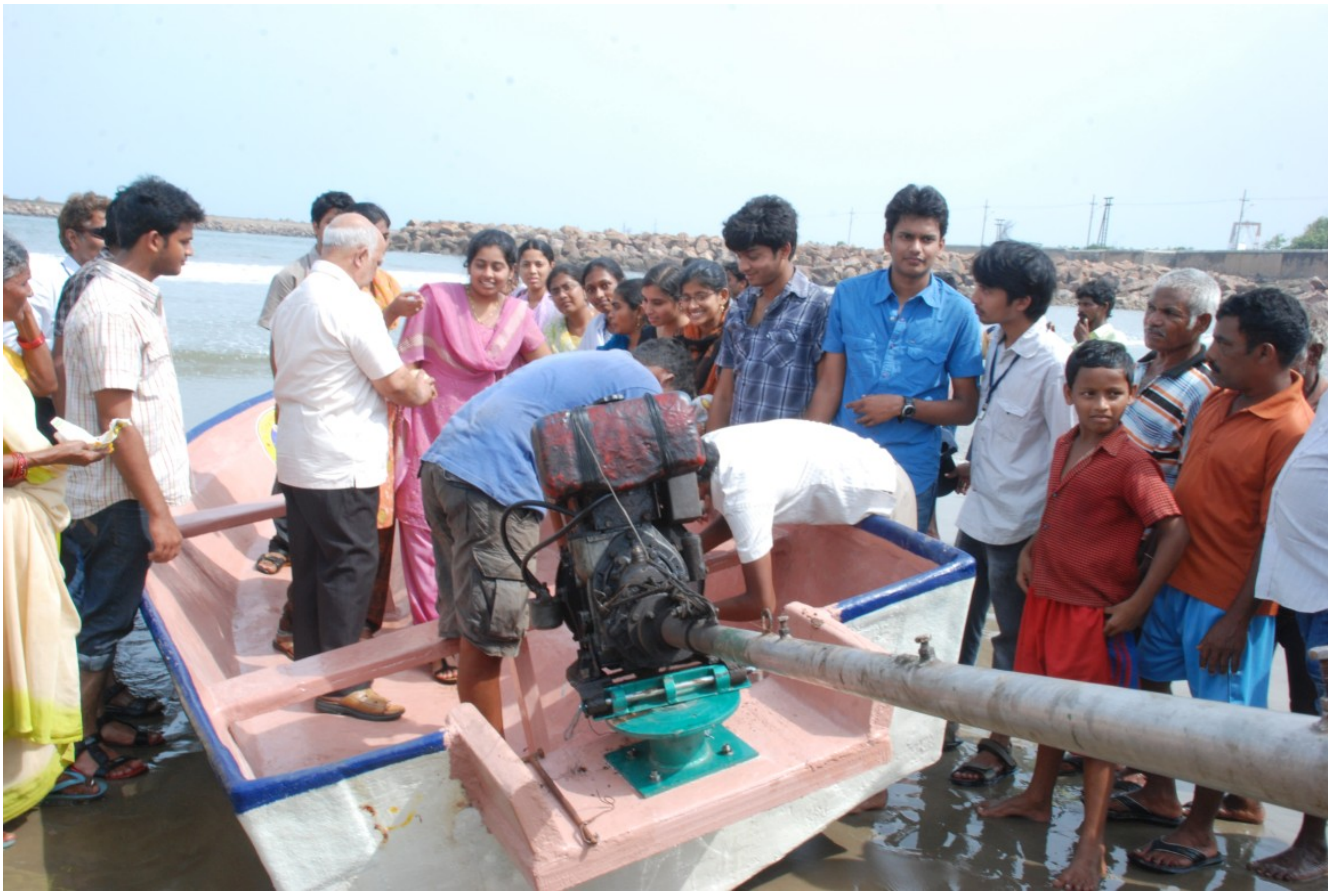


FISHER-FOLKS LIFTING OUT THE DINGHY FROM TRUCK

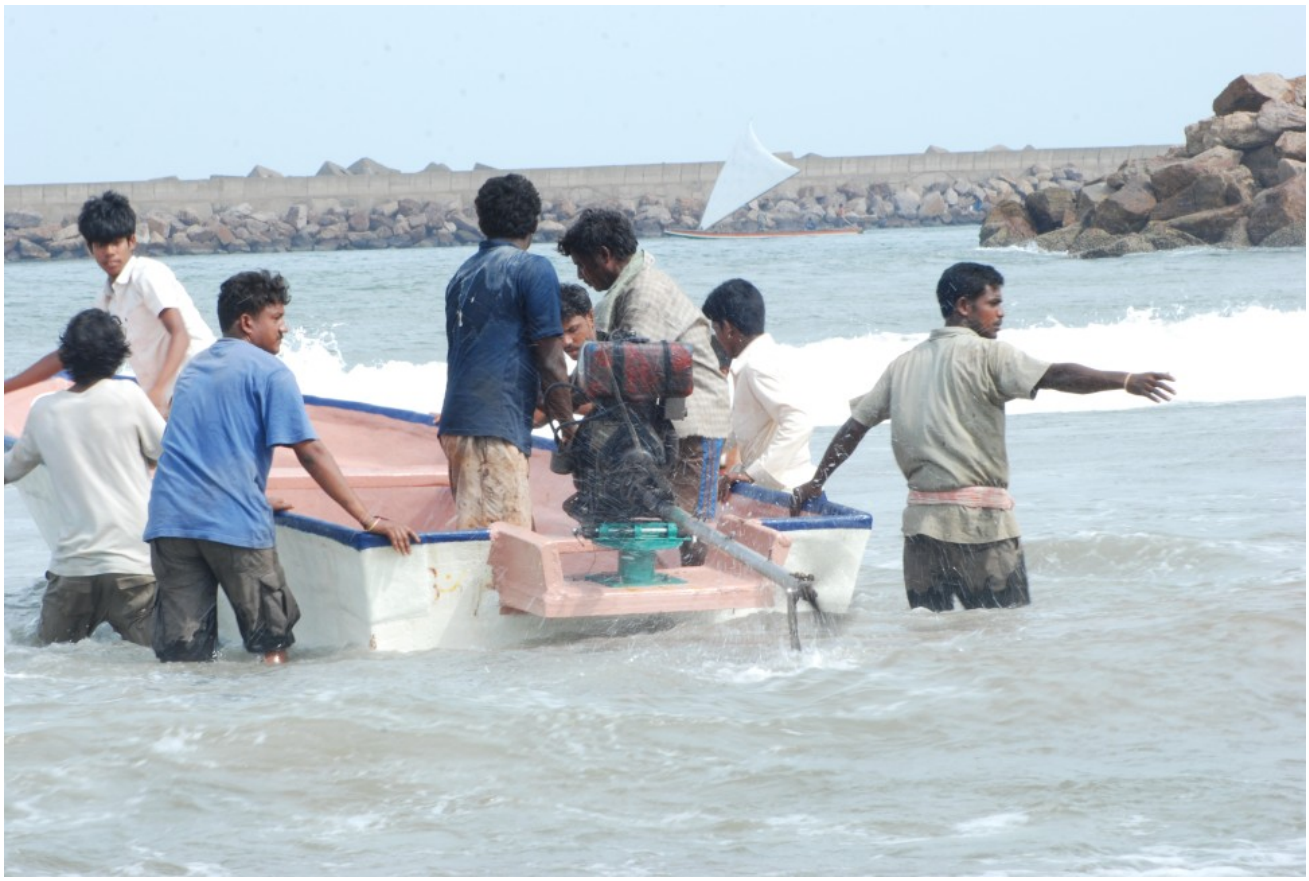
