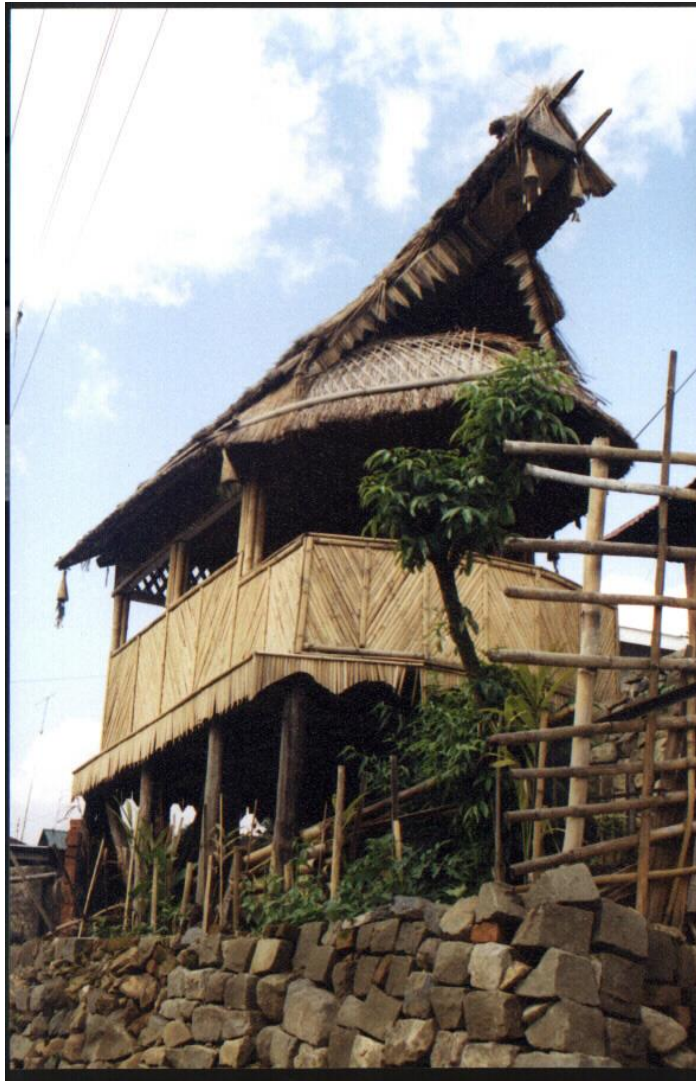




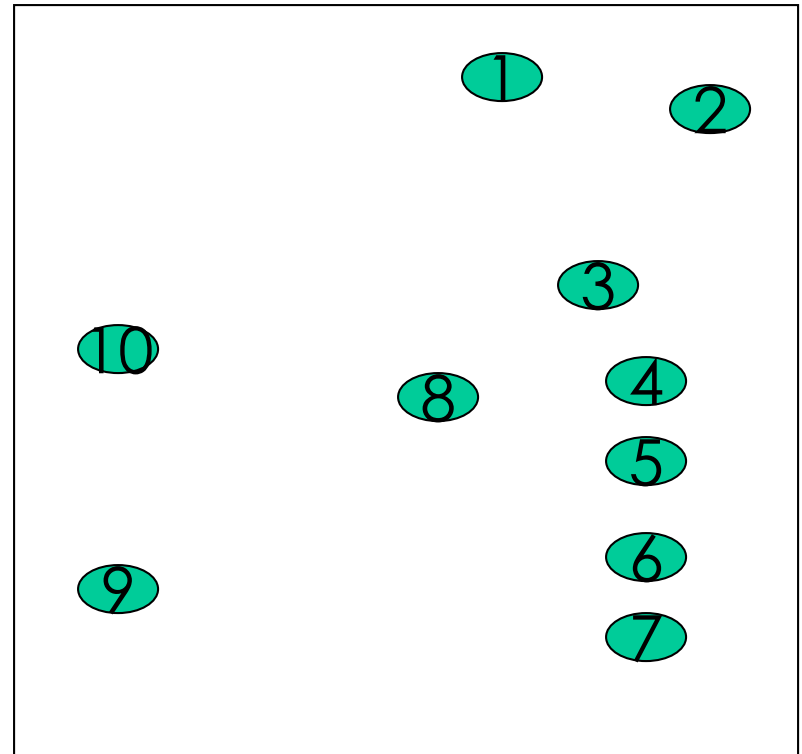
Summer Training Report

NHHDC
Nagaland



The machines are laid out for the mass production of bamboo strips and sticks.

- 1 Cutting machine
- 2 Splitting machine
- 3 Double cutter
- 4 Knot remover
- 5 Slicing machine
- 6 Double cutter
- 7 Stick maker
- 8 Planer
- 9 Stick cutter
- 10 Stick polisher

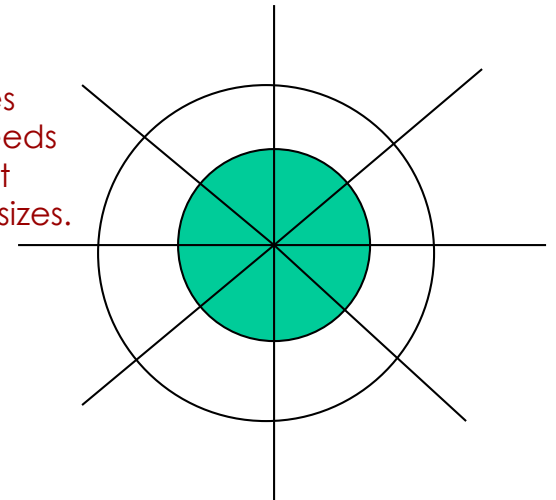




Splitting machine

Batch processing of bamboo is required since bamboo comes various sizes. As the radii of bamboo changes the cutter die needs to be changed accordingly. While splitting if the bamboo is not held centrally the width of the splits obtained are not of equal sizes.

Overall the splits obtained are not of dimensional quality.





Strips 1 meter * 20 mm *(4-12) mm
2 persons - 150-200/day
Price 1 Rupee

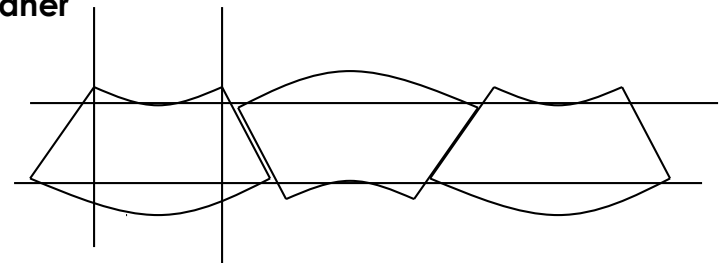
Since the splitting machine could not produce strips of equal width, the double cutter was used to split the bamboo which was time consuming.



