

FORESTRY PLANNING & DEVELOPMENT PROJECT
GOVERNMENT OF PAKISTAN - USAID

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

QUARTERLY PROGRESS REPORT

1 July - 30 September, 1993

with

Life of Project Summaries

ISLAMABAD, PAKISTAN
October 31, 1993



FORESTRY PLANNING & DEVELOPMENT PROJECT

Government of Pakistan-USAID

3 November 1993

TO: Kh. Hameedullah
Project Officer

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

SUB: Quarterly Report for Period 1 July - 30 September, 1993

Attached is the Quarterly Report for the first quarter of Pakistan FY 93/94 covering the period 1 July - 30 September, 1993. Graphs and tables in this report summarize life of project achievements.

Distribution:

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 **Winrock International**

Technical Assistance Team

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The following tables give a tabular summary of project activities for the 1st quarter, cumulative for Pakistan fiscal year 1993-1994, and cumulative for life of project. Included in the tabular summary is:

- Table 1. First 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 1st quarter of fiscal year 1993/94. Attachment D lists NGO grants awarded and completed during the 1st quarter of fiscal year 1993/1994.

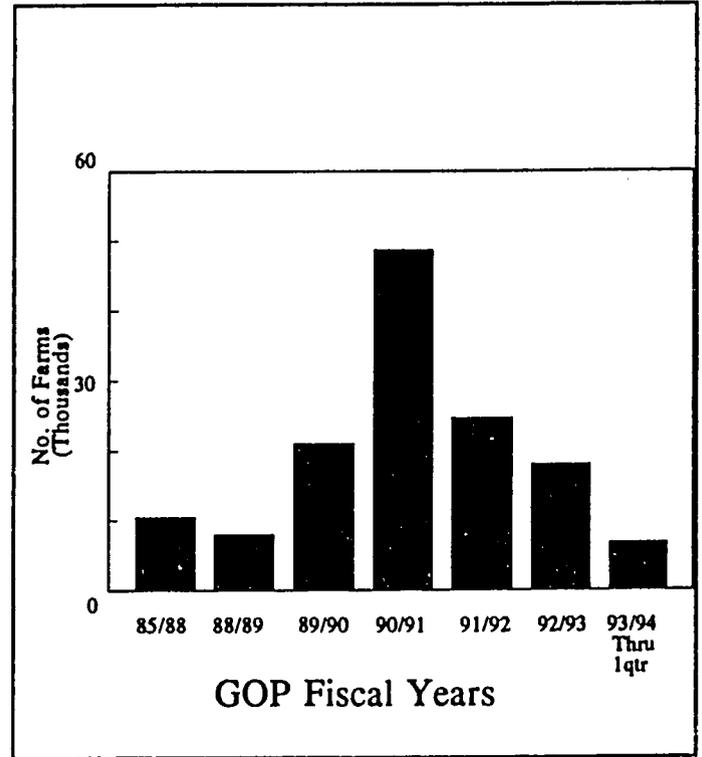
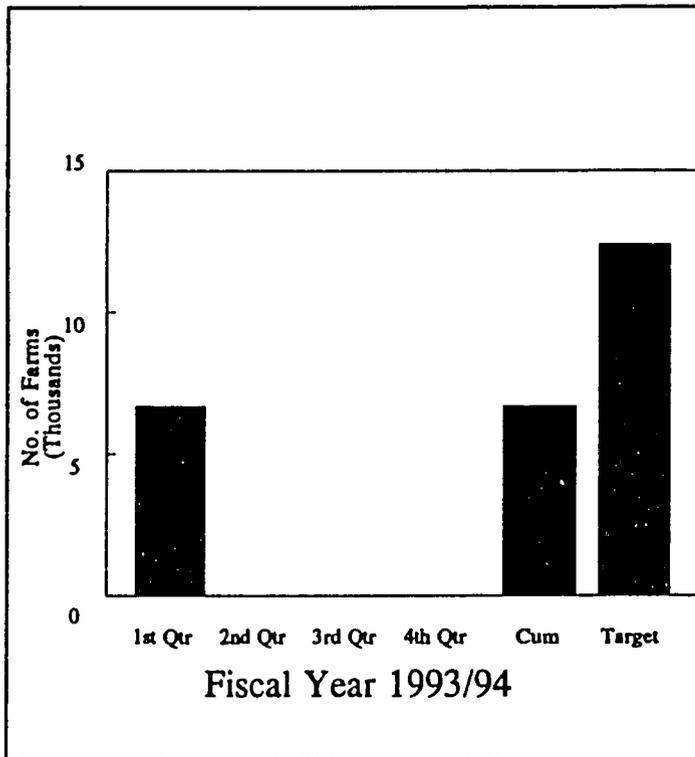


Figure 1. No. of Farm Households Participating in Farm Forestry

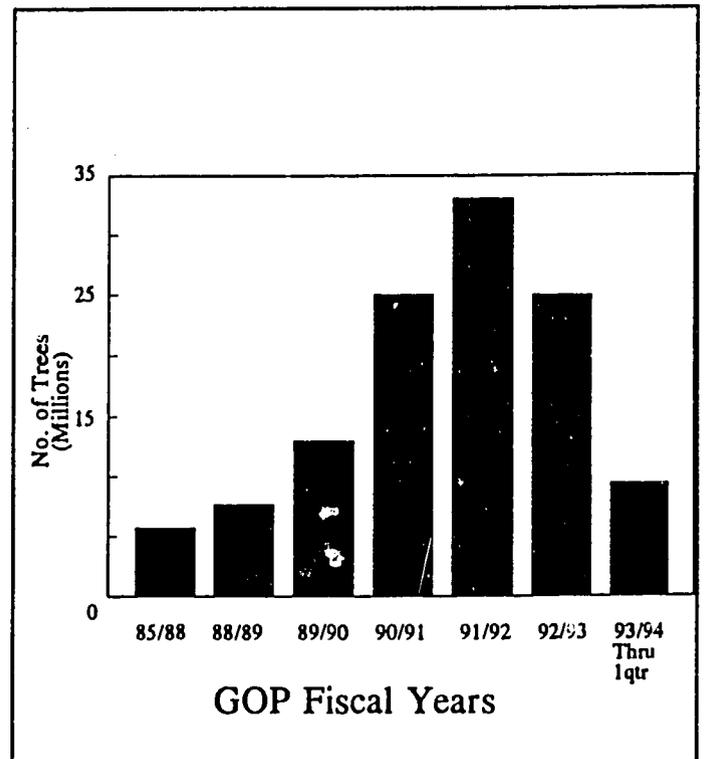
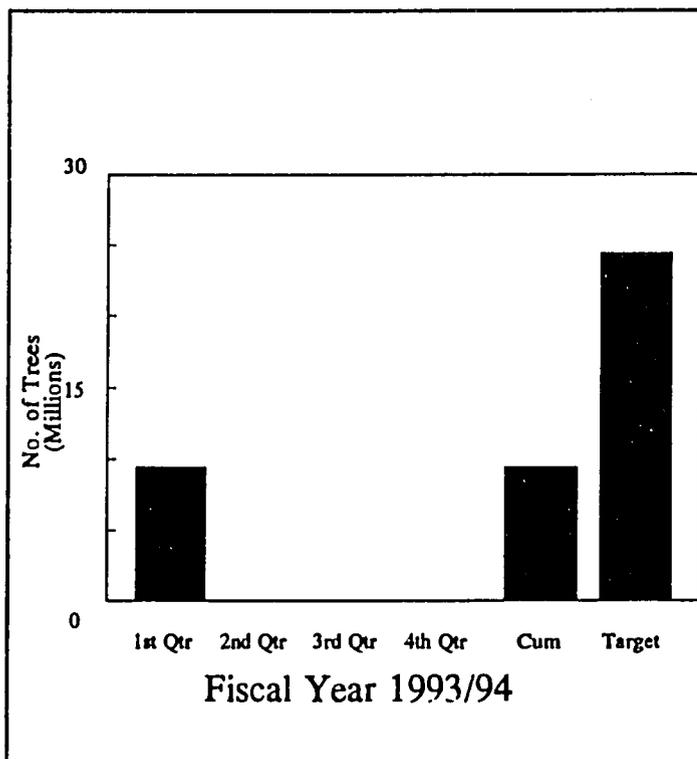


