

PC 916-0001  
A-100

**FORESTRY PLANNING & DEVELOPMENT PROJECT  
GOVERNMENT OF PAKISTAN - USAID**

**CONTRACT NO. 391-0481-00-C-5021-00**

**QUARTERLY PROGRESS REPORT**

**1 January - 31 March, 1994**

**with**

**Life of Project Summaries**

**ISLAMABAD, PAKISTAN  
April 28, 1994**



# FORESTRY PLANNING & DEVELOPMENT PROJECT

## Government of Pakistan-USAID

2 May 1994

TO: Kh. Hameedullah  
Project Officer

FROM: Charles R. Hatch *Charles R. Hatch*  
Chief of Party

SUB: Quarterly Report for Period 1 January - 31 March, 1994

Attached is the Quarterly Report for the third quarter of Pakistan FY 93/94 covering the period 1 January - 31 March, 1994. Graphs and tables in this report summarize life of project achievements.

### Distribution:

Contract Office	3
Project Office	4
PPC/DIU - Washington, D.C.	3
O/IGF	20
DG/PFI	1
Director PFRI	1
Project Directors	5 (1 each)
TAT	4
NGO Grant Unit	1
WI/HQ	2

---

 **Winrock International**

**Technical Assistance Team**

58, Margalla Road, F-7/2, Islamabad, Pakistan. Tel : 813262 -- 813272  Fax : 824519

**FORESTRY PLANNING & DEVELOPMENT PROJECT  
GOVERNMENT OF PAKISTAN - USAID**

**CONTRACT NO. 391-0481-00-C-5021-00**

**QUARTERLY PROGRESS REPORT**

**1 January - 31 March, 1994**

**with**

**Life of Project Summaries**

**ISLAMABAD, PAKISTAN  
April 28, 1994**

# QUARTERLY PROGRESS REPORT

Forestry Planning & Development Project - Phase II  
Government of Pakistan-USAID (FP&D)  
Winrock International  
Contract No.391-0481-C-00-5021-00

Prepared by

Charles R. Hatch,  
Chief of Party

Nasrullah Khan Aziz  
DIGF

& Imtiaz Ahmed  
Statistical Officer

For the 3rd Quarter of Fiscal Year 1993/94

1 January - 31 March 1994

## SUMMARY

The following charts give a visual summary of project activities for the 3rd quarter, cumulative for Pakistan fiscal year 1993/94, and cumulative for life of project. Included in the graphical summary is:

- Figure 1. The number of farm households participating in farm forestry.
- Figure 2. The number of trees planted on farms - All provinces.
- Figure 3. The number of trees planted on farms by province.
- Figure 4. The number of private farm nurseries.
- Figure 5. The number of seedlings raised in farm nurseries.
- Figure 6. The number of acres treated under soil conservation and land development activities.
- Figure 7. The number of farmers trained in farm forestry activities.
- Figure 8. The number of forest department staff trained.
- Figure 9. Project purpose level economic indicators.

- / -

The following tables give a tabular summary of project activities for the 3rd quarter, cumulative for Pakistan fiscal year 1993-1994, and cumulative for life of project. Included in the tabular summary is:

- Table 1. Third quarter's accomplishments by geographic location.
- Table 2. The 1993/94 fiscal year project targets and accomplishments by geographic location.
- Table 3. The 1993/94 fiscal year project targets and accomplishments by quarter.
- Table 4. The life of project targets and accomplishments by fiscal year.
- Table 5. Punjab life of project accomplishments by fiscal year.
- Table 6. Sindh life of project accomplishments by fiscal year.
- Table 7. NWFP life of project accomplishments by fiscal year.
- Table 8. Balochistan life of project accomplishments by fiscal year.
- Table 9. PFI/Federal/Other life of project accomplishment by fiscal year.
- Table 10. No. of NGO grants by type and province.

Attachment A gives the cumulative life of project Technical Assistance Team expenditures by line item. Attachment B gives the cumulative life of project USAID and GOP expenditures. Attachment C lists the publications and reports produced by the project during the 3rd quarter of fiscal year 1993/94. Attachment D lists NGO grants awarded and completed during the 3rd quarter of fiscal year 1993/1994.

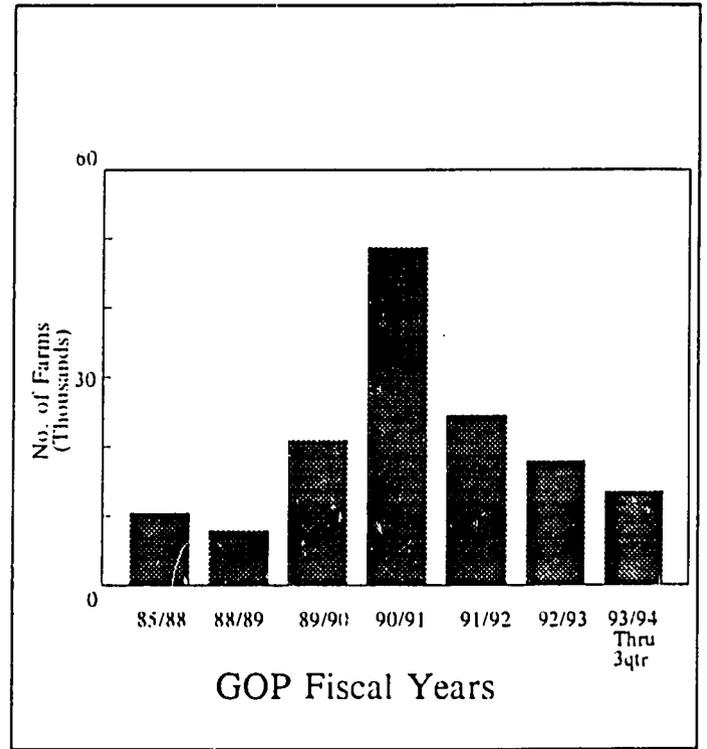
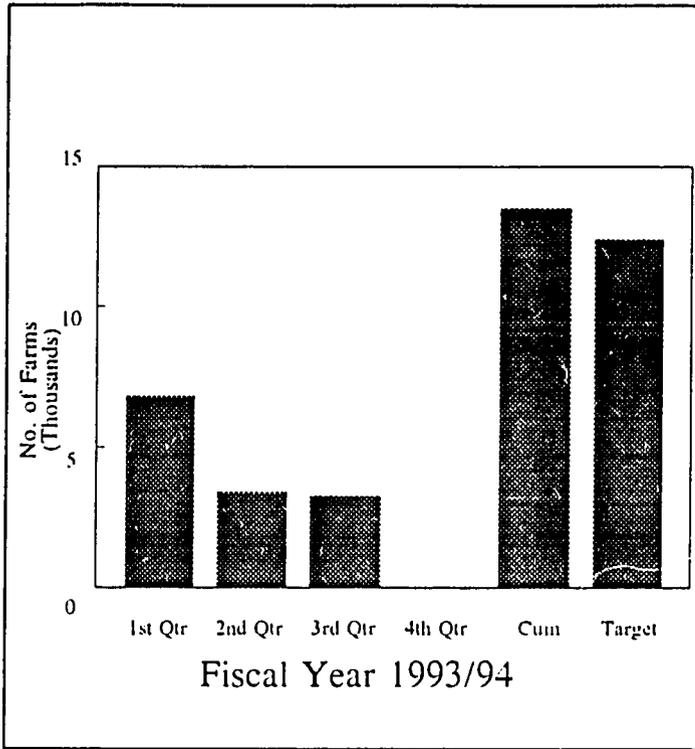


Figure 1. No. of Farm Households Participating in Farm Forestry

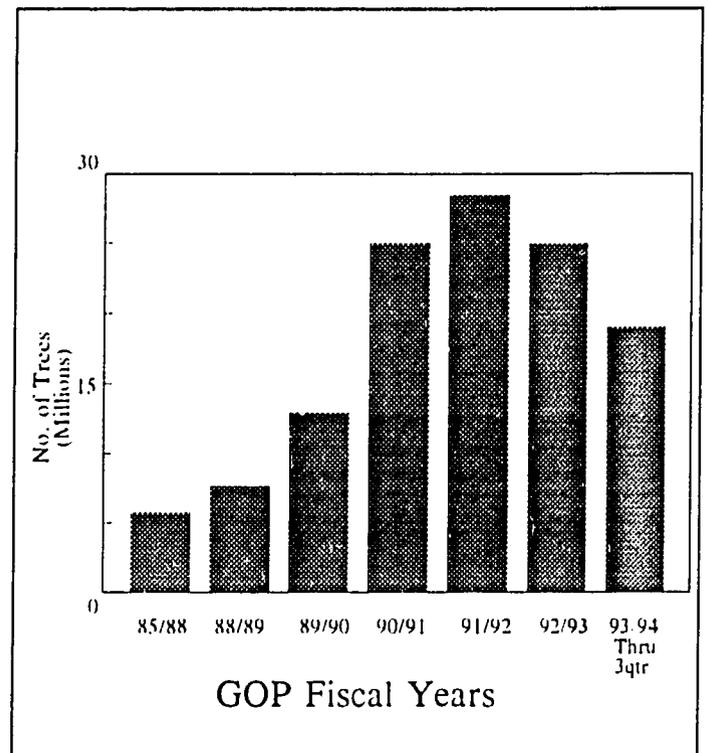
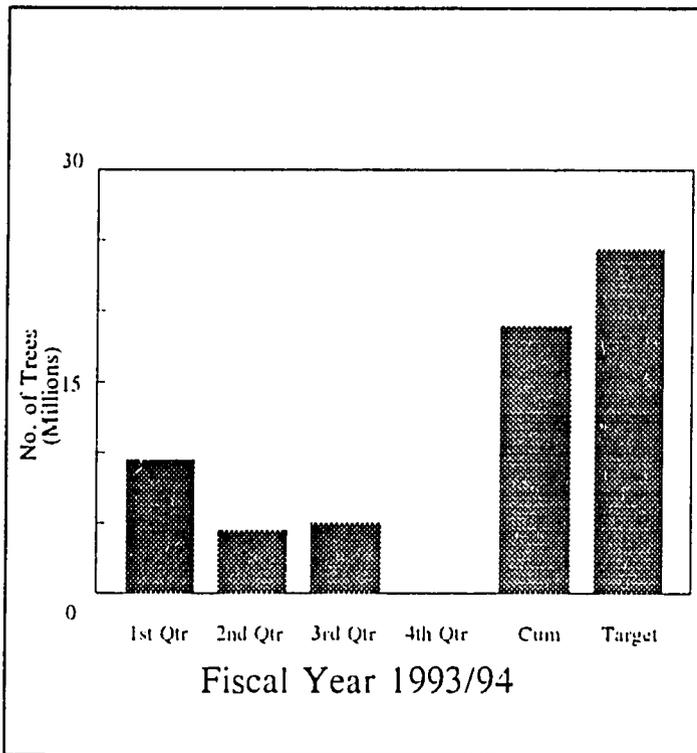