MOVING THE DINGHY TOWARDS THE SEA



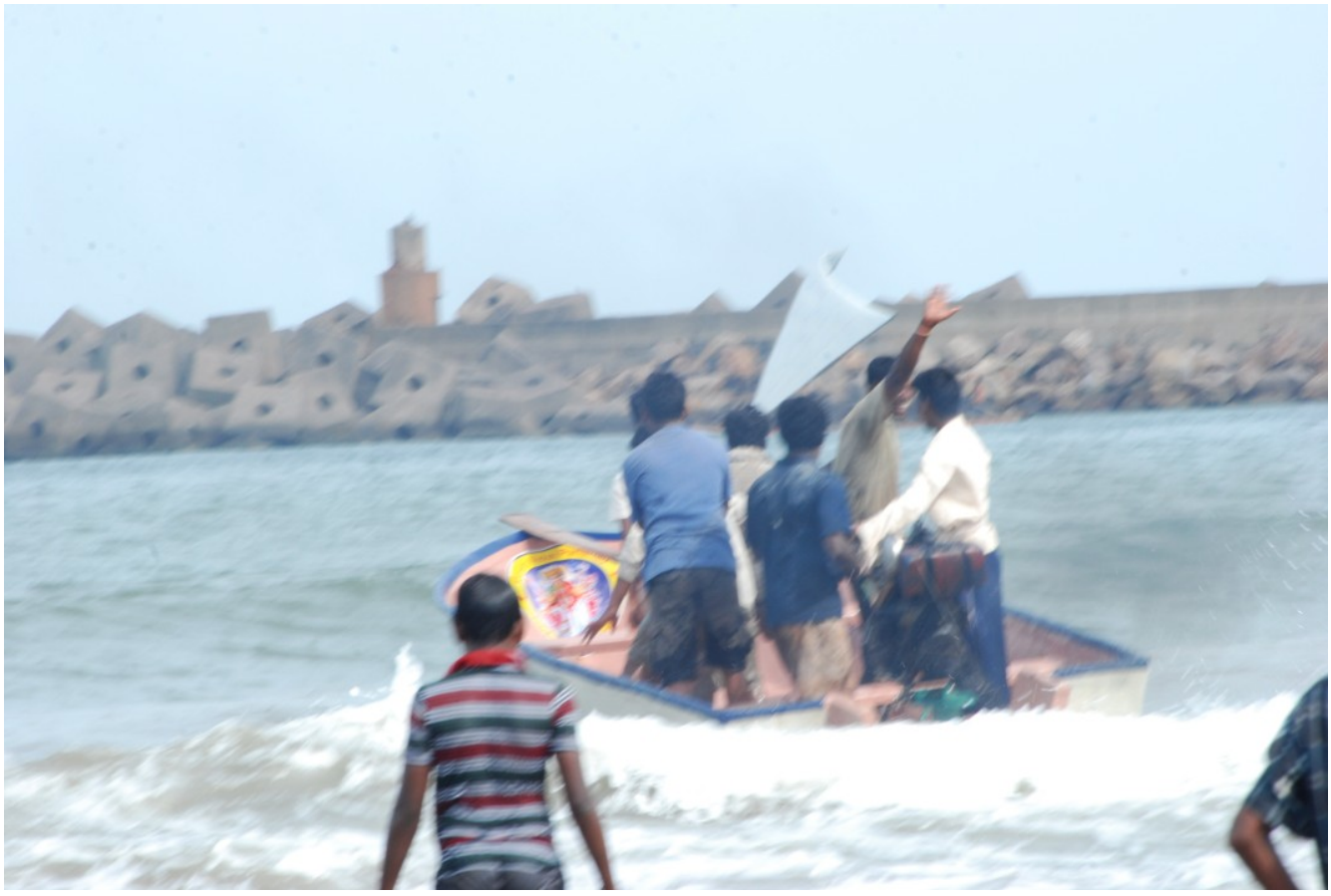