Figure 2. No. of Trees Planted on Farms - All Provinces

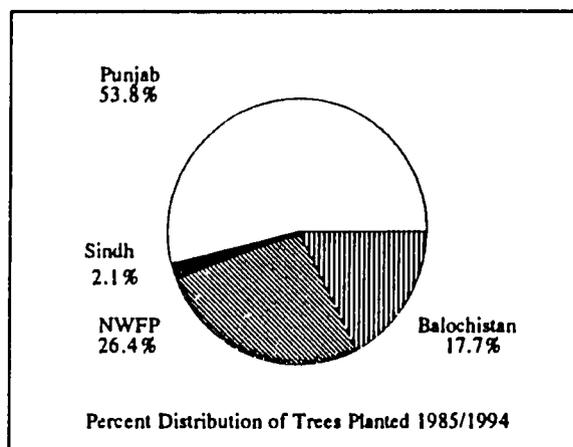
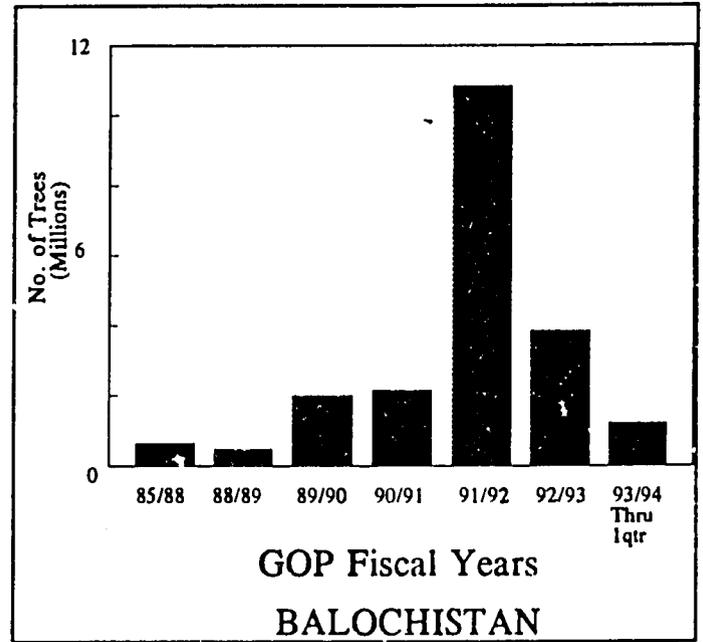
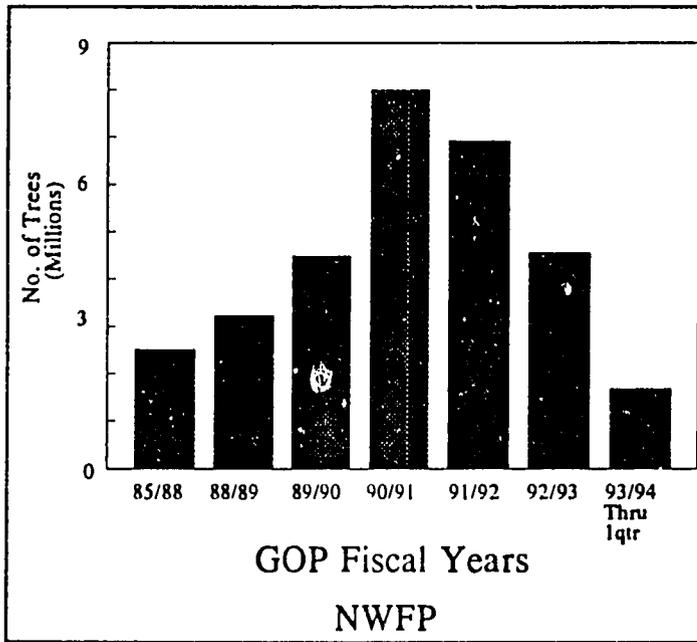
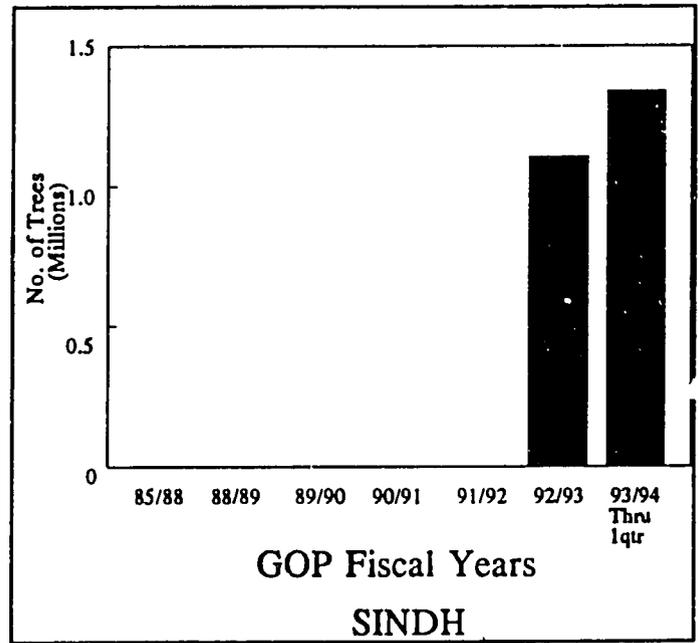
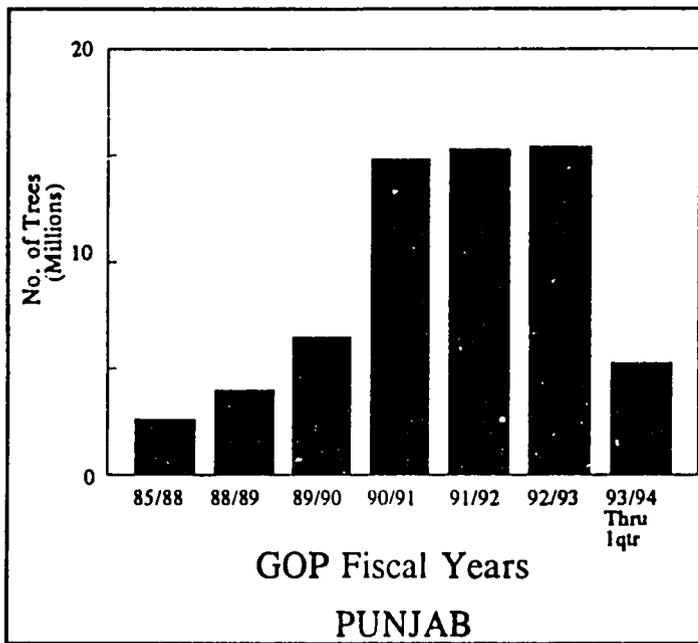


Figure 3. No. of Trees Planted on Farms by Province

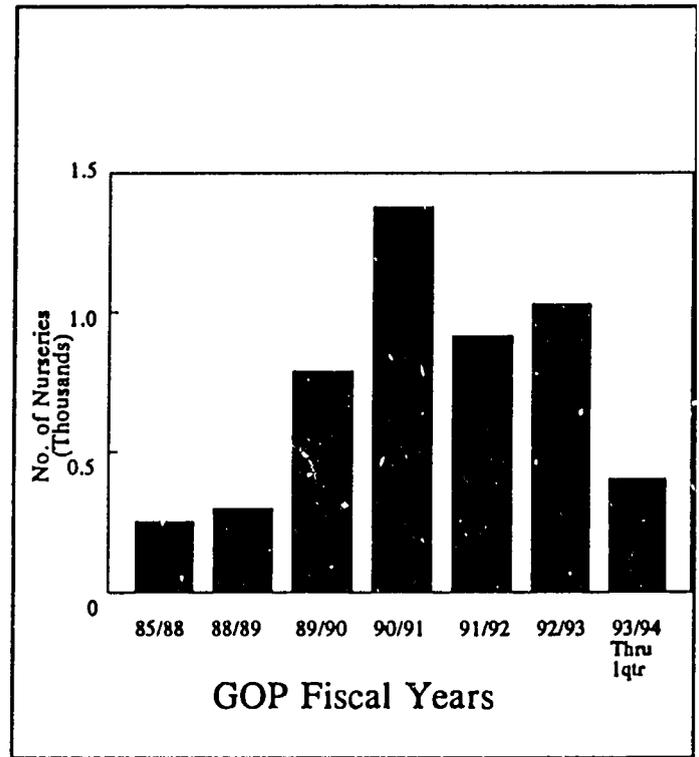
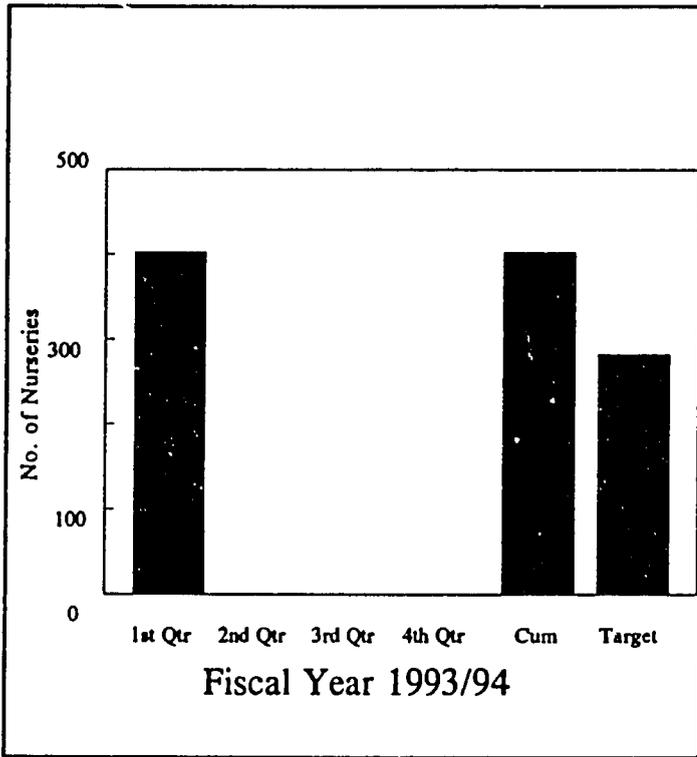