Figure 2. No. of Trees Planted on Farms - All Provinces

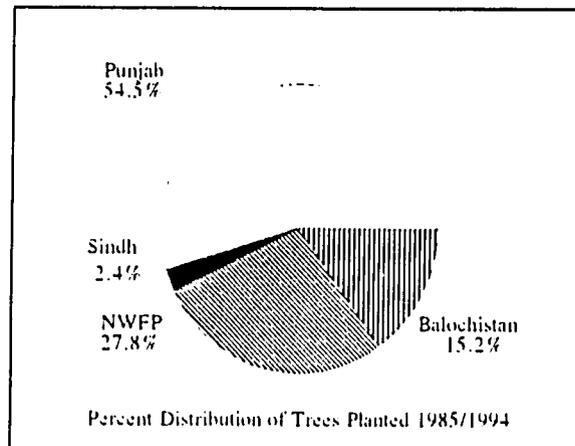
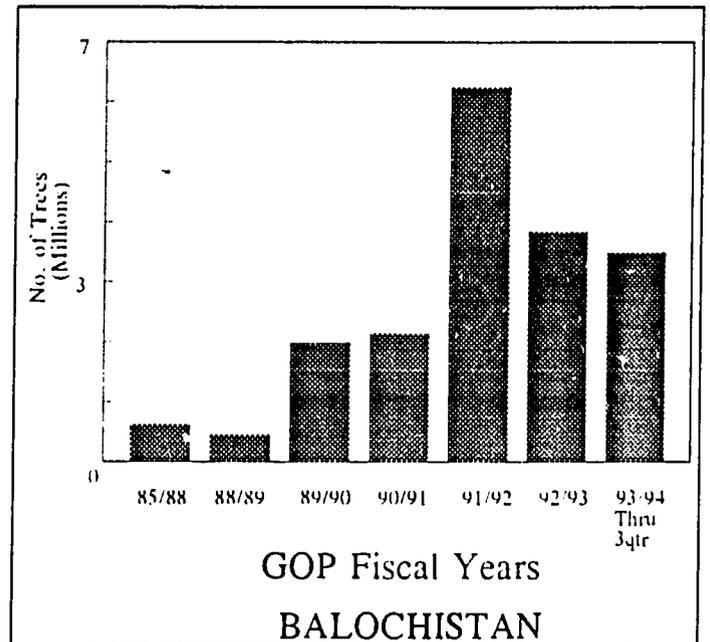
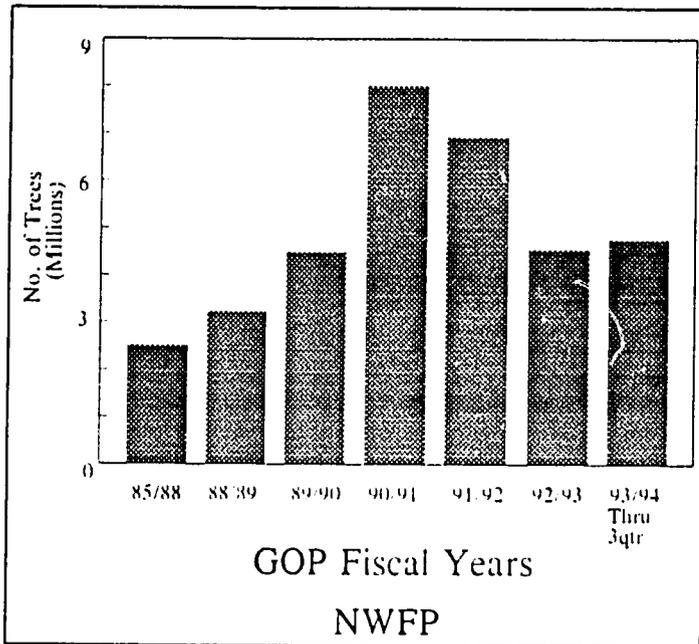
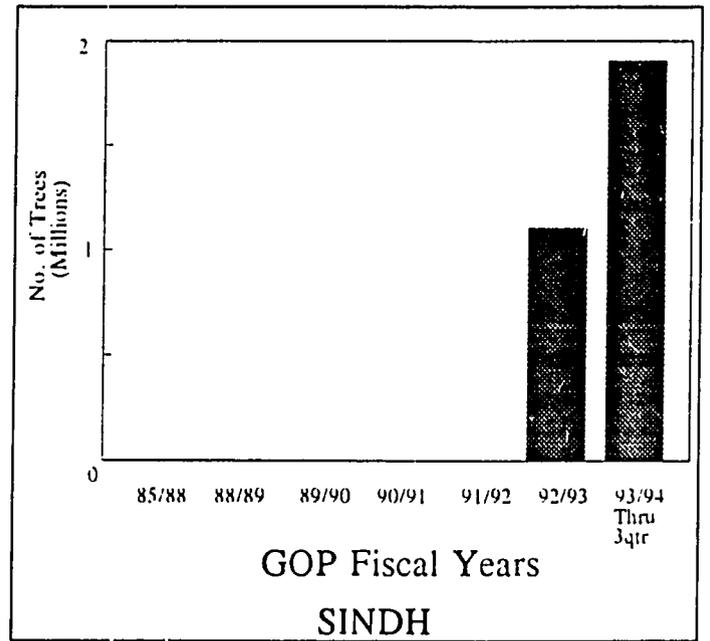
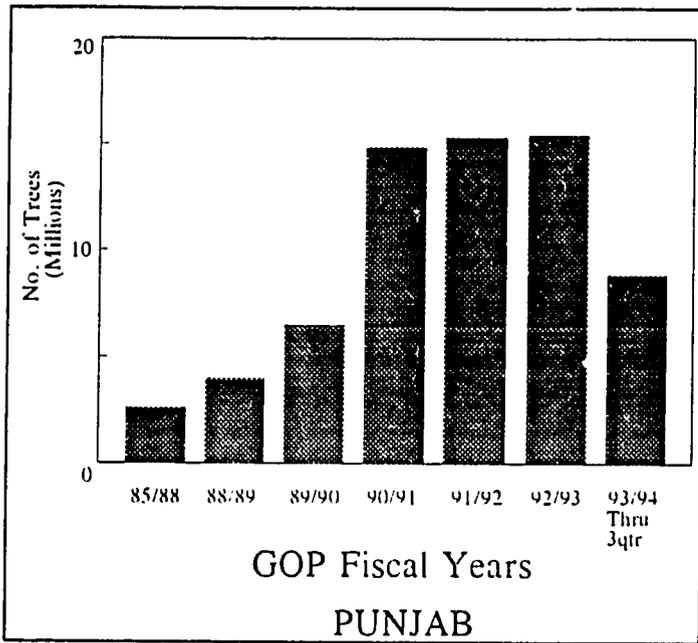


Figure 3. No. of Trees Planted on Farms by Province

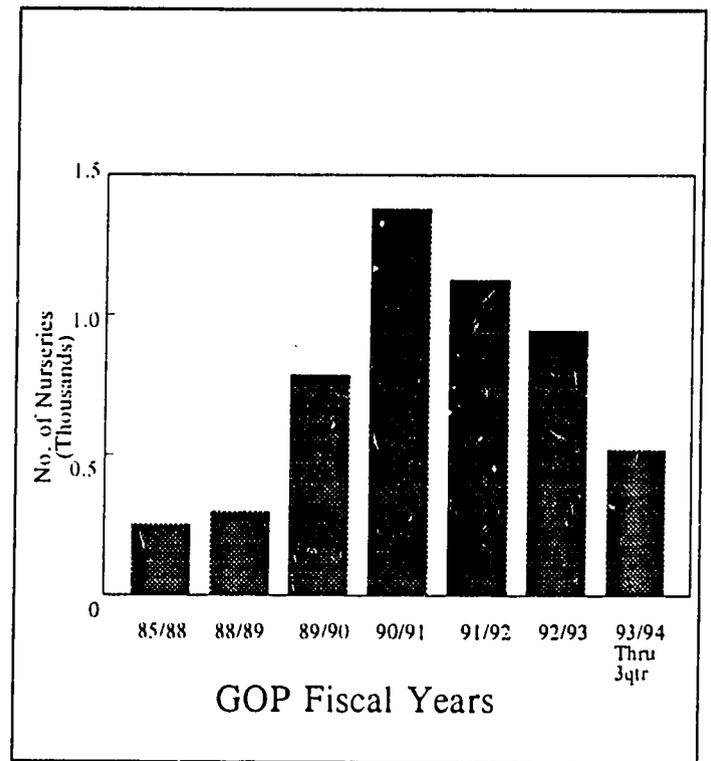
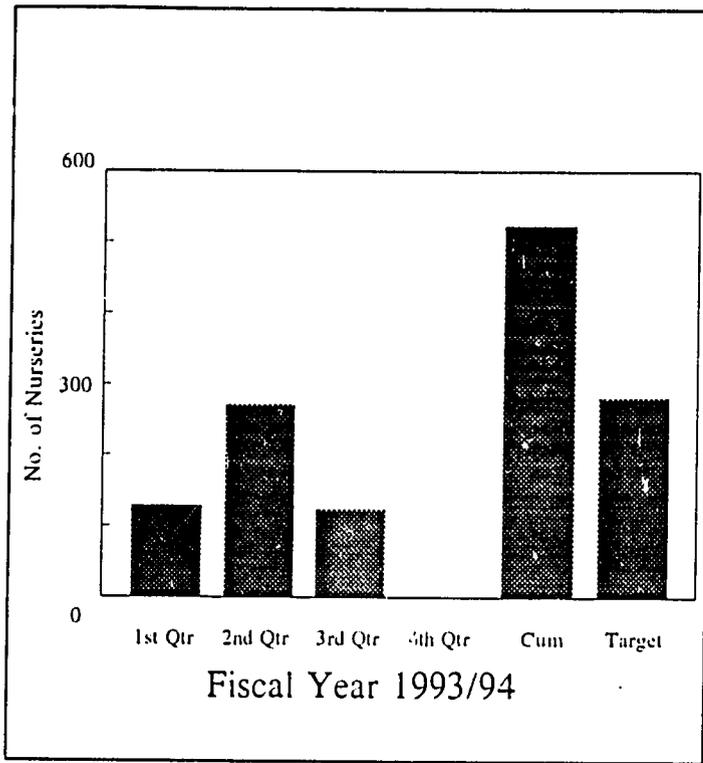