THE DINGHY ON THE SEA WAVE FRONT



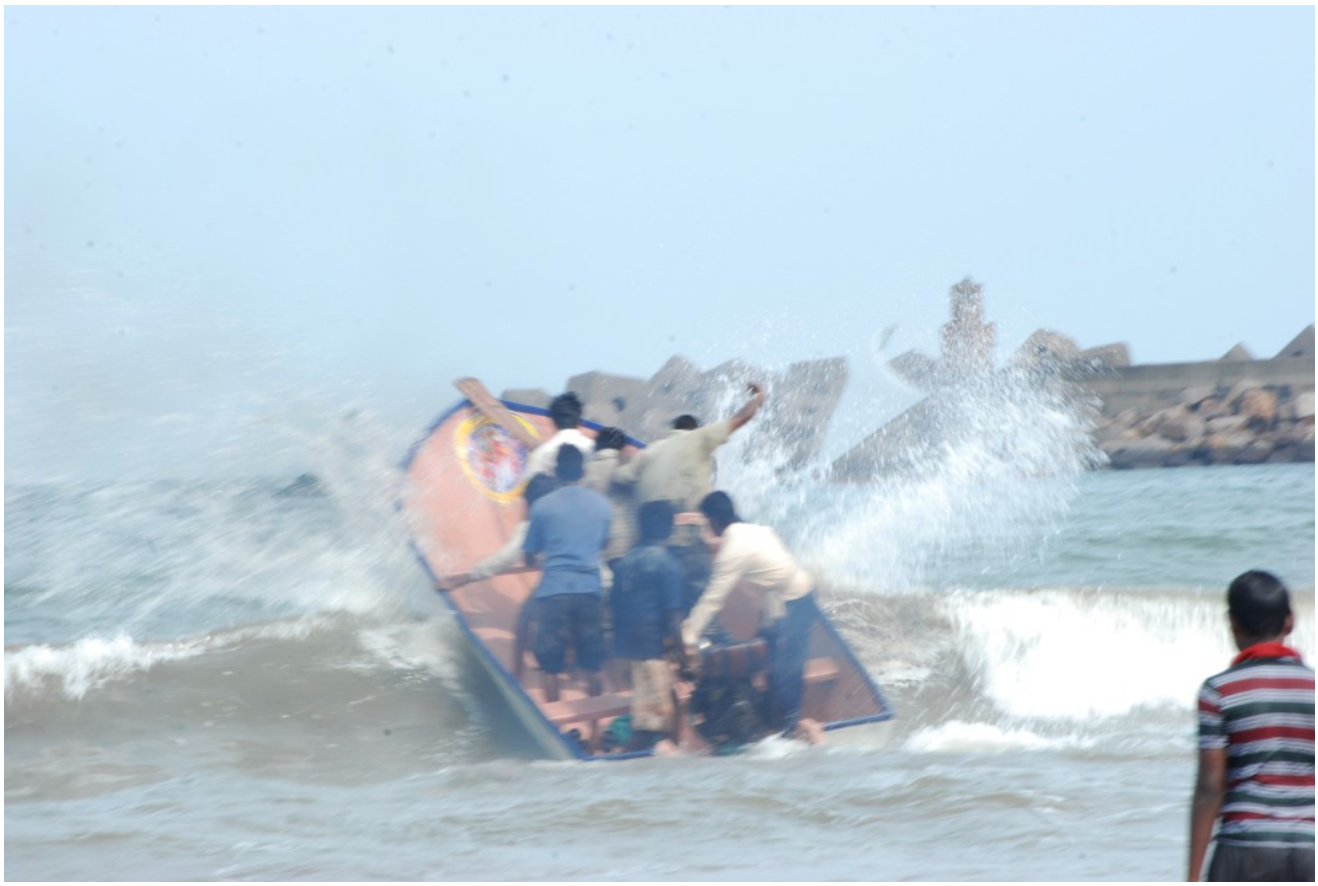
DIESEL ENGINE AND PROPELLER BEING FITTED