Figure 4. No. of Private Farm Nurseries

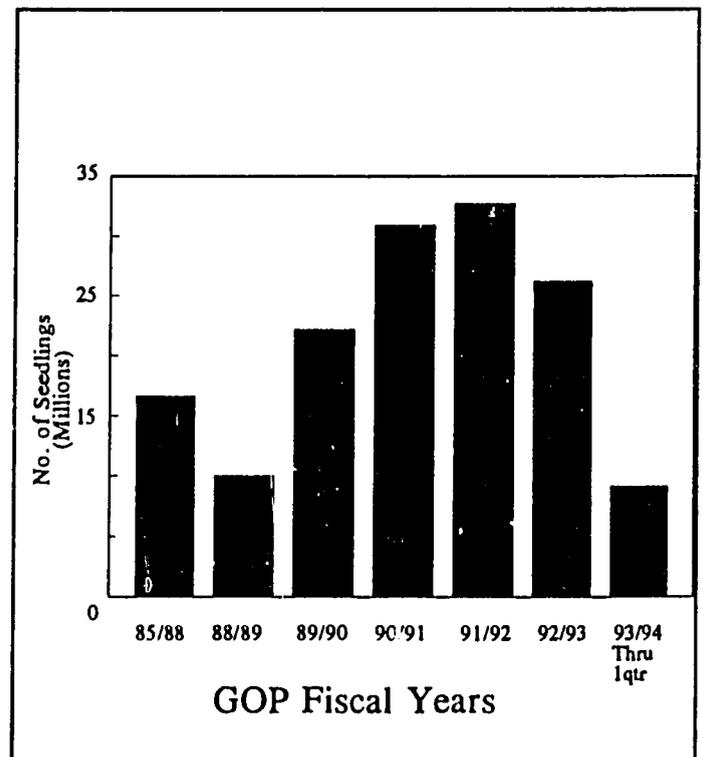
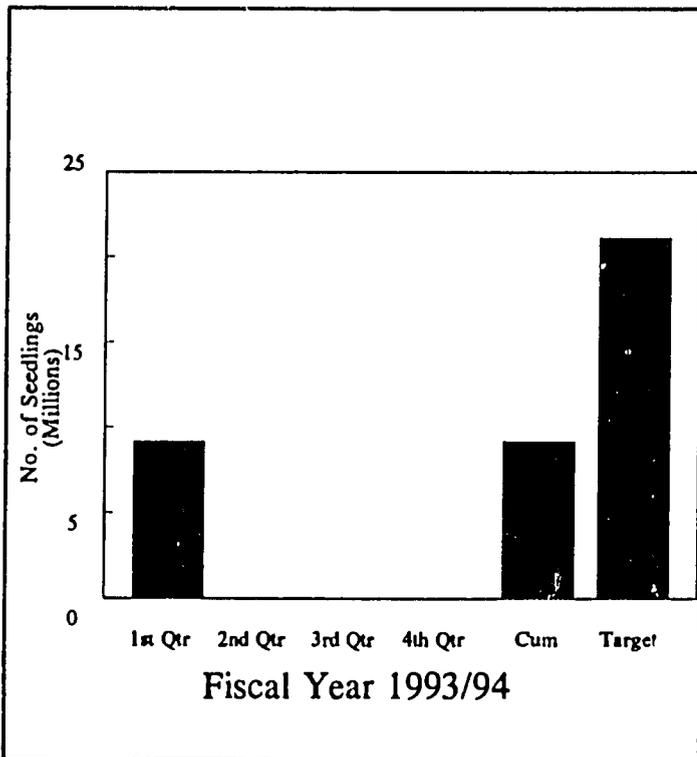


Figure 5. No. of Seedlings Raised in Farm Nurseries

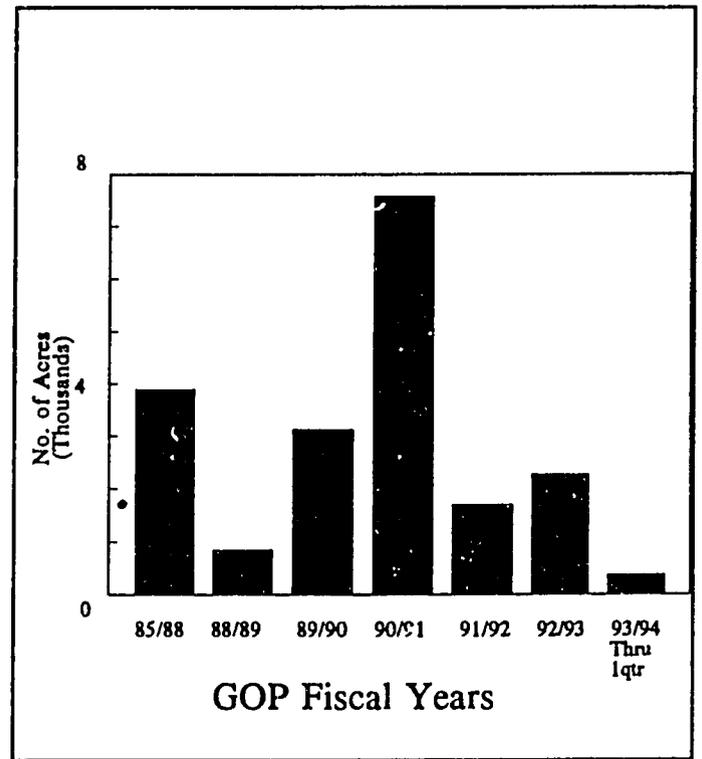
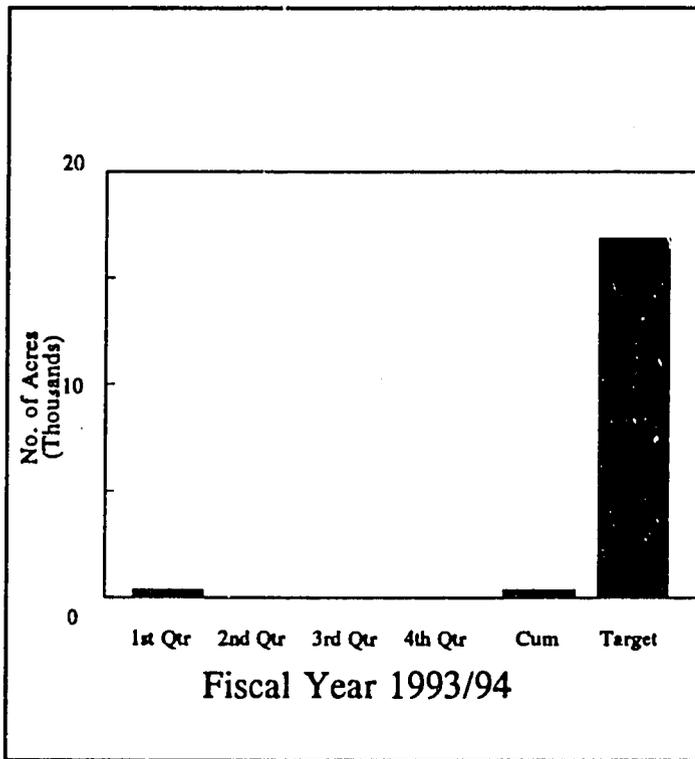


Figure 6. No. of Acres Treated under Soil Conservation and Land Development Activities