Figure 4. No. of Private Farm Nurseries

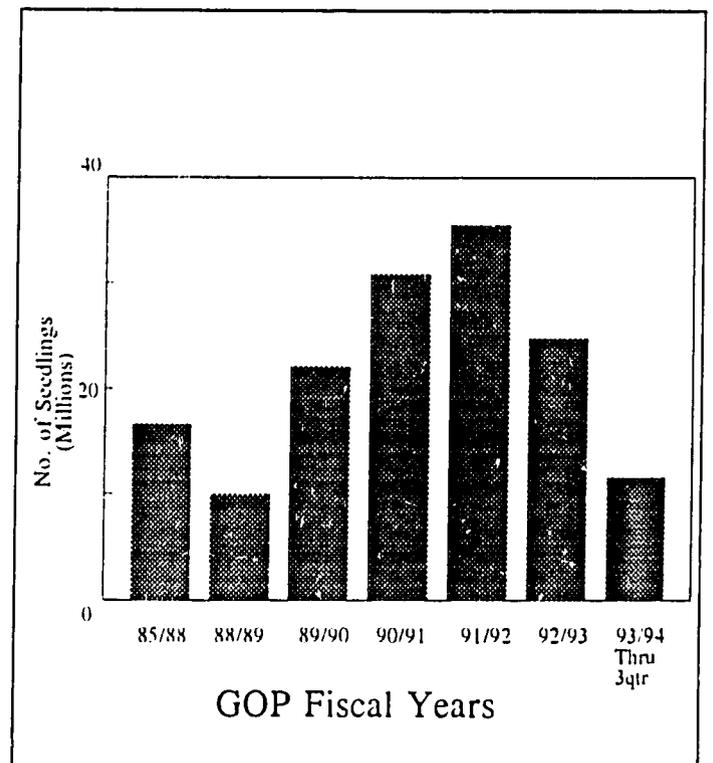
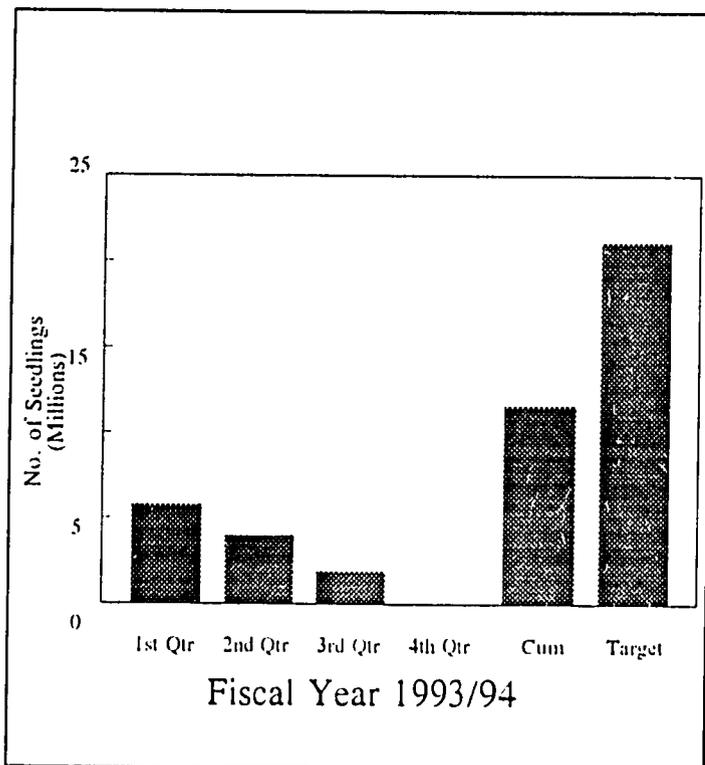


Figure 5. No. of Seedlings Raised in Farm Nurseries

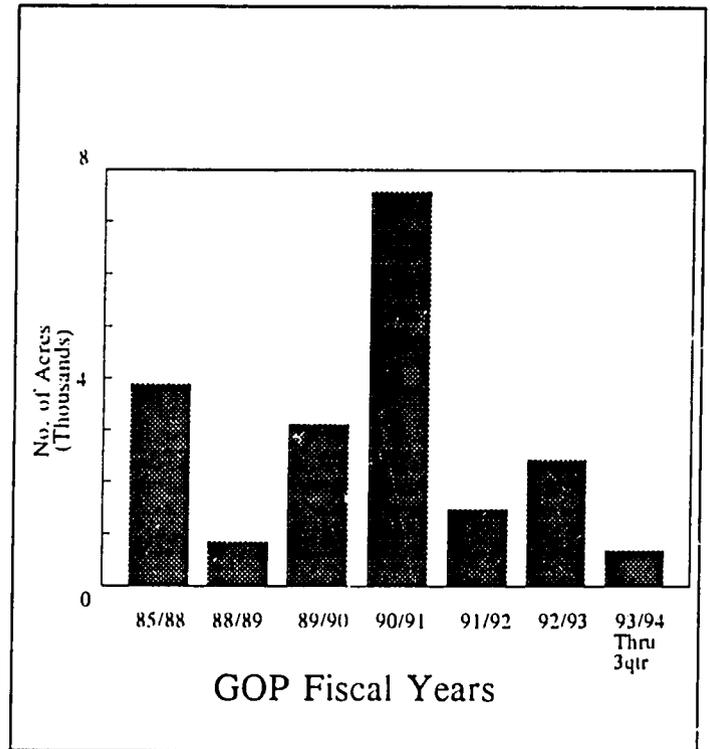
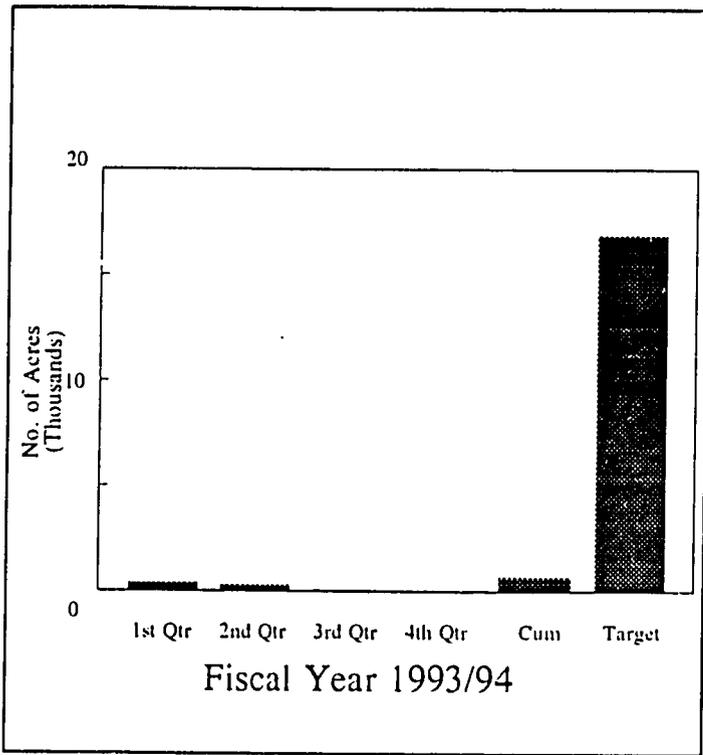


Figure 6. No. of Acres Treated under Soil Conservation and Land Development Activities

