

## APPENDIX I

### Cost of SRL-18 Planked Canoe and outrigger

(Based on records by Supervisor of boat building training course in Doddanduwa - 1990)

<i>Item</i>	<i>Unit</i>	<i>Qty.</i>	<i>Unit Cost</i>	<i>Cost</i>
		SLRs	SLRs	SLRs*
<b>MAIN HULL.</b>				
TIMBER. SAWN				
3/4" Planking	sq ft	342	8.00	6.156
1" Planking	sq ft	53	23.00	1,219
1-1/4" Planking	sq ft	92	27.00	2,484
2" Planking	sq ft	27	45.00	1,215
<b>Subtotal Timber</b>				<b>11,074</b>
FASTENINGS				
Copper nails	kg	18.8	150.00	2,814
Copper roves	kg	6.0	150.00	900
Brass screws: 1-1/4"	pcs	429	2.76	1.184
Brass screws: 2" x 12	pcs	19,0	5.35	102
<b>Subtotal Fastenings</b>				<b>5,000</b>
MISCELLANEOUS				
Green plastic netting	m	9.0	25.00	225
Bitumastic compound "No leak"	kg	30.0	40.00	1.200
Epoxy glue	kg	1.73	50.00	595
Kuralon rope. 6 mm	vds	70.0	5.55	388
Sandpaper	pcs	6.0	8.00	48
Paint	l	9.0	150.00	1,350
Brushes 2"	pcs	2.0	53.00	106
Thinner	l	0.5	50.00	25
<b>Subtotal Miscellaneous</b>				<b>3,937</b>
<b>Total cost Materials</b>				<b>20,011</b>
<b>LABOUR</b>				
1 Carpenter	mandays	31	150,00	4,650
1 Helper	mandays	31	100,00	3,100
<b>Subtotal : Labour</b>				<b>7,750</b>
<b>TOTAL : MATERIALS AND LABOUR</b>				<b>27,761</b>
OVERHEAD AND PROFIT 20%				5,552
SELLING COST MAIN HULL				33.3 3
TRADITIONAL OUTRIGGER AND BEAMS				2.500
<b>TOTAL</b>				<b>35,813</b>

In 1992, the selling price by Danasiri, the boatbuilder in Doddanduwa, was Rs.38.000 for the main hull.

\* US \$ 1 = SL Rs 44/- appx.

## APPENDIX II

### Cost of SRL-19A FRP canoe and outrigger (1992)

SLRs. --

#### MATERIALS\*

1. Wax polish	0.50	kg	150	75
2. Compound	0.25	kg	132	33
3. Cotton waste	1.00	kg	19	19
4. R Agent	5.00	kg	218	109
5. Gelcoat resin	20.00	kg	105	2,100
6. Moulding resin	210.00	kg	65	13,650
7. CSM	80.00	kg	115	9,200
8. Catalyst	4.50	kg	250	1,125
9. Accelerator	1.00	kg	220	220
10. Pigment	1.25	kg	540	675
11. Acetone	12.00	l	57	684

#### COST OF FRP MATERIALS

27,890

12. Timber components				4,350
13. Hardware items				1,825

#### Total cost of materials

34,065

#### LABOUR

4. FRP: 4 men x 8 hrs x 7 days				224 m/h
IS. Carpentry and handling	2 men x 8 hrs x 7 days			112 m/hr

336 m/hr

#### Total cost of labour

336 m/hr X Rs.20/hr

6,720

6. Overheads : 200% of labour				13,440
-------------------------------	--	--	--	--------

17. Profit				18,345
------------	--	--	--	--------

IS. Turnover tax				4,632
------------------	--	--	--	-------

#### TOTAL

77,202

- FRP materials — inopried pricc by large boatyards Small boatyards will have to buy from importers a! 20% higher cost  
 -- US \$ 1 = SL Rs 44/- appx.

### APPENDIX III

#### Cost data of engine (March 1993)

	8 hp Kerosene ou tboard motor	8 hp diesel engine with BOB Drive
Cost of engine (SLRs*	44,000	30,000
Cost of installation (SLRs		30.000
<b>TOTAL. COST</b>	<b>44,000</b>	<b>60,000</b>
Service life (years)	3	6
Depreciation per year (SLRs)	14,700	10.000
Hours of engine operation per year	700	700
Fuel consumption (litre/hour)	3.6	1.5
Fuel cost including oil (SLRs/litre)	10	2
Fuel cost (SLRs/hour)	36	15
Fuel cost (SLRs/year)	25.200	12.600
Cost per year -- Fuel and depreciation (SLRs)	39.900	22.600
<b>Saving per year (SLRs)</b>		<b>17,300</b>

US \$ 1 = SLRs 46/- apply

### REFERENCES

1. Fisheries statistics of Sri Lanka. 1992.
2. BOBP/WP/61 : *Developmet of Outrigger Canoes in Sri Lanka*, 1990.
3. BOBP/WP/4 : *Inboard Motorization* Small GRP Boats in Sri Lanka, 1950.
4. National Fisheries Development Plan. 1990-91.
5. Fisheries Development Plan. 1995-99.