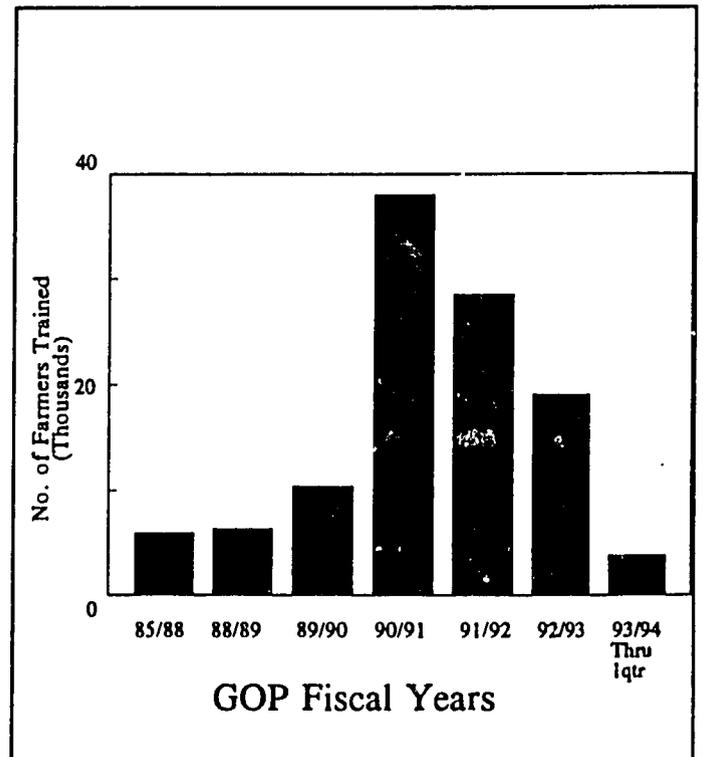
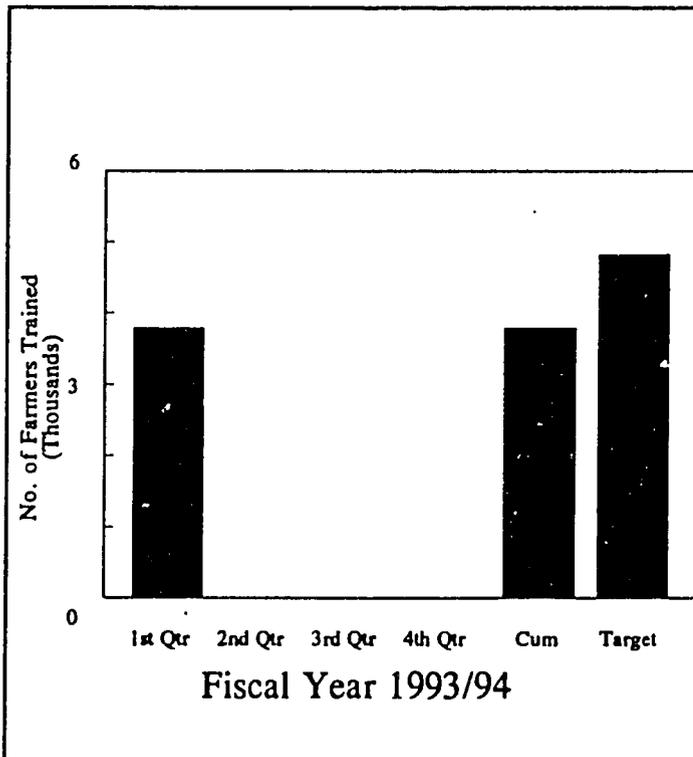


Figure 7. No. of Farmers Trained in Farm Forestry Activities

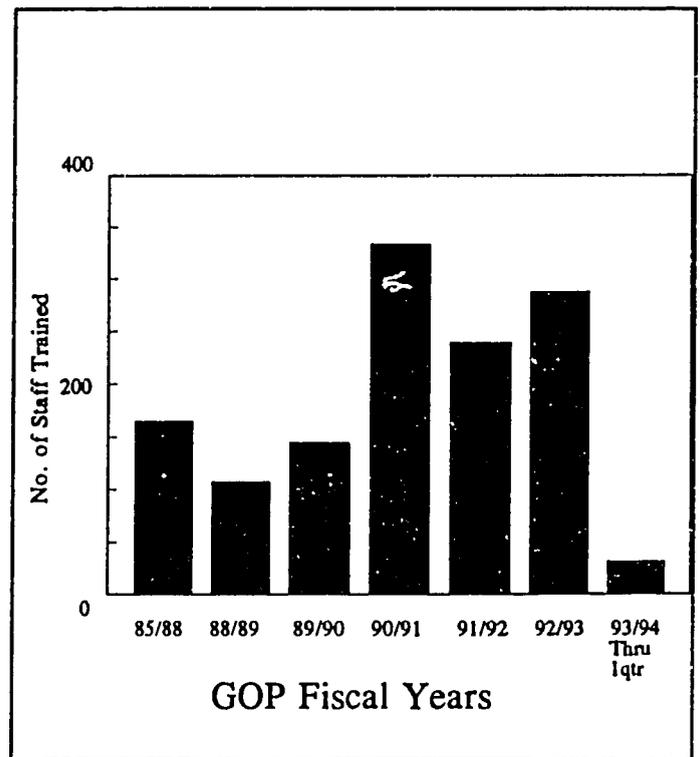
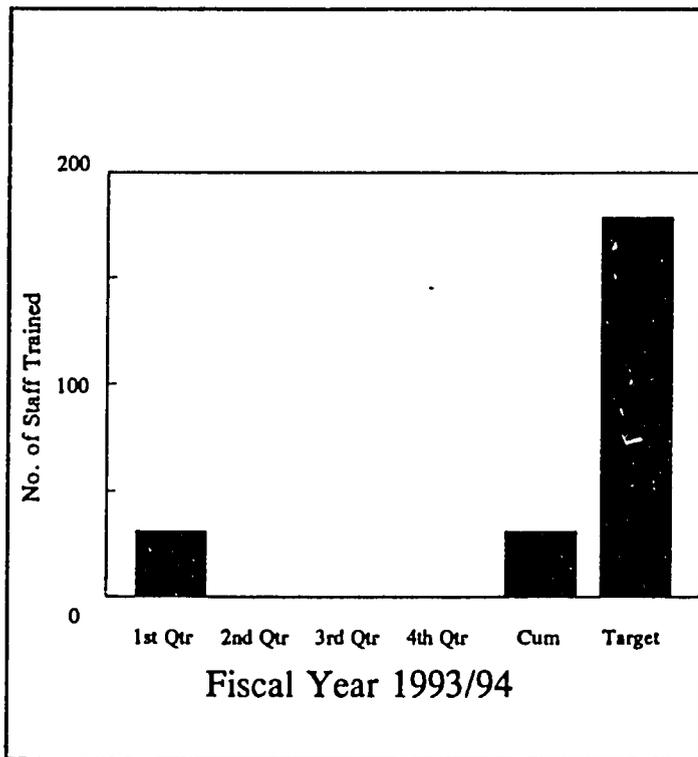
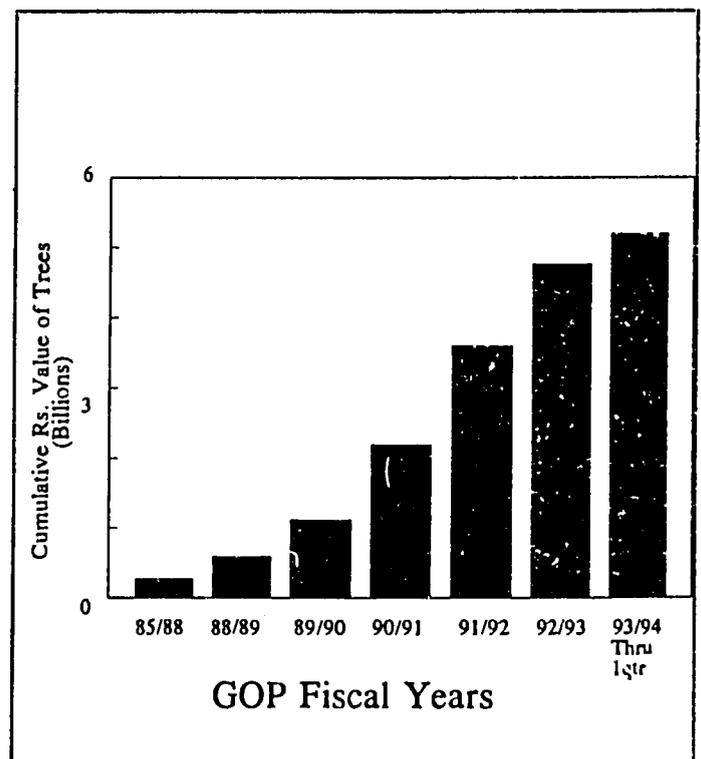
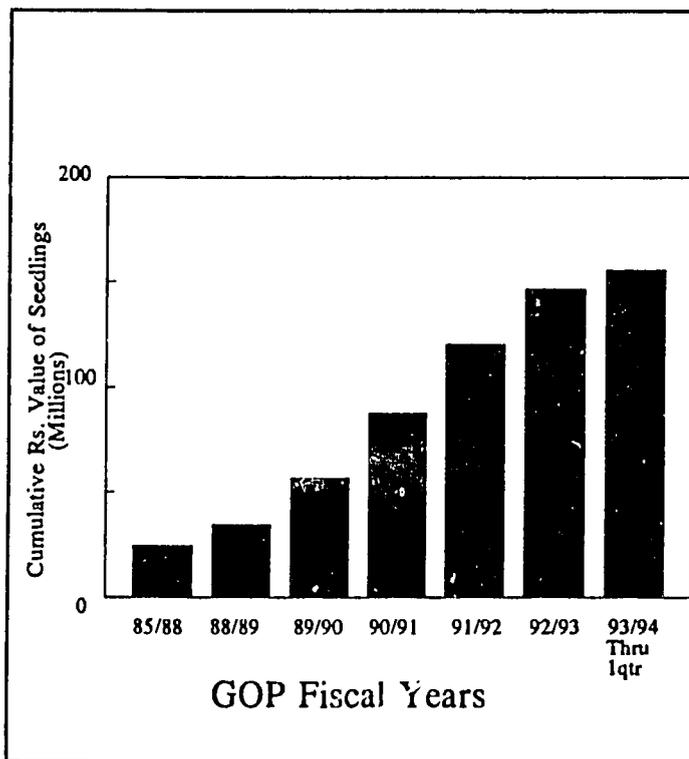