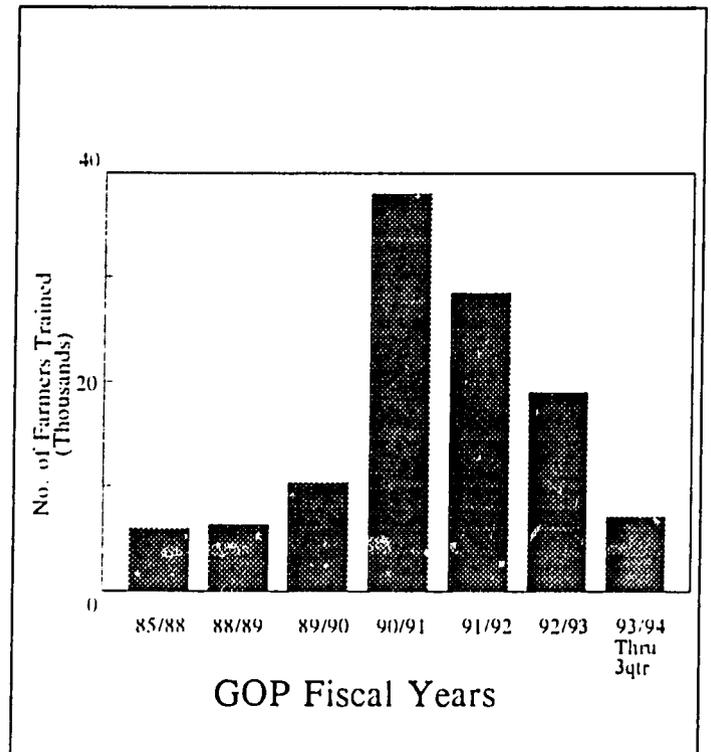
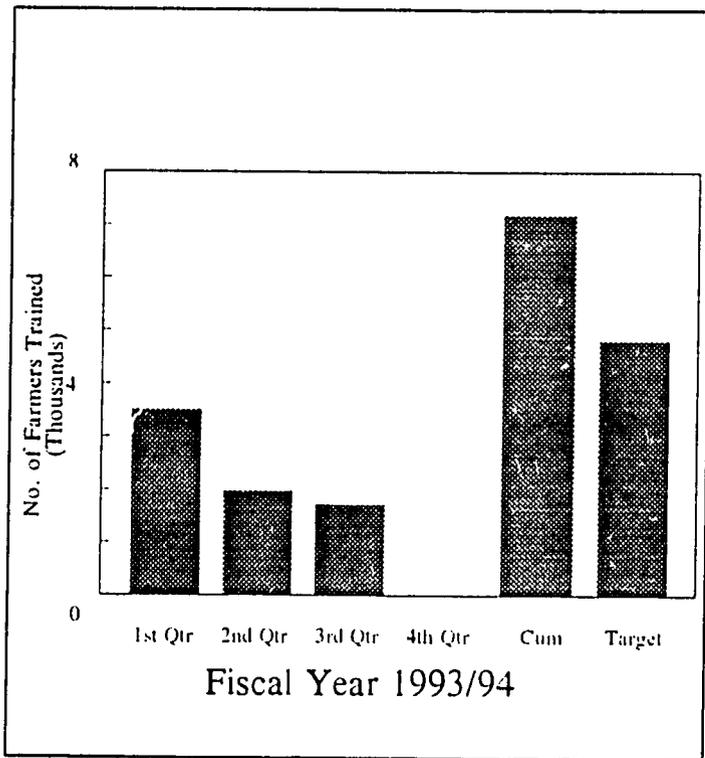


Figure 7. No. of Farmers Trained in Farm Forestry Activities

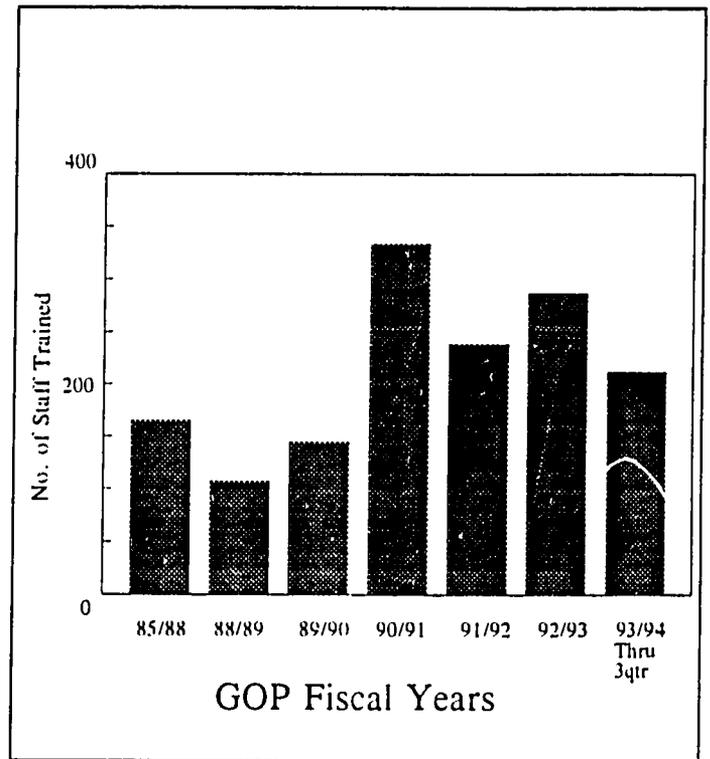
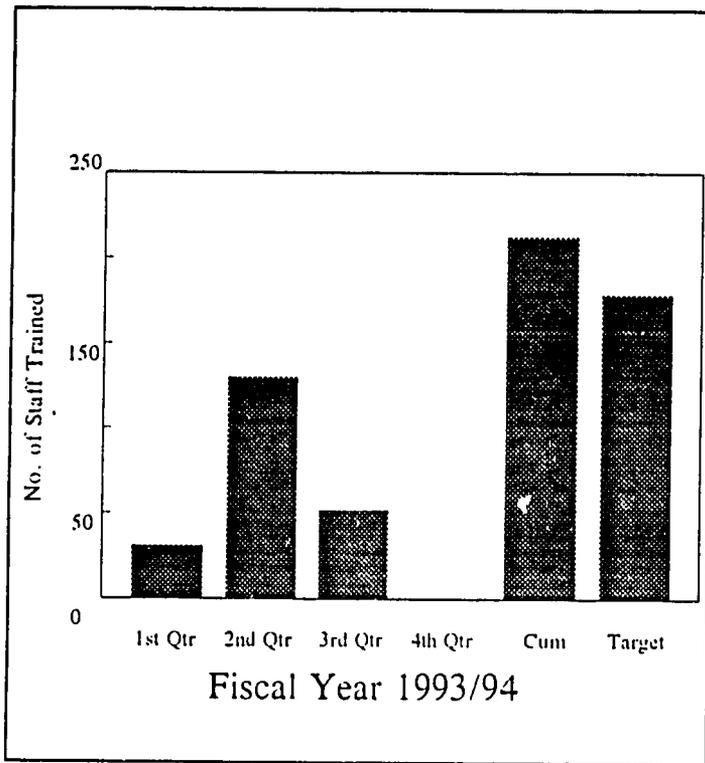
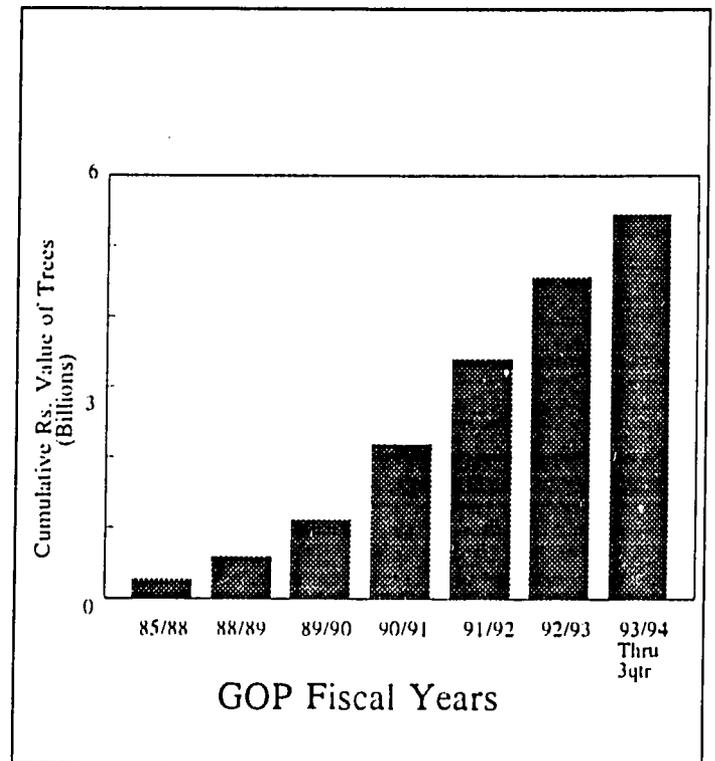
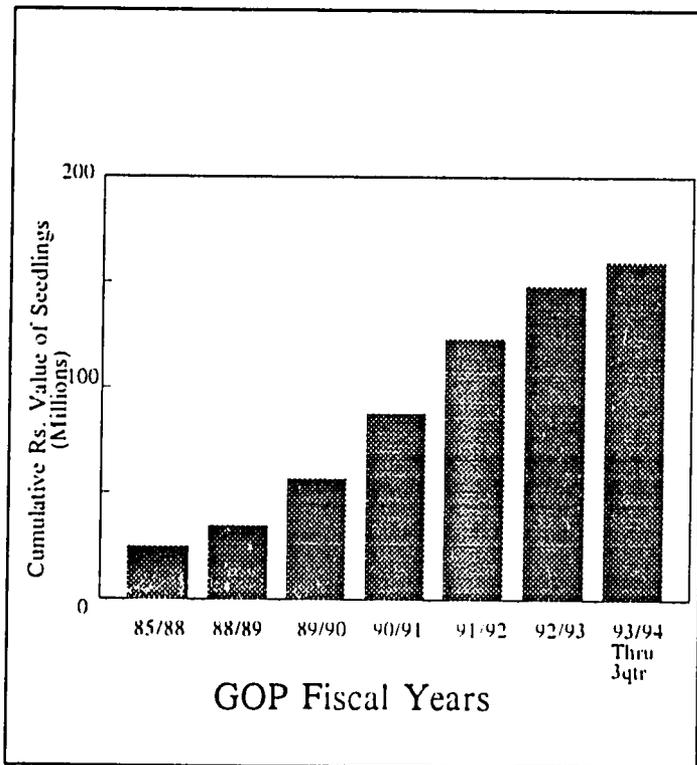


Figure 8. No. of Forest Department Staff Trained



(a) Cumulative Rs. Value of Farm Nursery Seedlings that have been Produced

(b) Cumulative Rs. Value of Trees at Time of Future Harvesting

Figure 9. Project Purpose Level Economic Indicators

Table 1. Third quarter's accomplishments by geographic location.

