

## Appendix 1

### SUMMARY OF PERFORMANCE OF IND-20 IN ANDHRA PRADESH

#### I. Gross earnings

The table presents a summary of the results from the commercial test operation during 1984. and 1985 of six IND-20 type beachlanding craft in Andhra Pradesh (Bandaravanipeta, Uppada and Manginapudi). Data were collected daily at each location and reported each month to BOBP

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Test village/boat		Monthly gross earnings (Rs.)		Gross earnings per trip (Rs.)		Catch/trip (kg)		Fishing trips/month (nos.)		Duration of trips (hr.)		Price of catch/kg (Rs.)	
		1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985
Bandaravanipeta	IND-20 I	2245	5001	303	410	157	88	7.4	12.2	14.5	15.8	1.93	4.65
Bandaravanipeta	IND-20 II	—	5367	—	390	—	82	—	13.8	—	15.9	—	4.75
Uppada	IND-20 I	4873	4536	272	318	46	54	17.9	14.3	17.8	18.1	5.88	5.85
Uppada	IND-20 II	4192	3317	228	247	40	38	18.4	13.4	17.9	17.1	5.70	6.50
Manginapudi	IND-20 I	3957	2309	264	189	65	40	15.0	11.6	14.3	16.3	4.06	4.27
Manginapudi	IND-20 II	8920	7375	507	473	80	108	17.6	15.6	16.4	16.7	6.34	4.38
Average		4837	4651	315	338	78	68	15.3	13.5	16.2	16.7	4.78	5.07

## II. Average number of non-fishing days

The average of non-fishing days per month for the six beachlanding craft during 1984 and 1985 is shown below, as well as the recorded reasons for non-fishing.

		Total	Technical defects	Rough Sea	Rain	Net repair	Crew rest	Holiday	Crew problem	Poor catch	No nets
1984	Number	16.5	5.5	5.3	0.3	0.7	0.4	0.7	1.5	0.7	1.4
		100	33	32	2	4	3	4	9	4	9
1985	Number	17.6	3.9	3.6	0.4	1.8	0.6	1.4	3.7	2.0	0.2
	%	100	22	21	2	10	4	8	21	11	1

## Appendix 2

### ESTIMATED COSTS AND EARNINGS OF IND-20B

The costs and earnings calculations are based on the actual cost of investment for IND-20B, estimated operating costs and an assumed gross earning of Rs. 400 trip from 17 fishing trips per month.

I. <i>Investment Costs</i>		
1. Hull	Rs. 57,000	
2. Engine	Rs. 27,000	
3. Sail rig	Rs. 2,000	
4. Fishing gear	<b>Rs. 35,000</b>	
Total	Rs. 121,000	As. 121,000
II. <i>Annual Gross Earnings</i>		
17 trips/month x Rs. 400/trip		Rs. 81,600
III. <i>Annual Operating Costs</i>		
1. Diesel and oil Rs. 30/trip x 17 trips/month	<b>Rs. 6,100</b>	
2. Engine repair & maintenance	Rs. 2,000	
3. Hull repair	<b>Rs. 500</b>	
4. Net repair	<b>Rs. 1,000</b>	
5. Insurance	Rs. <b>2,000</b>	
6. Crew wages based on 1/3 share of (gross earnings per trip minus cost 1—4)	Rs. 24,000	
Total	Rs. 35,600	Rs. 35,600
IV. <i>Annual Fixed Costs</i>		
Depreciation		
Hull (10 years)	Rs. 5,700	
Engine (5 years)	Rs. 5,400	
Fishing gear (4 years)	Rs. 8,750	
Sail rig (5 years)	Rs. 400	
Total	Rs. 20,250	<b>Rs. 20,250</b>
V. <i>Annual Total Costs (III +IV)</i>		<b>Rs. 55,850</b>
VI. <i>Annual Net Earnings (I—V)</i>		Rs. 25,750
VII. <i>Rate of return on investment (VI÷I)</i>		<b>21%</b>

### Appendix 3

#### MONTHLY CATCHES, COSTS AND EARNINGS OF SRL-11

Month	Catch Kg.	Value of catch Rs.	Fuel cost Rs.	Bait cost Rs.	Number of trips			Total
					*LMD	*BLL	*TLL	
September '81	1,830	13,357	1,260	—	15	—	—	15
October	602	9,506	1,207	—	16	—	2	18
November	483	7,801	897	1,181	8	7	—	15
December	1,349	17,469	976	3,081	—	12	2	14
January'82	1,499	19,016	1,198	3,746	—	15	—	15
February	1,847	20,934	1,531	3,015	—	16	—	16
March	1,105	12,389	1,363	3,192	—	14	—	14
April	99	1,647	540	510	3	2	2	7
May	208	4,226	1,021	25	9	—	6	15
June	398	6,871	1,008	110	10	—	3	15
July	1,153	20,181	1,424	105	15	—	3	18
August	537	13,290	624	—	10	—	—	10
<b>Total</b>	<b>11,110</b>	<b>146,687</b>	<b>13,049</b>	<b>14,965</b>	<b>86</b>	<b>66</b>	<b>18</b>	<b>172</b>

\* LMD — large mesh driftnetting

**BLL** — bottom longlining

**TLL** — trolling

**Gross revenue** Rs. 146,687

— fuel + bait **Rs. 28,005**

= Net revenue **Rs. 118,682**

**Fuel consumption (litres)** **2,200**

Fuel cost 9% of gross revenue

Catch per trip (kg) 65kg

Gross revenue per trip (Rs.) 864

Fuel expense per trip (Rs.) 77