Double cutter



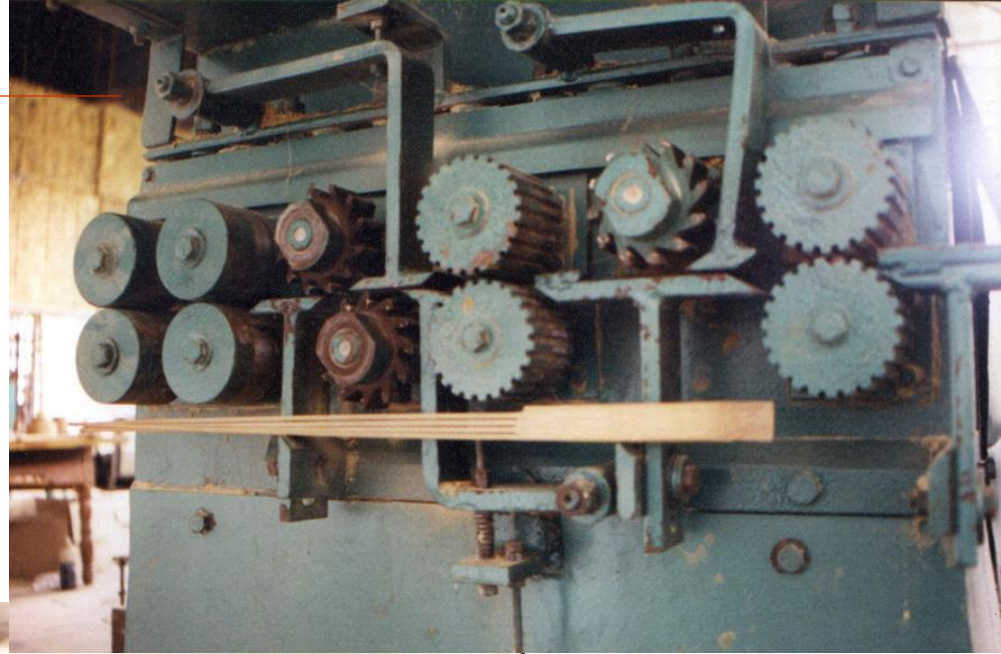
planer



Alteration that could be used for making bamboo planks
That could save material, and easier manufacturing.

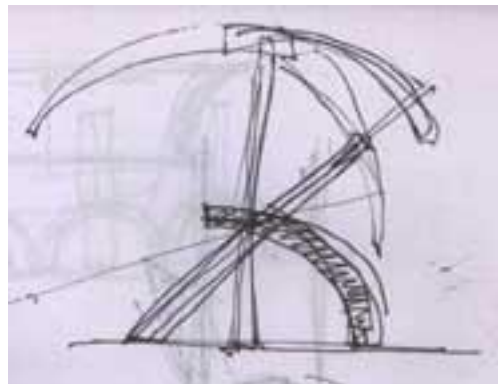
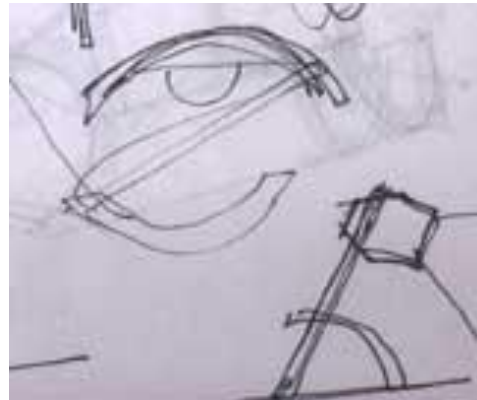