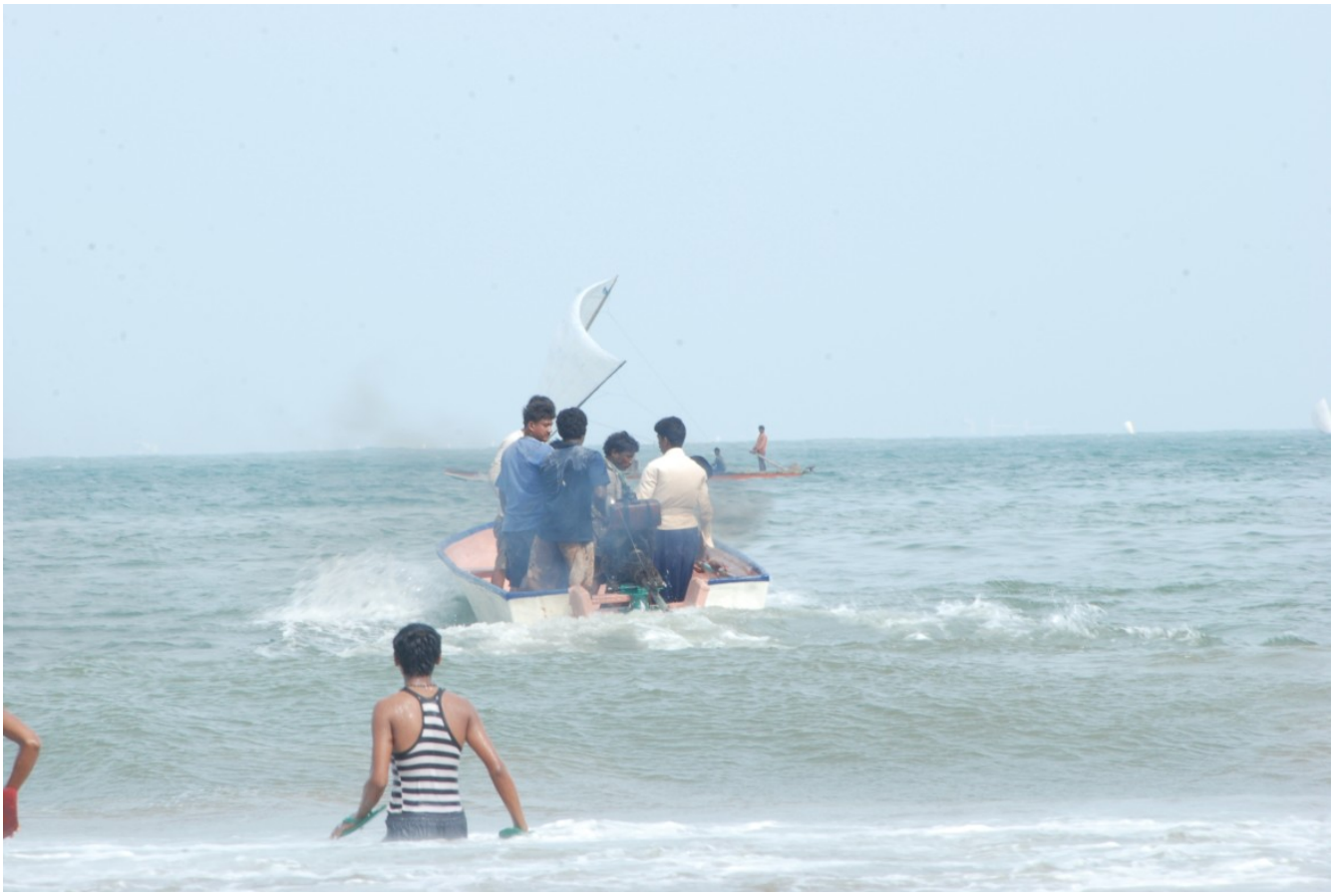
FISHERMEN ABOUT TO RUN THE DINGHY OUT INTO SEA



THE DINGHY MOVING INTO THE SEA WITH SEVEN FISHERMEN



BEAUTIFULLY NEGOTIATING AN INCOMING TIDE/ WAVE



SAILING FURTHER OUT INTO THE SEA