Name of Activity	3rd Qtr ACHIEVE 1993-94	PUNJAB	SINDH	NWFP	BALUCH	P.F.I./ Federal	Other
1. PLANTING							
No. Farms	3,275	1,206	9	1,951	109		
No. Plants	5,027,233	2,509,109	226,124	1,292,000	1,000,000		
2. NURSERY							
No. Units	124		3	56	64	1	
No. Plants	1,891,300		61,300	540,000	1,280,000	10,000	
3. LAND DEVELOPMENT							
No. Acres	30				30		
4. SOIL CONSERVATION							
No. Acres	0						
5. SINDH IRR. PLANTATION							
Ac. Afforested	0	NA		NA	NA	NA	NA
Ac. Rehabilitated	0	NA		NA	NA	NA	NA
6. RESEARCH							
No. New Projects	0		NA	NA	NA		NA
7. TRAINING							
A. No. of Staff							
Overseas							
Sh. Term	0						
Lg. Term	0						
Tours	0						
Local							
M.Sc	0						
B.Sc	0						
Other	52	1			1	50	
Tours	0						
B. No. of Farmers							
Tree Planting	1,566	1,126		200	240		
Nursery Tech.	128				128		
Land Development	3				3		
Soil Conserv.	0						
Mgmt/Mkt	0						
Motivators	11			1	10		
Tours	0						
8. BUILDINGS							
No. Offices	0	NA		NA	NA	NA	NA
No. Nursery Huts	0	NA		NA	NA	NA	NA
No. Res/Train Labs	0	NA		NA	NA	NA	NA
No. Hostels	0		NA		NA	NA	NA
No. Residences	0						

**Table 2. 1993/94 fiscal year project targets and accomplishments by geographic location.**

Name of Activity	PC-1 Target 1993-94	Achieve. Thru 3qtr	PUNJAB	SINDH	NWFP	BALOCH	P.F.I./ Federal/	Other
1. PLANTING								
No. Farms	12,400	13,513	4,566	404	8,174	369	0	0
No. Plants	24,388,607	19,004,289	8,834,755	1,900,534	4,769,000	3,500,000	0	0
2. NURSERY								
No. Units	282	523	212	47	132	131	1	0
No. Plants	21,150,000	11,632,000	2,483,000	960,000	5,559,000	2,620,000	10,000	0
3. LAND DEVELOPMENT								
No. Acres	15,684	690	100	0	60	530	0	0
4. SOIL CONSERVATION								
No. Acres	1,200	0	0	0	0	0	0	0
5. SINDH IRR. PLANTATION								
Ac. Afforested	1,414	0	NA	0	NA	NA	NA	NA
Ac. Rehabilitated	1,385	0	NA	0	NA	NA	NA	NA
6. RESEARCH								
No. New Projects	1	0	0	NA	NA	NA	0	NA
7. TRAINING								
A. No. of Staff Overseas								
Sh.Term	17	14	3	3	2	2	4	0
Lg.Term	15	10	4	2	0	2	2	0
Tours	25	0	0	0	0	0	0	0
Local								
M.Sc	20	24	12	5	5	2	0	0
B.Sc	33	36	24	1	10	0	1	0
Other	44	129	61	0	13	1	54	0
Tours	25	0	0	0	0	0	0	0
B. No. of Farmers								
Tree Planting	3,632	5,816	4,281	145	450	940	0	0
Nursery Tech.	280	796	413	45	81	257	0	0
Land Development	150	12	1	0	1	10	0	0
Soil Conserv.	120	0	0	0	0	0	0	0
Mgmt/Mkt	500	535	380	0	105	0	0	50
Motivators	50	25	0	0	7	15	0	0
Tours	90	0	0	0	0	0	0	0
8. Buildings								
No. Offices	3	0	NA		NA	NA	NA	NA
No. Nursery Huts	3	0	NA		NA	NA	NA	NA
No. Res/Train Labs	1	0	NA		NA	NA	NA	NA
No. Hostels	2	0		NA		NA	NA	NA
No. Residences	16	0						

**Table 3. 1993/94 Fiscal year project targets and accomplishments by quarter.**

Name of Activity	PC-1 Target 1993-94	Achievement in 1st Quarter	Achievement in 2nd Quarter	Achievement in 3rd Quarter	Achievement in 4th Quarter	Cumulat. Achieve. 1993-94	Cumulat. Achieve. as % of Target
<b>1. PLANTING</b>							
No. Farms	12,400	6,826	3,412	3,275	0	13,513	109.0%
No. Plants	24,388,607	9,45,756	4,481,300	5,027,233	0	19,004,289	77.9%
<b>2. NURSERY</b>							
No. Units	282	128	271	124	0	523	185.5%
No. Plants	21,150,000	5,765,700	3,975,000	1,891,300	0	11,632,000	55.0%
<b>3. LAND DEVELOPMENT</b>							
No. Acres	15,684	375	285	30	0	690	4.4%
<b>4. SOIL CONSERVATION</b>							
No. Acres	1,200	0	0	0	0	0	0.0%
<b>5. SINDH IRR. PLANTATION</b>							
Ac. Afforested	1,414	0	0	0	0	0	0.0%
Ac. Rehabilitated	1,385	0	0	0	0	0	0.0%
<b>6. RESEARCH</b>							
No. New Projects	1	0	0	0	0	0	0.0%
<b>7. TRAINING</b>							
<b>A. No. of Staff</b>							
<b>Overseas</b>							
Sh.Term	17	11	3	0	0	14	82.4%
Lg.Term	15	6	4	0	0	10	66.7%
Tours	25	0	0	0	0	0	0.0%
<b>Local</b>							
M.Sc	20	0	24	0	0	24	120.0%
B.Sc.	33	0	36	0	0	36	109.1%
Other	44	14	63	52	0	129	293.2%
Tours	25	0	0	0	0	0	0.0%
<b>B. No. of Farmers</b>							
Tree Planting	3,632	3,152	1,098	1,566	0	5,816	160.1%
Nursery Tech.	280	318	350	128	0	796	284.3%
Land Development	150	4	5	3	0	12	8.0%
Soil Conserv.	120	0	0	0	0	0	0.0%
Mgmt/Mkt	500	30	505	0	0	535	107.0%
Motivators	50	6	8	11	0	25	50.0%
Tours	90	0	0	0	0	0	0.0%
<b>8. BUILDINGS</b>							
No. Offices	3	0	0	0	0	0	0.0%
No. Nursery Huts	3	0	0	0	0	0	0.0%
No. Res/Train Labs	Nil						
No. Hostels	2	0	0	0	0	0	0.0%
No. Residences	16	0	0	0	0	0	0.0%

Table 4. Life of project targets and accomplishments by fiscal year.

Name of Activity	LOP 1985-94 PC-1 Target	1985/88 Achieved	1988/89 Achieved	1989/90 Achieved	1990/91 Achieved	1991/92 Achieved	1992/93 Achieved	Thru 3rd Qtr 1993/94 Achieved	LOP 1985-94 Achieved To Date	% Tar
1. PLANTING										
No. Farms	105,500	10,423	7,913	21,020	48,665	24,689	18,043	13,513	144,266	137
No. Plants	133,725,000	5,727,791	7,658,221	12,962,302	24,991,741	28,465,304	24,951,837	19,004,289	123,761,485	93
2. NURSERY										
No. Units	1,783	252	299	789	1,377	1,126	948	523	5,314	298
No. Plants	133,725,000	16,615,437	10,039,210	22,181,830	30,920,600	35,474,660	24,843,600	11,632,000	151,707,337	113
3. LAND DEVELOPMENT										
No. Acres	99,284	3,804	813	2,715	5,538	1,170	2,153	690	16,883	17
4. SOIL CONSERVATION										
No. Acres	7,600	85	35	405	2,035	310	293	0	3,163	42
5. SINDH IRR. PLANT.										
Mi. Canal Const	2			1	1				2	100
Ac. Afforested	5,400				337	1,220	2,429	0	3,986	74
Ac. Rehabil.	1,818			152	217	64		0	433	24
6. RESEARCH										
No. New Projects	50	17	13	1	7	6	5	0	49	98
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term	117	18	28	10	23	7	14	14	114	97
Lg.Term	43	2	1	3	2	3	3	10	24	56
Tours	50	12	8	2	1		2	0	25	50
Local										
M.Sc	52			3	19	1	20	24	67	129
B.Sc.	76			8	20	1	19	36	84	111
Other	280	147	63	65	204	164	207	129	979	350
Tours	170	1	8	54	65	63	23	0	214	126
B. No. of Farmers										
Tree Planting	23,000	5,906	5,978	9,676	36,806	26,835	17,314	5,816	108,331	471
Nursery Tech.	1,780			289	215	598	962	796	2,860	161
Land Dev.	990			25	55	99	414	12	605	61
Soil Conserv.	760			92	11	4	43	0	150	20
Mgmt/Mkt	2,500									
Motivators	600	11	231	23	629	589	156	535	1,909	76
Tours	570	27	158	294	35	63	25	25	413	69
8. BUILDINGS <sup>1/</sup>										
No. Offices	41 (27)			2	17	3	2	0	24	89
No. Nursery Hut	34 (20)			3	9	3	2	0	17	85
No. Res/Train L	4 (1)	NA	NA	NA	NA	NA	NA	0	0	0
No. Hostels	3 (4)				1		1	0	2	50
No. Residences	90 (0)		1	5	5	12	4	0	27	30

1/ PC-1 Targets (USAID Commitment)

Table 5. Punjab life of project accomplishments by fiscal year.