Stick making





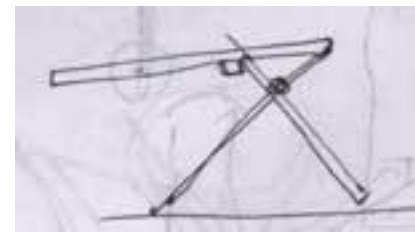
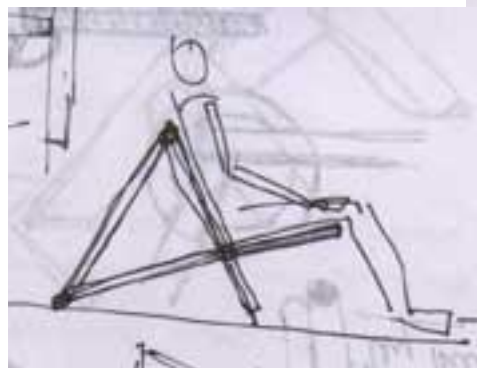
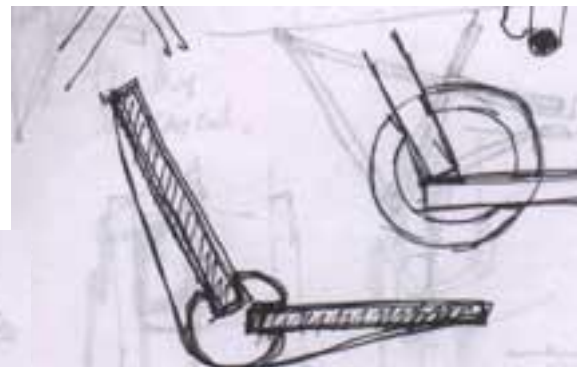
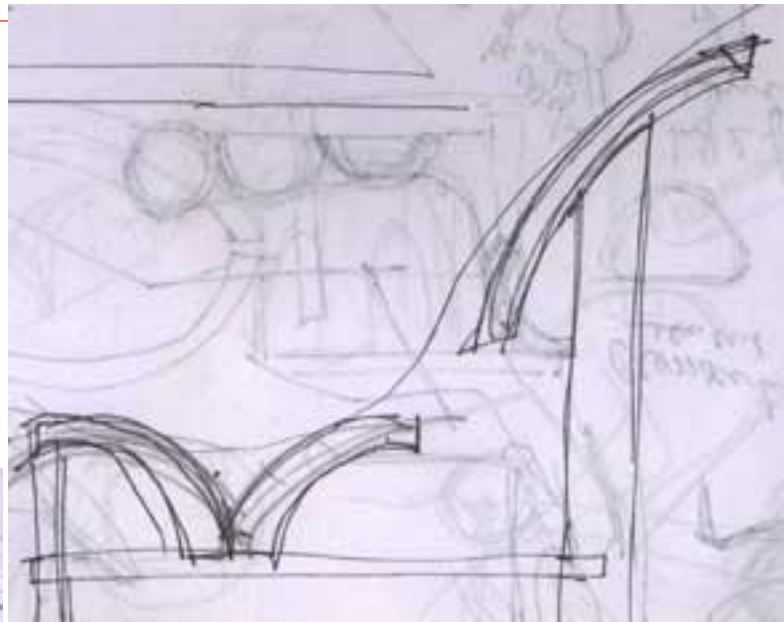
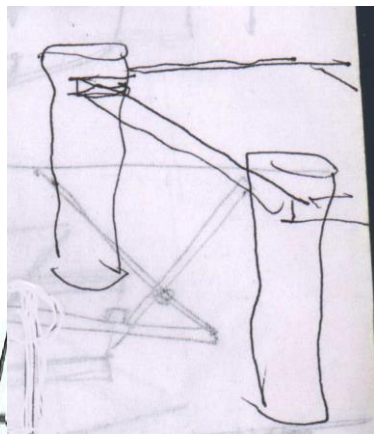
forms generated by cutting bamboo