Figure 8. No. of Forest Department Staff Trained



(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. First quarter's accomplishments by geographic location.

Name of Activity	1st Qtr ACHIEVE 1993-94	PUNJAB	SINDH	NWFP	BALUCH	P.F.I./ Federal	Other
1. PLANTING							
No. Farms	6,687	2,767	63	3,732	125		
No. Plants	9,437,801	5,217,556	1,338,245	1,682,000	1,200,000		
2. NURSERY							
No. Units	403	49	155	168	31		
No. Plants	9,142,500	1,952,000	3,989,500	2,581,000	620,000		
3. LAND DEVELOPMENT							
No. Acres	375	100		25	250		
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	11	3	3	2	2	1	
Lg. Term	6	3			2	1	
Tours	0						
Local							
M.Sc	0						
B.Sc	0						
Other	14	10				4	
Tours	0						
B. No. of Farmers							
Tree Planting	3,307	2,812	155		340		
Nursery Tech.	450	250	132	6	62		
Land Development	4	1		1	2		
Soil Conserv.	0						
Mgmt/Mkt	30	30					
Motivators	0						
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				NA	NA	NA

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

Name of Activity	PC-1 Target 1993-94	Achieve. Thru 1qtr	PUNJAB	SINDH	KWFP	BALUCH	P.F.I./ Federal/	Other
1. PLANTING								
No. Farms	12,400	6,687	2767	63	3732	125	NA	NA
No. Plants	24,388,607	9,437,801	5217556	1338245	1682000	1200000	NA	NA
2. NURSERY								
No. Units	282	403	49	155	168	31	0	0
No. Plants	21,150,000	9,142,500	1952000	3989500	2581000	620000	0	0
3. LAND DEVELOPMENT								
No. Acres	15,684	375	100	0	25	250	NA	NA
4. SOIL CONSERVATION								
No. Acres	1,200	0	0	0	0	0	NA	NA
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	0
7. TRAINING								
A. No. of Staff								
Overseas								
Sh.Term	17	11	3	3	2	2	1	0
Lg.Term	15	6	3	0	0	2	1	0
Tours	25	0	0	0	0	0	0	0
Local								
M.Sc	20	0	0	0	0	0	0	0
B.Sc	33	0	0	0	0	0	0	0
Other	44	14	10	0	0	0	4	0
Tours	25	0	0	0	0	0	0	0
B. No. of Farmers								
Tree Planting	3,632	3,307	2812	155	0	340	0	0
Nursery Tech.	280	450	250	132	6	62	0	0
Land Development	150	4	1	0	1	2	0	0
Soil Conserv.	120	0	0	0	0	0	0	0
Mgmt/Mkt	500	30	30	0	0	0	0	0
Motivators	50	0	0	0	0	0	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
1. PLANTING							
No. Farms	12400	6687				6687	53.9%
No. Plants	24388607	9437801				9437801	38.7%
2. NURSERY							
No. Units	282	403				403	142.9%
No. Plants	21150000	9142500				9142500	43.2%
3. LAND DEVELOPMENT							
No. Acres	15684	375				375	2.4%
4. SOIL CONSERVATION							
No. Acres	1200	0				0	0.0%
5. SINDH IRR. PLANTATION							
Ac. Afforested	1414	0				0	0.0%
Ac. Rehabilitated	1385	0				0	0.0%
6. RESEARCH							
No. New Projects	1	0				0	0.0%
7. TRAINING							
A. No. of Staff Overseas							
Sh.Term	17	11				11	64.7%
Lg.Term	15	6				6	40.0%
Tours	25	0				0	0.0%
Local							
M.Sc	20	0				0	0.0%
B.Sc.	33	0				0	0.0%
Other	44	14				14	31.8%
Tours	25	0				0	0.0%
B. No. of Farmers							
Tree Planting	3632	3307				3307	91.1%
Nursery Tech.	280	450				450	160.7%
Land Development	150	4				4	2.7%
Soil Conserv.	120	0				0	0.0%
Mgmt/Mkt	500	30				30	6.0%
Motivators	50	0				0	0.0%
Tours	90	0				0	0.0%
8. BUILDINGS							
No. Offices	3	0				0	0.0%
No. Nursery Huts	3	0				0	0.0%
No. Res/Train Labs	Nil						
No. Hostels	2	0				0	0.0%
No. Residences	16	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	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	6,687	137,440	130
No. Plants	133,725,000	5,727,791	7,658,221	12,962,302	24,991,741	33,044,501	24,951,837	9,437,801	118,774,194	89
2. NURSERY										
No. Units	1,783	252	299	789	1,377	916	1,030	403	5,066	284
No. Plants	133,725,000	16,615,437	10,039,210	22,181,830	30,920,600	32,694,660	26,245,750	9,142,500	147,839,987	111
3. LAND DEVELOPMENT										
No. Acres	99,284	3,804	813	2,715	5,538	1,400	1,988	375	16,633	17
4. SOIL CONSERVATION										
No. Acres	7,600	85	35	405	2,035	310	293		3,163	42
5. SINDH IRR. PLANT.										
Mi. Canal Const	2			1	1				2	100
Ac. Afforested	5,400				337	1,220	2,429		3,986	74
Ac. Rehabil.	1,818			152	217	64			433	24
6. RESEARCH										
No. New Projects	50	17	13	1	7	6	5		49	98
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term	117	18	28	10	23	7	14	11	111	95
Lg.Term	43	2	1	3	2	3	3	6	20	47
Tours	50	12	8	2	1		2		25	50
Local										
M.Sc	52			3	19	1	20		43	83
B.Sc.	76			8	20	1	19		48	63
Other	280	147	63	65	204	164	207	14	864	309
Tours	170	1	8	54	65	63	23		214	126
B. No. of Farmers										
Tree Planting	23,000	5,906	5,978	9,676	36,806	26,835	17,314	3,307	105,822	460
Nursery Tech.	1,780			289	215	598	969	450	2,521	142
Land Dev.	990			25	55	99	414	4	597	60
Soil Conserv.	760			92	11	4	43		150	20
Mgmt/Mkt	2,500				629	589	156	30	1,404	56
Motivators	600	11	231	23	35	63	25		388	65
Tours	570	27	158	294	223	313	123		1,138	200
8. BUILDINGS **										
No. Offices	41 (27)			2	17	3	2		24	89
No. Nursery Hut	34 (20)			3	9	7	2		17	85
No. Res/Train L	4 (1)	NA	NA	NA	NA	NA	NA		0	0
No. Hostels	3 (4)				1		1		2	50
No. Residences	90 (0)		1	5	5	12	4		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	1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms	112	761	2952	4320	6974	27704	11836	9418	2767	66,844
No. Plants	54554	755327	1790773	3974403	6476904	14850127	15300207	15447037	5217556	63,866,888
2. NURSERY										
No. Units	8	49	100	209	566	992	566	298	49	2,838
No. Plants	886500	2122500	4074624	5500580	16759830	17328900	13023560	8923600	195,000	70,572,094
3. LAND DEVELOPMENT										
No. Acres		2	2952		2067	3458	627	1768	100	10,974
4. SOIL CONSERVATION										
No. Acres		50			399	1491	310	62		2,312
5. SINDH IRR. PLANT.										
Mi. Canal Const	NA									
Ac. Afforested	NA									
Ac. Rehabil.	NA									
6. RESEARCH										
On-Go Res/Demo io. Completed					1	2	1			0 4
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term		3	3	6	3	6	2	4	3	30
Lg.Term					1			1	3	5
Tours		1	2	1		1		1		6
Local										
M.Sc						9		13		22
B.Sc.						10		11		21
Other	18	21	20	25	32	79	37	39	10	281
Tours				4	20	22	8	19		73
B. No. of Farmers										
Tree Planting	112	802	3048	4529	7689	28696	20176	15019	2812	82,883
Nursery Tech.					239	69	57	258	250	873
Land Dev.							7	321	1	329
Soil Conserv.						85	4	31		120
Mgmt/Mkt							609	496	120	1,255
Motivators				195					30	195
Tours				68		54	78			200
8. BUILDINGS										
No. Offices						1				16
No. Nursery Hut						3	12	2	NA	11
No. Residences				1		6	1	2	NA	15