Name of Activity	1985/86 Achieved	1986/87 Achieved	1987/88 Achieved	1988/89 Achieved	1989/90 Achieved	1990/91 Achieved	1991/92 Achieved	1992/93 Achieved	Thru 3rd Qtr 1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms	112	761	2,952	4,320	6,974	27,704	11,836	9,418	4,566	68,643
No. Plants	54,554	755,327	1,790,773	3,974,403	6,476,904	14,850,127	15,300,207	15,447,037	8,834,755	67,484,087
2. NURSERY										
No. Units	3	49	100	209	566	992	566	299	212	3,001
No. Plants	886,500	2,122,500	4,074,624	5,500,580	16,759,830	17,328,900	13,023,560	8,923,600	2,483,000	71,103,094
3. LAND DEVELOPMENT										
No. Acres		2	2,952		2,067	3,458	627	1,768	100	10,974
4. SOIL CONSERVATION										
No. Acres		50			399	1,491	310	62	0	2,312
5. SINDH IRR. PLANT.										
Mi. Canal Const	NA	NA								
Ac. Afforested	NA	NA								
Ac. Rehabil.	NA	NA								
6. RESEARCH										
On-Go Res/Demo										0
No. Completed					1	2	1			4
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term		3	3	6	3	6	2	4	3	30
Lg.Term					1			1	4	6
Tours		1	2	1		1		1	0	6
Local										
M.Sc						9		13	12	34
B.Sc.						10		11	24	45
Other	18	21	20	25	32	79	37	39	61	332
Tours				4	20	22	8	19	0	73
B. No. of Farmers										
Tree Planting	112	802	3,048	4,529	7,689	28,696	20,176	15,019	4,281	84,352
Nursery Tech.					239	69	57	258	413	1,036
Land Dev.							7	321	1	329
Soil Conserv.							4	31	0	120
Mgmt/Mkt							609	496	120	1,605
Motivators				195					380	195
Tours				68		54	78		0	200
8. BUILDINGS										
No. Offices						1	12	1	2	16
No. Nursery Hut						3	6	2	NA	11
No. Residences				1		3	2	1	NA	15
No. Hostels	NA	8	0	0						
No. Res/Train L	NA	0								

Table 6. Sindh life of project accomplishments by fiscal year.

Name of Activity	1985/86 Achieved	1986/87 Achieved	1987/88 Achieved	1988/89 Achieved	1989/90 Achieved	1990/91 Achieved	1991/92 Achieved	1992/93 Achieved	Thru 3rd Qtr 1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms	NA	NA	NA	NA	NA	NA		48	404	452
No. Plants	NA	NA	NA	NA	NA	NA		1,103,800	1,900,534	3,004,334
2. NURSERY										
No. Units	NA	NA	NA	NA	NA	NA	70	55	47	172
No. Plants	NA	NA	NA	NA	NA	NA	2,960,000	1,600,000	960,000	5,520,000
3. LAND DEVELOPMENT										
No. Acres	NA	NA	NA	NA	NA	NA			0	0
4. SOIL CONSERVATION										
No. Acres	NA	NA	NA	NA	NA	NA			0	0
5. SINDH IRR. PLANT.										
Mi. Canal Const					1	1	NA	NA	NA	2
Ac. Afforested						337	1,220	2,429	0	3,986
Ac. Rehabil.					152	217	64		0	433
6. RESEARCH										
On-Go Res/Demo	NA	NA								
No. Completed	NA	NA								
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term		2	3	6	1	3			3	18
Lg.Term			1				2		2	5
Tours				1					0	1
Local										
M.Sc					1	3		3	5	12
B.Sc.					2	3		2	1	8
Other			2	1	2	22	15	9	0	51
Tours					5	3	13		0	21
B. No. of Farmers										
Tree Planting	NA	NA	NA	NA	NA	NA	2,737	300	145	3,182
Nursery Tech.	NA	NA	NA	NA	NA	NA		132	45	177
Land Dev.	NA	NA	NA	NA	NA	NA			0	0
Soil Conserv.	NA	NA	NA	NA	NA	NA			0	0
Mgmt/Mkt	NA	NA	NA	NA	NA	NA			0	0
Motivators	NA	NA	NA	NA	NA	NA	79	25	0	104
Tours	NA	NA	NA	NA	NA	NA			0	0
8. BUILDINGS										
No. Offices	NA	NA	NA	NA	NA	NA			0	0
No. Nursery Hut	NA	NA	NA	NA	NA	NA			0	0
No. Residences	NA	NA	NA	NA	NA	NA			0	0
No. Hostels	NA	NA	NA	NA	NA	NA	4		0	4
No. Res/Train L	NA	NA	NA	NA	NA	NA		NA	NA	NA
									0	0

Table 7. NWFP life of project accomplishments by fiscal year.

Name of Activity	1985/86 Achieved	1986/87 Achieved	1987/88 Achieved	1988/89 Achieved	1989/90 Achieved	1990/91 Achieved	1991/92 Achieved	1992/93 Achieved	Thru 3rd Qtr 1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms		1,400	4,625	2,878	13,030	20,307	10,673	6,827	8,174	67,914
No. Plants		670,892	1,834,565	3,226,000	4,492,000	8,001,800	6,917,100	4,556,000	4,769,000	34,467,357
2. NURSERY										
No. Units	10	16	46	81	148	171	192	155	132	951
No. Plants	400,000	2,061,468	5,375,345	4,144,000	3,297,000	10,409,700	10,111,900	4,912,000	5,559,000	46,270,413
3. LAND DEVELOPMENT										
No. Acres			850	813	175	1,680		96	60	3,674
4. SOIL CONSERVATION										
No. Acres			35	35	6	544		66	0	686
5. SINDH IRR. PLANT.										
Mi. Canal Const	NA	NA								
Ac. Afforested	NA	NA								
Ac. Rehabil.	NA	NA								
6. RESEARCH										
On-Go Res/Demo	NA	NA								
No. Completed	NA	NA								
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term		1		7		5	1	4	2	20
Lg.Term			1			2			0	3
Tours		2	2	1					0	5
Local										
M.Sc					1	4	1	3	5	14
B.Sc.					4	5		5	10	24
Other	15	14	11	16	14	31	15	26	13	155
Tours					15		12		0	27
B. No. of Farmers										
Tree Planting		200	1,220	791	1,987	7,843	1,251	122	450	13,864
Nursery Tech.					18	146	67	22	81	334
Land Dev.					25	55		2	1	83
Soil Conserv.					7	11		2	0	20
Mgmt/Mkt						20	6	10	105	141
Motivators			11	36	23	24	18	6	7	125
Tours			27	80	47	162	122	13	0	451
8. BUILDINGS										
No. Offices					1	3			NA	4
No. Nursery Hut						2	1		NA	3
No. Residences					1	2			0	6
No. Hostels								3	0	0
No. Res/Train L	NA	NA								

Table 8. Balochistan life of project accomplishments by fiscal year.

Name of Activity	1985/86 Achieved	1986/87 Achieved	1987/88 Achieved	1988/89 Achieved	1989/90 Achieved	1990/91 Achieved	1991/92 Achieved	1992/93 Achieved	Thru 3rd Qtr 1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms			573	715	1,016	654	2,180	1,750	369	7,257
No. Plants			621,680	457,818	1,993,398	2,139,814	6,247,997	3,845,000	3,500,000	18,805,707
2. NURSERY										
No. Units		14	6	8	74	213	295	435	131	1,176
No. Plants		1,000,000	394,000	300,000	1,940,000	3,000,000	9,284,000	8,700,000	2,620,000	27,238,000
3. LAND DEVELOPMENT										
No. Acres					473	400	543	289	530	2,235
4. SOIL CONSERVATION										
No. Acres								165	0	165
5. SINDH IRR. PLANT.										
Mi. Canal Const	NA	NA								
Ac. Afforested	NA	NA								
Ac. Rehabil.	NA	NA								
6. RESEARCH										
On-Go Res/Demo	NA	NA								
No. Completed	NA	NA								
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term		1		1	3	1	1	1	2	10
Lg.Term							1	1	2	4
Tours		1	2		1				0	4
Local										
M.Sc					1	3		1	2	7
B.Sc.					2	2	1	1	0	6
Other		4	7	8	2	10	18	2	1	52
Tours				1	5	2	8		0	16
B. No. of Farmers										
Tree Planting			524	658		267	2,671	1,873	940	6,933
Nursery Tech.					32		474	550	257	1,313
Land Dev.							92	91	10	193
Soil Conserv.								10	0	10
Mgmt/Mkt									0	0
Motivators						11	45	19	18	93
Tours					18	7	6	110	0	141
8. BUILDINGS										
No. Offices						2	2		NA	4
No. Nursery Hut						1	2		NA	3
No. Residences					1	1			0	2
No. Hostels	NA	NA								
No. Res/Train L	NA	NA								

Table 9. PFI/Federal/Other life of project accomplishments by fiscal year.

Name of Activity	1985/86 Achieved	1986/87 Achieved	1987/88 Achieved	1988/89 Achieved	1989/90 Achieved	1990/91 Achieved	1991/92 Achieved	1992/93 Achieved	Thru 3rd Qtr 1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms	NA	NA								
No. Plants	NA	NA								
2. NURSERY										
No. Units	1	1	1	1	1	1	3	4	1	14
No. Plants	102,000	63,000	136,000	94,630	185,000	182,000	95,200	708,000	10,000	1,575,830
3. LAND DEVELOPMENT										
No. Acres	NA	NA								
4. SOIL CONSERVATION										
No. Acres	NA	NA								
5. SINDH IRR. PLANT.										
Mi. Canal Const	NA	NA								
Ac. Afforested	NA	NA								
Ac. Rehabil.	NA	NA								
6. RESEARCH										
On-Go Res/Demo	1		10	9		4	3	5		32
No. Completed		2	4	4		1	2			13
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term		3	2	8	3	8	3	5	4	36
Lg.Term				1	2			1	2	6
Tours		1	1	5	1			1	0	9
Local										
M.Sc									0	0
B.Sc.									1	1
Other	9	11	15	13	15	62	79	131	54	389
Tours			1	3	9	38	22	4	0	77
B. No. of Farmers										
Tree Planting									0	0
Nursery Tech.									0	0
Land Dev.									0	0
Soil Conserv.									0	0
Mgmt/Mkt									0	0
Motivators							8	1	50	59
Tours				10	229		28		0	0
8. BUILDINGS										
No. Offices	NA	NA								
No. Nursery Hut	NA	NA								
No. Residences	NA	NA								
No. Hostels									NA	NA
No. Res/Train L	NA	NA	NA	NA	NA	NA	1	1	NA	2

Table 10. No. of NGO grants by status, type and province.