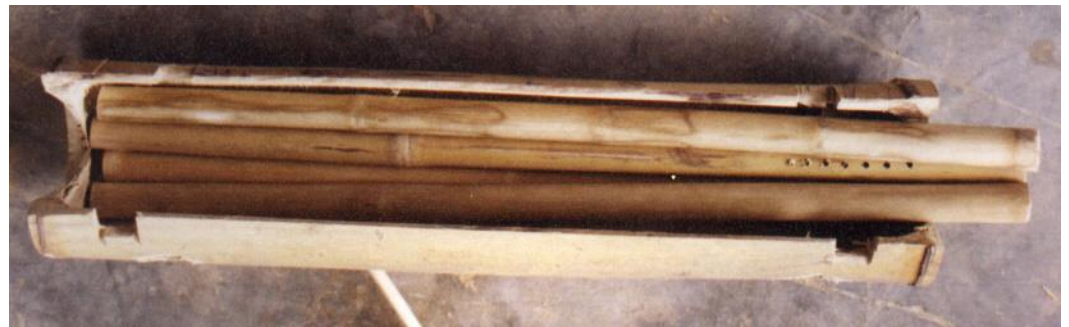
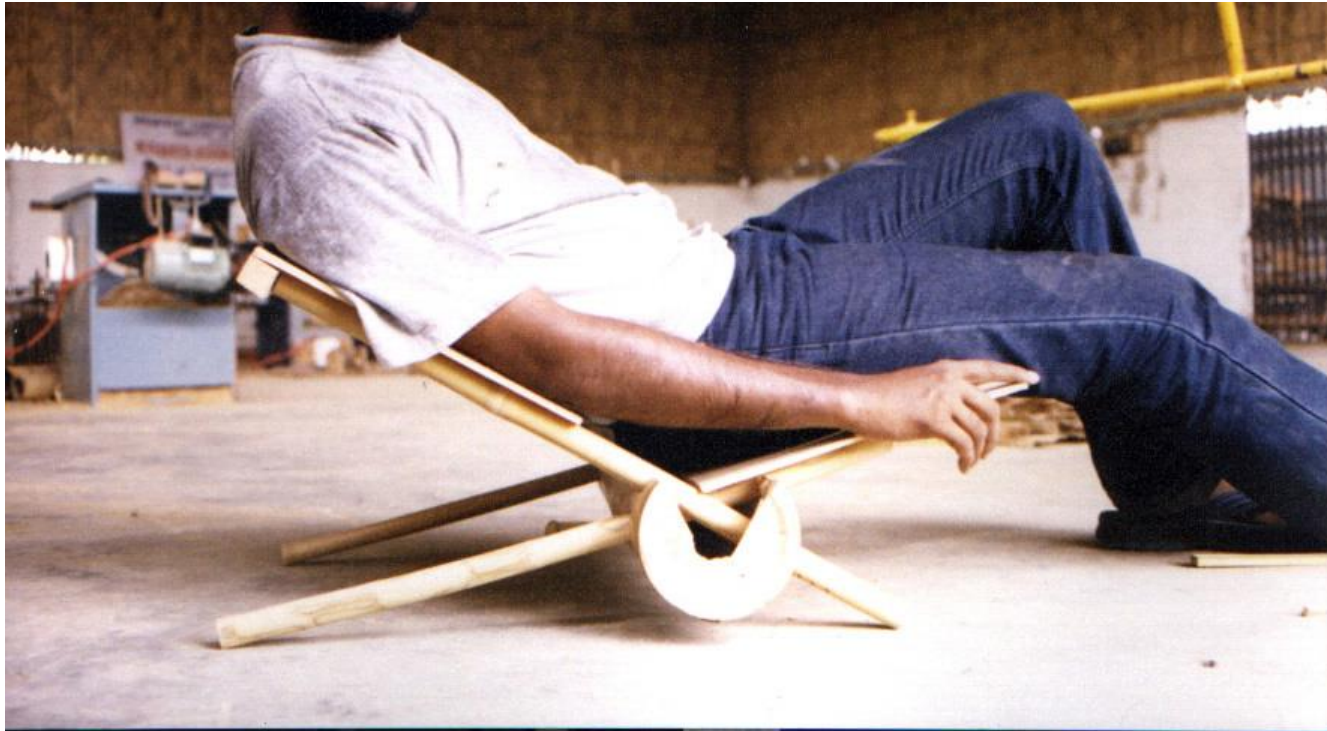
knock down bamboo shelving