No. Hostels					3	2	8	1		15
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	1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms	NA	NA	NA	NA	NA	NA		48	63	111
No. Plants	NA	NA	NA	NA	NA	NA		1103800	1338245	2,442,045
2. NURSERY										
No. Units	NA	NA	NA	NA	NA	NA	4	137	155	296
No. Plants	NA	NA	NA	NA	NA	NA	180000	3002150	3989500	7,171,650
3. LAND DEVELOPMENT										
No. Acres	NA	NA	NA	NA	NA	NA				0
4. SOIL CONSERVATION										
No. Acres	NA	NA	NA	NA	NA	NA				0
5. SINDH IRR. PLANT.										
Mi. Canal Const					1	1	NA	NA	NA	2
Ac. Afforested						337	1220	2429		3,986
Ac. Rehabil.					152	217	64			433
6. RESEARCH										
On-Go Res/Demo	NA									
No. Completed	NA									
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term		2	3	6	1	3			3	18
Lg.Term			1							3
Tours				1			2			1
Local										
M.Sc.					1	3		3		7
B.Sc.					2	3		2		7
Other			2	1	2	22	15	9		51
Tours					5	3	13			21
B. No. of Farmers										
Tree Planting	NA	NA	NA	NA	NA	NA	2737	300	155	3,192
Nursery Tech.	NA	NA	NA	NA	NA	NA		139	132	271
Land Dev.	NA	NA	NA	NA	NA	NA				0
Soil Conserv.	NA	NA	NA	NA	NA	NA				0
Mgmt/Mkt	NA	NA	NA	NA	NA	NA	79	25		104
Motivators	NA	NA	NA	NA	NA	NA				0
Tours	NA	NA	NA	NA	NA	NA	79			79
8. BUILDINGS										
No. Offices	NA	NA	NA	NA	NA	NA				0
No. Nursery Hut	NA	NA	NA	NA	NA	NA				0
No. Residences	NA	NA	NA	NA	NA	NA				0
No. Hostels	NA	NA	NA	NA	NA	NA	4			4
No. Res/Train L	NA	NA	NA	NA	NA	NA		NA	NA	NA
										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	1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms		1400	4625	2878	13030	20307	10673	6827	3732	63,472
No. Plants		670892	1834565	3226000	4492000	8001800	6917100	4556000	1682000	31,380,357
2. NURSERY										
No. Units	10	16	46	81	148	171	48	155	168	843
No. Plants	400000	2061468	5375345	4144000	3297000	10409700	10111900	4912000	2581000	43,292,413
3. LAND DEVELOPMENT										
No. Acres			850	813	175	1680		96	25	3,639
4. SOIL CONSERVATION										
No. Acres			35	35	6	544		66		686
5. SINDH IRR. PLANT.										
Mi. Canal Const	NA									
Ac. Afforested	NA									
Ac. Rehabil.	NA									
6. RESEARCH										
On-Go Res/Demo	NA									
No. Completed	NA									
7. TRAINING										
A. No. of Staff Overseas										
Sh.Term		1		7		5	1	4	2	20
Lg.Term			1			2				3
Tours		2	2	1						5
Local										
M.Sc					1	4	1	3		9
B.Sc.					4	5		5		14
Other	15	14	11	16	14	31	15	26		142
Tours					15		12			27
B. No. of Farmers										
Tree Planting		200	1220	791	1987	7843	1251	122		13,414
Nursery Tech.					18	146	67	22	6	259
Land Dev.					25	55		2	1	83
Soil Conserv.					7	11		2		20
Mgmt/Mkt						20	6	10		36
Motivators			11	36	23	24	18	6		118
Tours			27	80	47	162	122	13		451
8. BUILDINGS										
No. Offices					1	3			NA	4
No. Nursery Hut						2	1		NA	3
No. Residences					1	2		3		6
No. Hostels										0
No. Res/Train L	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	1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms			573	715	1016	654	2180	1750	125	7,013
No. Plants			621680	457818	1993398	2139814	10827194	3845000	1200000	21,084,904
2. NURSERY										
No. Units		14	6	8	74	213	295	435	31	1,076
No. Plants		1000000	394000	300000	1940000	3000000	9284000	8700000	620000	25,238,000
3. LAND DEVELOPMENT										
No. Acres					473	400	773	124	250	2,020
4. SOIL CONSERVATION										
No. Acres								165		165
5. SINDH IRR. PLANT.										
Mi. Canal Const	NA									
Ac. Afforested	NA									
Ac. Rehabil.	NA									
6. RESEARCH										
On-Go Res/Demo	NA									
No. Completed	NA									
7. TRAINING										
A. No. of Staff										
Overseas										
Sh.Term		1		1	3	1	1	1	2	10
Lg.Term										
Tours		1	2		1		1	1	2	4
Local										
M.Sc					1	3		1		5
B.Sc.					2	2	1	1		6
Other		4	7	8	2	10	18	2		51
Tours				1	5	2	8			16
B. No. of Farmers										
Tree Planting			524	658		267	2671	1873	340	6,333
Nursery Tech.					32		474	550	62	1,118
Land Dev.							92	91	2	185
Soil Conserv.								10		10
Mgmt/Mkt										0
Motivators										
Tours					18	11	45	19		75
Tours						7	6	110		141
8. BUILDINGS										
No. Offices							2		NA	4
No. Nursery Hut							1		NA	3
No. Residences					1		2			2
No. Hostels	NA									
No. Res/Train L	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	1993/94 Achieved	1985-94 Achieved
1. PLANTING										
No. Farms	NA									
No. Plants	NA									
2. NURSERY										
No. Units	1	1	1	1	1	1	3	4		13
No. Plants	102000	63000	136000	94630	185000	182000	95200	708000		1,565,830
3. LAND DEVELOPMENT										
No. Acres	NA									
4. SOIL CONSERVATION										
No. Acres	NA									
5. SINDH IRR. PLANT.										
Mi. Canal Const	NA									
Ac. Afforested	NA									
Ac. Rehabil.	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	1	33
Lg.Term				1	2			1	1	5
Tours		1	1	5	1			1		9
Local										
M.Sc										0
B.Sc.										0
Other	9	11	15	13	15	62	79	131	4	339
Tours			1	3	9	38	22	4		77
B. No. of Farmers										
Tree Planting										0
Nursery Tech.										0
Land Dev.										0
Soil Conserv.										0
Mgmt/Mkt							8	1		9
Motivators										0
Tours				10	229		28			267
8. BUILDINGS										
No. Offices	NA									
No. Nursery Hut	NA									
No. Residences	NA									
No. Hostels										
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		TOTAL	
	No.	US \$	No.	US \$	No.	US \$	No.	US \$	No.	US \$
COMPLETED GRANTS										
Punjab	1	1,082	2	5,402					3	6,484
Sindh									0	0
Balochistan									0	0
NWFP									0	0
AJK			1	19,916					1	19,916
Islamabad									0	0
Federal					0	0	0	0	4	26,400
Subtotal	1	1,082	3	25,318	0	0	0	0	4	26,400
ON-GOING GRANTS										
Punjab	11	86,000					1	6,700	12	92,700
Sindh	8	37,700			1	28,000	1	13,300	9	51,000
Balochistan							1	36,700	1	28,000
NWFP	2	37,900	1	15,400					4	90,000
AJK	1	7,700							1	7,700
Islamabad	3	24,600	4	63,400	1	12,000			7	88,000
Federal			1	9,100					2	21,100
Subtotal	25	193,900	6	87,900	2	40,000	3	56,700	36	378,500
TOTAL GRANTS										
Punjab	12	87,082	2	5,402			1	6,700	15	99,184
Sindh	8	37,700			1	28,000	1	13,300	9	51,000
Balochistan							1	36,700	1	28,000
NWFP	2	37,900	1	15,400					4	90,000
AJK	1	7,700							1	7,700
Islamabad	3	24,600	5	83,316	1	12,000			8	107,916
Federal			1	9,100					2	21,100
Total	26	194,982	9	113,218	2	40,000	3	56,700	40	404,900