Province	TYPE OF GRANT											
	Seedling Production		Environmental Awareness		Biodiversity		Institutional Capacity		Training		TOTAL	
	No.	US \$	No.	US \$	No.	US \$	No.	US \$	No.	US \$	No.	US \$
<b>COMPLETED GRANTS</b>												
Punjab	5	21,262	2	5,402	0	0	1	6,631	0	0	8	33,295
Sindh	2	10,567	0	0	0	0	0	0	0	0	2	10,567
Balochistan	0	0	0	0	1	23,513	0	0	0	0	1	23,513
NWFP	0	0	1	14,190	0	0	0	0	0	0	1	14,190
AJ&K	0	0	0	0	0	0	0	0	0	0	0	0
Islamabad	1	12,103	2	23,365	0	0	0	0	0	0	3	35,468
Federal	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	8	43,932	5	42,957	1	23,513	1	6,631	0	0	15	117,033
<b>ON-GOING GRANTS</b>												
Punjab	15	113,600	0	0	0	0	0	0	1	2,000	16	115,600
Sindh	7	30,300	0	0	0	0	1	13,300	2	4,300	10	47,900
Balochistan	0	0	0	0	1	13,100	0	0	0	0	1	13,100
NWFP	5	56,300	0	0	0	0	1	36,700	1	2,000	7	95,000
AJ&K	1	7,700	1	2,500	0	0	0	0	0	0	2	10,200
Islamabad	3	17,500	4	63,400	0	0	1	20,000	0	0	8	100,900
Federal	0	0	1	9,100	1	12,000	1	5,200	0	0	3	26,300
Subtotal	31	225,400	6	75,000	2	25,100	4	75,200	4	8,300	47	409,000
<b>TOTAL GRANTS</b>												
Punjab	20	134,862	2	5,402	0	0	1	6,631	1	2,000	24	148,895
Sindh	9	40,867	0	0	0	0	1	13,300	2	4,300	12	58,467
Balochistan	0	0	0	0	2	36,613	0	0	0	0	2	36,613
NWFP	5	56,300	1	14,190	0	0	1	36,700	1	2,000	8	109,190
AJ&K	1	7,700	1	2,500	0	0	0	0	0	0	2	10,200
Islamabad	4	29,603	6	86,765	0	0	1	20,000	0	0	11	136,368
Federal	0	0	1	9,100	1	12,000	1	5,200	0	0	3	26,300
Total	39	269,332	11	117,957	3	48,613	5	81,831	4	8,300	62	526,033

## **PROGRESS TOWARD PROJECT GOALS AND PURPOSE**

This quarter the Project begins its last nine months of activity. The Project is successful in getting farmers to plant trees on their private farm lands. This success has resulted in a significant energy and economic impact on rural Pakistan within the project area. Several of Pakistan's wood-using forest industries now view farm forestry as a means of providing a sustainable supply of raw materials for their processing facilities.

Since 1985, nearly 152 million trees have been raised in 5,300 farm nurseries and these seedlings have been planted on more than 144,000 farms. At maturity (age 7), these trees will provide approximately 9.3 million metric tons of wood for use or sale by farm households. In addition to energy and home constructions use, new industrial markets have developed and are purchasing farm-grown wood that is produced through this project. The wood produced on farms under this project has a nominal farm gate value of U.S. \$180 million.

Important from an institutional standpoint, social forestry schemes now being formulated throughout Pakistan, both by the federal and provincial governments and by foreign donors, are adopting the methods and implementation strategies used in the Forestry Planning and Development Project. Both the World Bank and the Asian Development Bank are developing, with the federal and provincial governments, programs to fund farm forestry projects. The provincial forest department staffs have become comfortable with and proficient in their role as technology transfer agents. They are beginning to put increasing emphasis on strengthening wood producer and wood user linkages. The departments are evaluating strategies to institutionalize their farm forestry activities within existing and modified administrative structures.

This report includes indicators which USAID uses to monitor progress towards project purpose. Figures 1, 4, 7, 8 and 9 graphically show the change in selected purpose level social/economic indicators over the life of the project.

## **PROJECT ACCOMPLISHMENTS DURING THE QUARTER**

### **A. INSTITUTIONAL AND MANPOWER DEVELOPMENT**

#### **1. Project Reporting and Coordination**

- Federal Advisory Committee annual meeting was rescheduled for April 1994.
- Meeting of the Provincial Project Directors was rescheduled to coincide with the Federal Advisory Committee meeting.
- Annual Survey of Training report for the period

January 1 through December 31, 1993 was prepared and distributed.

## 2. National Policy

- The Asian Development Bank and the World Bank continue to discuss and formulate programs consistent with the Forestry Sector Master Plan to strengthen the forestry sector in the federal and provincial governments of Pakistan. Emphasis is placed on programs that involve the participation of local individuals and communities in the resource management decision making process.

## 3. Training

### a. Long-Term Overseas Training

- Najmuddin Vistro, Sindh Province, completed his M.Sc. degree in the economics of farm forestry at the University of Missouri on 17 September 1993.

Person-months: 20.0

NOTE: N. Vistro should have been included in last quarter's report.

- Four officers now are progressing towards M.Sc. degrees and one officer is progressing towards a Ph.D. degree in U.S. institutions.

### b. Long-Term In-Country Training

- 55 M.Sc. degree program students were given 8.5 hours of instruction on the use of linear programming methodologies to develop harvest schedules for an irrigated plantation in the Punjab.

Person-months: 3.5

- 32 individuals (23 men and 9 women) are continuing their 2-year B.Sc. degree programs in Forestry at PFI, Peshawar on project provided fellowships.
- 21 individuals (17 men and 4 women) are continuing their 2-year M.Sc. degree programs in Forestry at PFI, Peshawar on project provided fellowships.
- 1 woman began her 2-year M.Sc. degree program in Forestry at PFI, Peshawar in October 1993 has been provided a project fellowships for her first year.

### c. Short-Term Overseas Training

- None this quarter and no additional overseas short-term training is scheduled.

### d. In-Country Technical Training

- 2 officers, 1 from Punjab and 1 from Balochistan, completed a 2-week Pakistan Academy for Rural Development course on Social Forestry and Rural Development in Peshawar during the period February 5-17, 1994.  
Person-months: 1.1
- e. In-Country Farm Forestry Training
  - Organized and conducted half-day workshops for 1566 farmers involved in tree planting activities in Punjab, NWFP and Balochistan.  
Person-months: 35.6
  - Organized and conducted one-day workshops for 128 farmers involved in managing farm nurseries in Balochistan.  
Person-months: 5.8
  - Organized and conducted one-day workshop for 3 farmers involved in land development activities in Balochistan.  
Person-months: 0.1
  - Organized and conducted one-day workshops for 11 village motivators in NWFP and Balochistan.  
Person-months: 0.5

#### 4. Technical Assistance

TAT members met with Officers, Project Directors and their staffs in Punjab, Sindh, NWFP and Balochistan provinces, at the Pakistan Forest Institute, and at the Punjab Forest Research Institute. The following highlights are in addition to the TAT's advising and training responsibilities.

- Participated in a 2-day conference sponsored by the Atomic Energy Agricultural Research Centre in Tando Jam, Sindh on Innovative Approaches to Utilization of Salt Affected Lands in Agriculture and Forestry on March 19-20, 1994.
- Prepared a note for the Secretary Forests, Punjab Forest Department on deficiencies in the forestry sector in the Punjab and their possible solution.
- Participated as a resource person on the Punjab Forest Department organized Working Group on Forestry Extension and Social Forestry Programs.
- Gary G. Naughton began his second 5-week consultancy (March 25, 1994) to develop Tree Farmers Guides for log standard/grade requirements of wood used by selected wood-using industries in

Pakistan.

## **5. Research Management**

- Punjab Forest Department organized and held a 3-day internal research review of the Punjab Forest Research Institute, Gatwala (PFRI) on January 7-9, 1994. The review concluded with 24 action recommendations to strengthen PFRI's programs and provide it direction in the future. These recommendations included holding regularly scheduled research reviews that include field officer representatives.

## **B. OPERATIONAL ACTIVITIES**

### **1. Barani/Irrigated Plantations - Balochistan, NWFP, Punjab and Sindh**

#### **a. Nursery Development**

- 124 farm forestry nurseries in Sindh, Balochistan and NWFP distributed tree seedlings to farmers.

#### **b. Tree Planting**

- 5.0 million tree seedlings were planted by farmers in Punjab, Balochistan, Sindh and NWFP.

#### **c. Extension/Outreach/Recognition**

- 1,697 farmers received training in the raising and planting of tree seedlings/cuttings, management and marketing of farm woodlot products, and in land and soil conservation methods in Punjab, Balochistan and NWFP.

#### **d. Land Development and Soil Conservation**

- 30 acres of land development and soil conservation works were completed in Balochistan.

#### **e. Monitoring and Evaluation**

- The final report associated with Donald L. Grebner's review of the Forestry Planning and Development Project was printed and distributed.
- An article by Project Monitoring and Evaluation Cell officers which reports on their assessment of Private Farm Nurseries in Punjab and NWFP was published in the October 1992 issue of the Pakistan Journal of Forestry (issued in March 1994).

- GIS equipment has been ordered. Renovation of a laboratory to house the GIS equipment at PFI is underway.
- 2. Irrigated Plantations - Sindh**
- No afforestation works were reported this quarter.
- 3. Irrigated Plantations - Punjab**
- Initial preparation of a linear program based prototype harvest schedule for Changa Manga plantation was completed. The final report is in preparation.
- 4. NGO Activities**
- Awarded and completed grants to NGOs by the FP&D Grant Unit during this quarter are shown in Attachment G.
  - Several workshops were organized and conducted on nursery and tree planting technologies for members of NGOs who have received project grants.
- 5. Special Studies**
- o Use/Marketing/Economics of Farm Forestry Products
    - A consultancy to prepare of log grades for farm grown industrial wood products was initiated. A technical note and several Tree Farmers Guides will be the final product of this consultancy.
    - Prepared a proposal for holding a second Wood Producers - Wood Users Conference in collaboration with the Agribusiness Cell of the Ministry of Food, Agriculture and Livestock.
    - An operational trial using Eucalyptus as pit props in coal mines near Joharabad, Khushab was cancelled due to the continued availability of Kikar in large quantities.
  - o Farm Forestry Field Guides
    - Tree Farmers Guide No. 15: Farm Trees - Kikar. English and Urdu documents were prepared, printed and distributed.
  - o Non-Degree Training Teaching Materials
    - All 10 chapters of the training manual associated with the new curricula for Foresters have been reviewed and edited. The material has also been

packaged into 7 separate chapters for use in the new curricula for Forest Guards. Seventy posters and charts have been prepared for use with these training manuals. These materials are now being printed.