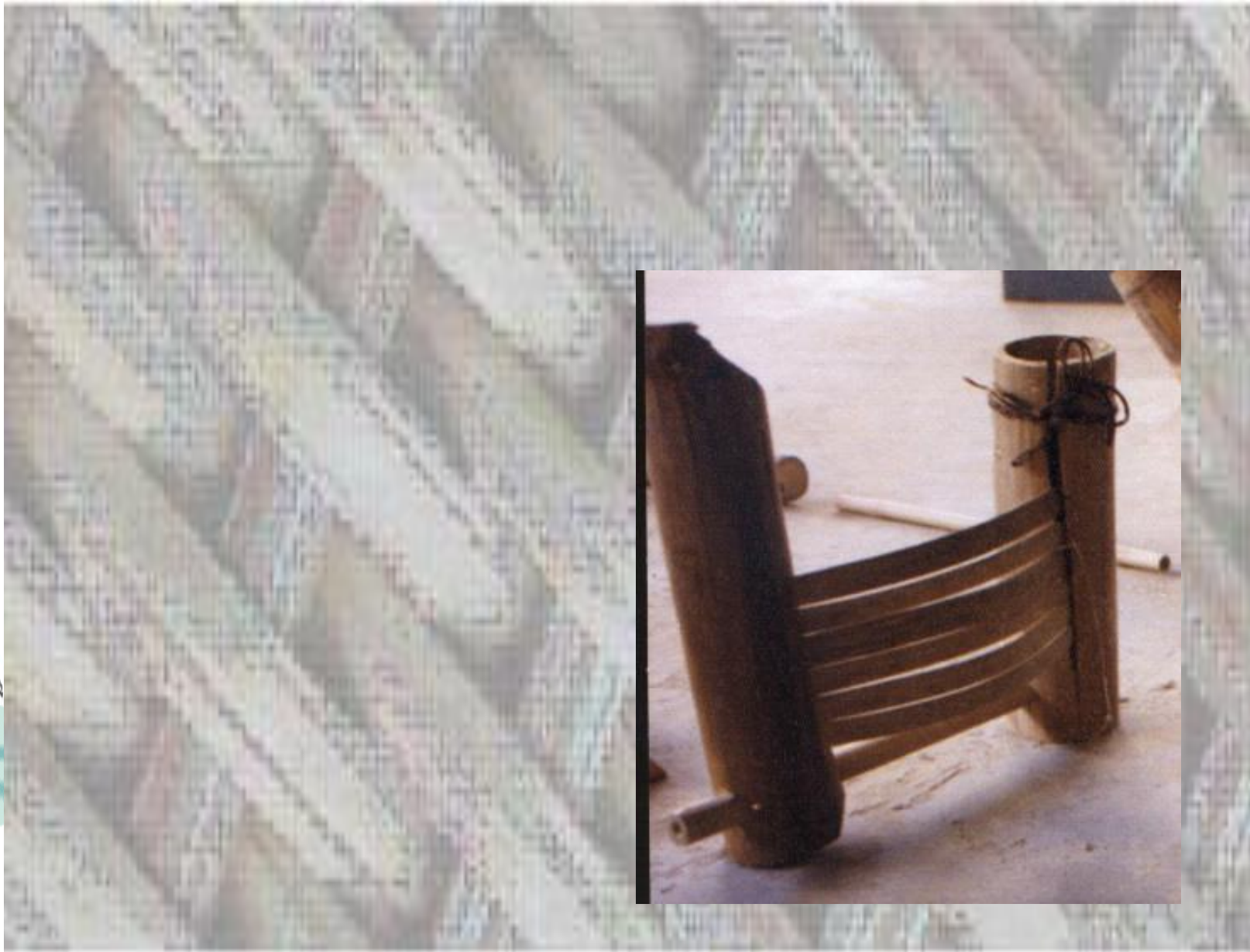




knockdown furniture



knockdown bamboo furniture



Bamboo strips



Further directions

This training has given me a chance to understand and think about Traditional Craft apart from giving me a chance to work on material like bamboo. I realise that everything that we call design and technology had its evolution from our traditional craft. A deeper understanding of its evolution, its effect on the social system, its role in education and the total sustainability and well being of a craft based society needs to be understood.



Sincere thanks to

Prof. A G Rao
Prof. B K Chakravarti

Mr. Majumdar , Project Officer, NHHDC
Tiya, Craftsman, NHHDC
Kiran and Prashant