PROGRESS TOWARD PROJECT GOALS AND PURPOSE

This quarter the project begins its ninth Pakistan fiscal year. The success the Project is having on getting farmers to plant trees on their private farm lands has resulted in a significant energy and economic impact on rural Pakistan within the project area. A broad array of Pakistan's wood-using forest industries have begun to view farm forestry as a means of providing a sustainable supply of raw materials for their processing facilities.

Since 1985, nearly 148 million trees have been raised on over 5,000 farm nurseries and these seedlings have been planted on more than 137,400 farms. At maturity (age 7), these trees will provide approximately 8.8 million metric tons of wood for use or sale by farm households. In addition to energy and home constructions use, new industrial markets are developing for the purchase of farm-grown wood that is being produced through this project. The wood produced on farms under this project has a nominal farm gate value of U.S. \$203 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 examining with the federal and provincial governments the feasibility of funding farm forestry projects. The provincial forest department staffs are becoming increasingly comfortable and proficient in their role as technology transfer agents and are now beginning to put increasing emphasis on strengthening wood producer and wood user linkages. The departments are evaluating strategies to institutionalize their farm forestry activities with 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

- An Annual Work Plan for 1993/94 was completed. This work plan covers the period 1 July 1993 to 30 September 1994 at which time the technical assistance contract terminates.

2. National Policy

- The World Bank, in collaboration with the Government of Punjab and the Capital Development Authority (CDA) Islamabad, completed a Project Preparation Mission to develop a proposal to fund forestry sector projects in Punjab and CDA. Emphasis was placed on farm forestry activities.

3. Training

a. Long-Term Overseas Training

- Taj Mohammad, Balochistan Province, completed his M.Sc. degree in forest economics at the University of Idaho on 15 August 1993.
Person-months: 26.0
- Manzoor Ahmad, Balochistan Province, completed his M.Sc. degree in forest management at Mississippi State University on 21 August 1993.
Person-months: 24.0
- Amjad Mahmood Chima, Punjab Province, completed his M.Sc. degree in forestry extension at Auburn University on 8 September 1993.
Person-months: 24.0
- Tariq Mehmood, Punjab Province, completed his M.Sc. degree in forest economics at the University of Missouri on 17 September 1993.
Person-months: 20.0
- Shahid R. Awan, Punjab Province, completed his M.Sc. degree in forestry extension at the University of Missouri on 17 September 1993.
Person-months: 20.0
- Mohammad Tahir Laeeq, Pakistan Forest Institute, completed his M.Sc. degree in silviculture at Mississippi State University on 30 September 1993.
Person-months: 25.0
- Eight officers now are progressing towards M.Sc. degrees and two officers are progressing towards Ph.D. degrees in U.S. institutions.

b. Long-Term In-Country Training

- Forest Guard and Forester curricula have been prepared and approved. These curricula, are being used to guide the development of Urdu teaching materials for the Forest Schools in Pakistan.

- 69 individuals (52 men and 17 women) are continuing their 2-year B.Sc. degree programs in Farm Forestry at PFI, Peshawar on project provided fellowships.
 - 44 individuals (35 men and 9 women) are continuing their 2-year M.Sc. degree programs in Farm Forestry at PFI, Peshawar on project provided fellowships.
- c. Short-Term Overseas Training
- 1 officer completed a 6-week OICD course on Project Planning and Analysis for Agricultural and Rural Development.
Person-months: 1.5
 - 4 officers completed a 1-month course on Sustainable Natural Resource Development and Environmental Protection at the University of Tennessee.
Person-months: 4.0
 - 1 officer completed a 6-week OICD course on Management of Agricultural Research.
Person-months: 1.5
 - 1 officer completed a 6-week OICD course on Sustainable Development of Dryland Regions: Planning and Management.
Person-months: 1.5
 - 2 officers completed an 8-week OICD course on Development and Operation of Agricultural Extension Programs.
Person-months: 4.0
 - 2 officers completed an 5-week OICD course on Farming Systems Approach to Research and Extension for Small Farms.
Person-months: 2.0
 - 1 officer is currently attending a 6-week OICD course on Basic Agricultural Survey Statistics and Methods.
- d. In-Country Technical Training
- Collaborated with the Punjab Forest Department to organize and conduct a 6-day training course in planting, management, harvesting and marketing techniques at Punjab Forest Research Institute, Gatwala for 10 SDFO and RFO officers.
Person-months: 2.7

- Organized and conducted a half-day review session in the use of Window's software for 4 scientists at the Pakistan Forest Institute, Peshawar.
Person-months: 0.1
- e. In-Country Farm Forestry Training
 - Organized and conducted half-day workshops for 3,307 farmers involved in tree planting activities in Punjab, Sindh and Balochistan.
Person-months: 75.2
 - Organized and conducted one-day workshops for 450 farmers involved in managing farm nurseries in Punjab, NWFP, Sindh and Balochistan.
Person-months: 20.4
 - Organized and conducted one-day workshops for 4 farmers involved in land development and soil conservation activities in Punjab, Balochistan and NWFP.
Person-months: 0.2
 - Organized and conducted a half-day workshop for 30 farmers on the sale of Eucalyptus from farm woodlots in Attock, Punjab.
Person-months: 0.7

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.

- Provided technical guidance and background information to the World Bank forestry sector project preparation mission.
- Made direct payments under PIL No. 63 to 168 farmers in Punjab Province for tree seedlings they had successfully raised in their kissan nurseries.
- Prepared a report for the Ministry of Food, Agriculture and Cooperatives on the technical possibilities of planting trees on saline lands and on vacant spaces along canals, roads, and railway tracts.
- Prepared the draft of a report on Pakistan for the World Bank's Regional Seminar on Forestry Management for Sustainable Development in Sri Lanka.

- Presented lectures on "People, Trees and Environment" to 70 students at the Progressive International Public School in Islamabad, to 300 students at the Government College for Women in Gujranwala, and to 400 students at the Government College for Women in Sialkot.
- Provided technical information to Enterprise & Development Consulting (Pvt.) Ltd. staff on women in forestry activities under the Project.
- Occasional Paper 15 was published by FAO's FORSPA project on "Extending Research Results - How?"
- Conducted thesis examinations for 22 M.Sc. students at Pakistan Forest Institute, Peshawar.
- Presented a poster session and participated in the 14th Commonwealth Forestry Conference from September 13-18 in Kuala Lumpur, Malaysia.
- Made preparations for Gary G. Naughton's 5-week consultancy beginning in October on Wood User - Wood Producer market linkages.

5. Research Management

- Prepared for the annual research program review to be held in October.

B. OPERATIONAL ACTIVITIES

1. Barani/Irrigated Plantations - Balochistan, NWFP, Punjab and Sindh
 - a. Nursery Development
 - 403 farm forestry nurseries in Punjab, Sindh, Balochistan and NWFP were raising tree seedlings for distribution to farmers.
 - b. Tree Planting
 - 9.4 million tree seedlings were planted by farmers in Punjab, Balochistan, Sindh and NWFP.
 - c. Extension/Outreach/Recognition
 - 3,791 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, Sindh and NWFP.