## **6. Research**

- Prepared a research work plan for proposed activities under the Asia Pacific Agroforestry Network (APAN) in Pakistan during 1994.
- 31 research projects, studies and demonstrations are currently on-going.

## **C. CONSTRUCTION**

### **1. Provincial Office Facilities**

- Construction on 1 DFO and 2 RFO offices, and 3 nursery huts in Sindh is 25 percent complete.

### **2. Provincial Research and Training Facilities**

- Construction of the research and training units at Hyderabad is 30 percent complete.

### **3. Hostel Facilities**

- Construction of the hostel at Abbottabad is 55 percent complete.
- Construction of the hostel at Ghora Gali is 60 percent complete.

## **PROJECT IMPLEMENTATION ISSUES**

### **A. ACTION ON THIS QUARTER'S ISSUES**

Federal Advisory Committee and Project Directors Meetings  
The meeting was postponed until next quarter and is currently scheduled for April 1994.

### **B. NEXT QUARTER'S ISSUES**

Federal Advisory Committee and Project Directors Meetings  
As the Project begins its final year it is appropriate that planning activities become better coordinated and focus. In addition, there is a need for project staff to share experiences across provincial boundaries and formulate lessons learned so they can be incorporated

into future activities. Thus, special importance is assigned to a Project Directors Meeting.

**ACTION:** The O/IGF and provincial forest departments, in collaboration with the TAT, will schedule and hold meetings of the Federal Advisory Committee and Provincial Project Directors as early as possible.

## **PROPOSED PROJECT ACTIVITIES FOR NEXT QUARTER**

### **A. INSTITUTIONAL AND MANPOWER DEVELOPMENT**

#### **1. Project Reporting and Coordination**

- Meeting of Federal Advisory Committee.
- Meeting of Provincial Project Directors.

#### **2. National and Provincial Policy**

- Project Preparation for World Bank and Asian Development Bank follow-on programs continues in the Punjab and NWFP, and at the Federal level.
- Implementation of the National Policy for Forests, Wildlife, Watersheds and Rangelands, 1991 continues.

#### **3. Training**

##### **a. Long-Term Overseas**

- M.Sc. and Ph.D. students continue degree training in U.S. forestry institutions.

##### **b. Long-Term In-country**

- Preparation of training materials for Forest Guard and Forester curricula continues.
- B.Sc. and M.Sc. scholarship students continue their two year program of forestry training.

##### **c. Short-Term Overseas**

- No additional overseas short-term training is scheduled.

##### **d. In-Country Technical Training**

- Conduct workshops on farm forest technologies.

##### **e. In-Country Farm Forestry Training**

- Conduct Farmer workshops on tree planting.
- Conduct Farmer workshops on managing and operating farm nurseries.
- Conduct Farmer workshops on the management, marketing and utilization of farm grown wood.

#### **4. Technical Assistance**

- TAT members will meet with Officers, Project Directors and their staffs in the Balochistan, Punjab, NWFP and Sindh provinces, at the Pakistan Forest Institute, and at the Punjab Forest Research Institute.

### **B. OPERATIONAL ACTIVITIES**

#### **1. Barani/Irrigated Plantations - Balochistan, NWFP, Punjab, and Sindh**

##### **a. Nursery Development**

- Farm nurseries complete production of seedlings for the monsoon planting season.

##### **b. Tree Planting**

- Farmers plant trees on rainfed, irrigated and waterlogged lands.

##### **c. Extension/Outreach**

- Provide tree crop management information to farmers.

##### **d. Soil Conservation and Land Development**

- Support soil conservation and land development activities in the project.

##### **e. Monitoring and Evaluation**

- Continue implementation of the GIS laboratory at PFI.

#### **2. Irrigated Plantations - Sindh**

- Continue rehabilitation and reforestation activities.

#### **3. Irrigated Plantations - Punjab**

- Completion of the linear program based prototype harvest schedule for Changa Manga plantation.

#### **4. NGO Activities**

- Provide grants to Pakistan NGOs for activities which strengthen farm forestry programs.

#### **5. Special Studies**

##### **o Use/Marketing/Economics of Farm Forestry Products**

- Facilitate interaction between farm forestry producers and industrial wood users on the marketing and utilization of farm grown wood.
- Finalize preparation for the second Wood Users - Wood Producers conference.
- Gary Naughton completes a consultancy to develop log grade rules for selected farm forestry markets.

##### **o Farm Forestry Field Guides**

- Prepare a technical note on the insects and diseases of Simal and on tree nursery insect and diseases.
- Prepare and distribute Farmer Guides on log grades.

##### **o Non-Degree Training Teaching Materials**

Publish and distribute training manual and instructional aids used in association with the Forester and Forest Guards curricula.

#### **6. Research**

- Continue review of on-going research projects and studies. Prepare publications on completed studies.

### **C. CONSTRUCTION**

#### **1. Provincial Office Facilities**

- Construction continues on offices and nursery huts in Sindh.

#### **2. Provincial Research and Training Facilities**

- Construction continues on research and training units at Hyderabad.

### **3. Hostel Facilities**

- Construction continues on the hostel at Abbottabad.
- Construction continues on the hostel at Ghora Gali.

**ATTACHMENT A. TECHNICAL ASSISTANCE TEAM FINANCIAL SUMMARY FOR  
PHASE II.**

<u>Line Item</u>	<u>5-Year Budget Amount</u>	<u>31 Mar 94 Cumulative Expended</u>	<u>Percent Expended</u>
1. Salaries and Wages	\$1,248,070	\$1,133,802.52	90.84
2. Fringe Benefits	296,926	271,882.58	91.57
3. Overhead	723,687	658,494.58	90.99
4. Travel, Transportation & Per Diem	645,487	515,664.46	79.89
5. Allowances	327,378	305,186.52	93.22
6. Other Direct Costs	744,826	582,109.17	78.15
7. Local Training	244,850	219,466.12	89.63
8. Commodities	418,475	409,677.00	97.90
9. Subcontracts	78,271	78,271.00	100.00
Total Expended	\$4,727,970	\$4,174,553.95	88.29

**ATTACHMENT B. USAID AND GOP LIFE OF PROJECT FINANCIAL SUMMARY.**

<u>Line Item</u>	<u>Budgeted Amount</u>	<u>31 Mar 93 Cumulative Expended</u>	<u>Percent Expended</u>
<u>USAID</u>			
Technical Assistance	\$ 8,200,000	\$ 7,580,446	92.44
Training	3,360,000	2,578,844	76.75
Commodities	2,738,000	2,564,942	93.68
Other Costs	12,852,000	11,799,063	91.81
Evaluation	350,000	172,026	49.15
Total Reimbursable	\$27,500,000	\$24,695,321	89.80
<u>GOP</u>			
Non-Reimbursable	Rs. 178,000,000	Rs. 104,079,645	58.47

**ATTACHMENT C. PROJECT PUBLICATIONS PRODUCED DURING THE THIRD  
QUARTER OF PAKISTAN FISCAL YEAR 1993/1994.**

**PUBLICATION**

Omer, R.M., S.A. Khan and C.R. Hatch. 1992. Private farm nurseries in Punjab and NWFP. Pakistan Journal of Forestry 42(4):180-190.

**TREE FARMERS GUIDES**

M.I. Sheikh. 1994. Farm Trees - Kikar. Tree Farmers Guide No. 15, (Urdu and English), Forestry Planning and Development Project, 4 p.

**UNNUMBERED REPORTS**

Winrock International. 1994. Annual Survey of Training: 1 January - 31 December 1993. Annual Report. Forestry Planning and Development Project, 18 p.

Donald L. Grebner and Charles R. Hatch. 1994. Review of the Forestry Planning & Development Project. Final Report. Forestry Planning and Development Project, 32 p. plus appendices.

**ATTACHMENT D. NGO GRANTS AWARDED AND COMPLETED DURING THE THIRD  
QUARTER OF PAKISTAN FISCAL YEAR 1993/1994.**

**AWARDED**

49-Zubaida Women Welfare Association Islamabad	Seedling Production	\$5,100
50-Rural Technology & Socio Economic Institute Islamabad	Seedling Production	\$4,300
51-Anjuman Samaji Behbood Punjab	Seedling Production	\$6,600
52-National Farm Guide Council of Pakistan Punjab	Seedling Production	\$11,500
53-Pakistan Environmental Protection Foundation NWFP	Seedling Production	\$4,200
54-Worldwide Fund for Nature Balochistan	Biodiversity	\$13,100
55-Pakistan Library Association NWFP	Training	\$2,000
56-Social Welfare Society Punjab	Seedling Production	\$1,000
57-Rare Ones Organization Punjab	Seedling Production	\$4,200
58-J&K Scientific Farming Foundation Azad Kashmir	Environmental Awareness	\$2,500
59-Saiban Action Research for Shelter Sindh	Training	\$1,300
60-Shaheen Women Welfare Association Punjab	Seedling Production	\$1,000
61-Khawaja Fareed Welfare Society Punjab	Training	\$2,000
62-Orangi Pilot Project Sindh	Training	\$3,000

**COMPLETED**

5-Worldwide Fund for Nature Balochistan	Biodiversity	\$23,513
38-Habitat Integrated Pakistan Punjab	Institutional Capacity	\$6,631