- d. Land Development and Soil Conservation
 - 375 acres of land development and soil conservation works were completed in the Punjab, Balochistan and NWFP.
- e. Monitoring and Evaluation
 - Procurement of GIS equipment is in progress. Planning required to create a GIS capability at PFI has begun.
- 2. Irrigated Plantations - Sindh
 - No afforestation works were completed this quarter.
- 3. Irrigated Plantations - Punjab
 - Collected pilot planning level field data to develop a linear program based harvest schedule for Changa Manga plantation.
- 4. NGO Activities
 - Awarded and completed grants to NGOs by the FP&D Grant Unit during this quarter are shown in Attachment D.
 - Two 1-day workshops were organized and conducted for teachers and students associated with NGOs in District Sheikupura, Punjab.
 - Article on "NGOs and Forestry" was published in the Forestry Extension Network Newsletter, Jungle.
- 5. Special Studies
 - o Use/Marketing/Economics of Farm Forestry Products
 - A survey of private wood depots in Punjab province was undertaken.
 - Article on "How Marketing Can Help" was published in the Forestry Extension Network Newsletter, Jungle.
 - o Farm Forestry Field Guides
 - Tree Farmers Guide No. 9: Farm Trees - Neem. English and Urdu documents were prepared, printed and distributed.

- Foresters Field Guide No. 4: Expected Returns from Farm Grown Trees.
Urdu document was prepared, printed and distributed.
- o Degree Training Teaching Materials
 - "Fundamentals of Photointerpretation and Photogrammetry" by Abeed Ullah Jan.
Published and distributed.
 - "Trees of Pakistan" by M.I. Sheikh.
Published and distributed.
 - In Press
"Forest Policy, Administration and Management in Pakistan" by Abeed Ullah Jan.

6. Research

- Completed Research Report No. 5: A Study of Farm Nurseries in Punjab and NWFP.
- 32 research projects, studies and demonstrations are currently on-going.

C. CONSTRUCTION

1. Provincial Office Facilities

- Construction contractor has been selected for the 1 DFO and 2 RFO Offices, and 3 nursery huts in Sindh.

2. Provincial Research and Training Facilities

- Construction contractor has been selected for the research and training units at Hyderabad.

3. Hostel Facilities

- Construction of the hostel at Abbottabad is 20 percent complete.
- Construction has begun on the hostel at Ghora Gali.

PROJECT IMPLEMENTATION ISSUES

A. ACTION ON THIS QUARTER'S ISSUES

Scheduling Nursery Contracts and Establishing Seedling Prices
The Project Monthly Review Committee agreed that the O/IGF and provincial Project Directors would monitor

fiscal management actions which could lead to having nursery contracts in excess of appropriated (released) funds. The contracted price of seedlings was set at Rs. 0.75 and the nursery operator is expected to directly collect Rs. 0.5 from the individual receiving the seedlings. During the winter planting season provincial Project Directors, O/IGF and TAT will attempt to assess whether or not the reduced seedling contract price is adversely impacting the project.

World Bank Forestry Project Appraisal Mission

During the period June/September the World Bank supported a Punjab and Capital Development Authority Forestry Sector Project Preparation Mission in Pakistan. The Forestry Planning and Development Project collaborated, as appropriate, with the preparation mission during its assignment. The project activities which were prepared are scheduled for pre-appraisal by the World Bank in November 1993.

B. NEXT QUARTER'S ISSUES

Monitoring Nursery Contracts and Seedling Price Impacts

Because of the continuing possibility of mid-year budget reductions, the O/IGF and USAID decided it would be appropriate to implement procedures which would minimize having nursery contracts in excess of appropriated (released) funds. Since this issue is directly related to the contracted price of seedlings, the forest department contracted price for seedlings was reduced to Rs. 0.75. During the next 12-months there is a need to closely monitor the project to assess whether or not these actions are adversely impacting the project.

ACTION: The O/IGF and provincial forest departments, in collaboration with the TAT, will closely monitor the number of seedling contracts with respect to budget allocations, and seedling pricing policies during the next 6-months. Problems will immediately be brought to the attention of the Project Monthly Review Committee.

World Bank Forestry Project Pre-Appraisal Mission

Since the Forestry Planning and Development Project will terminate in December 1994, importance has been placed on identifying mechanisms which might provide the Government of Pakistan development assistance to continue social forestry activities at or above their current level. A World Bank Forestry Sector Project has been prepared and project activities are scheduled for pre-appraisal by the World Bank in November 1993.

ACTION: The O/IGF, USAID and TAT will facilitate, as appropriate, the World Bank's mission to pre-appraise the

forestry project for the Punjab Province and the Capital Development Authority.

PROPOSED PROJECT ACTIVITIES FOR NEXT QUARTER

A. INSTITUTIONAL AND MANPOWER DEVELOPMENT

1. Project Reporting and Coordination

- Approve annual work plans.

2. National and Provincial Policy

- 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

- Participate in the International Workshop on the Marketing of Multipurpose Tree Products to be held in the Philippines.
- Nominees complete their participation in overseas workshops.
- Participants for overseas workshops are nominated, approved and scheduled for training programs.

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.

5. Research Management

- Follow-up associated with the fall Research Review Committee meeting.

B. OPERATIONAL ACTIVITIES

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

a. Nursery Development

- Farm nurseries begin distribution of seedlings for the winter 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 consultancy report which identified equipment, facility and staff requirements for the establishment of a GIS capability within the O/IGF at PFI.

2. Irrigated Plantations - Sindh

- Continue rehabilitation and reforestation activities.

3. Irrigated Plantations - Punjab

- Continue to develop a linear program based 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.
- Gary Naughton undertakes his consultancy on wood user - wood producer market linkages.

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 two farm forestry species.

o Degree Training Teaching Materials

Publish "Forest Policy, Administration and Management in Pakistan" by Abeed Ullah Jan.

6. Research

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

C. CONSTRUCTION

1. Provincial Office Facilities

- Construction initiated on offices and nursery huts in Sindh.

2. Provincial Research and Training Facilities

- Construction initiated 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>4-Year Budget Amount</u>	<u>30 Sep 93 Cumulative Expended</u>	<u>Percent Expended</u>
1. Salaries and Wages	\$1,248,070	\$1,050,024.78	84.13
2. Fringe Benefits	296,926	245,796.26	82.78
3. Overhead	723,687	609,903.49	84.28
4. Travel, Transportation & Per Diem	645,487	492,920.50	76.36
5. Allowances	327,378	293,187.06	89.56
6. Other Direct Costs	744,826	529,679.43	71.11
7. Local Training	244,850	199,353.06	81.42
8. Commodities	418,475	400,242.03	95.64
9. Subcontracts	78,271	78,271.00	100.00
Total Expended	\$4,727,970	\$3,899,376.61	82.47

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

<u>Line Item</u>	<u>Budgeted Amount</u>	<u>30 Sep 93 Cumulative Expended</u>	<u>Percent Expended</u>
<u>USAID</u>			
Technical Assistance	\$ 8,200,000	\$ 7,279,663	88.78
Training	3,360,000	2,487,042	74.02
Commodities	2,738,000	2,472,712	90.31
Other Costs	12,852,000	11,280,629	87.77
Evaluation	350,000	172,026	49.15
Total Reimbursable	\$27,500,000	\$23,692,072	86.15
<u>GOP</u>			
Non-Reimbursable	Rs. 178,000,000	Rs. 97,175,421	54.59

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

PUBLISHED ARTICLES

- Tahir W. Malik. 1993. NGOs and forestry. Forestry Extension Network Newsletter, Jungle 1(2).
- Tahir W. Malik. 1993. How marketing can help. Forestry Extension Network Newsletter, Jungle 1(2).
- M.I. Sheikh. 1993. Extending research results - How? GCP/RAS/134/ASB. Occasional Paper 15. Forestry Research Support Programme for Asia and the Pacific (FORSPA), Bangkok, 17 p.

BOOKS

- Abeedullah Jan. 1993. Fundamentals of Photointerpretation and Photogrammetry. Pictorial Printers (Pvt) Ltd., Islamabad, Pakistan. 103 p.
- M.I. Sheikh. 1993. Trees of Pakistan. Pictorial Printers (Pvt) Ltd., Islamabad, Pakistan. 142 p.

TREE FARMERS GUIDES

- M.I. Sheikh. 1993. Farm Trees - Neem. Tree Farmers Guide No. 9, (English) Forestry Planning and Development Project, 2 p.
- M.I. Sheikh. 1993. Farm Trees - Neem. Tree Farmers Guide No. 9, (Urdu) Forestry Planning and Development Project, 4 p.

FORESTERS FIELD GUIDES

- M.I. Sheikh and Charles R. Hatch. 1993. Expected Returns from Farm Grown Trees. Foresters Field Guide No. 4, (Urdu) Forestry Planning and Development Project, 4 p.

RESEARCH REPORTS

- Raja Muhammad Omer, Shaukat Ali Khan, and Charles R. Hatch. 1993. A Study of Farm Nurseries in Punjab and NWFP. Research Report No. 5. Forestry Planning and Development Project, 26 p.

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

AWARDED

34-Pakistan Library Association NWFP	Institutional Capacity	\$36,700
35-Community Development Council Punjab	Seedling Production	\$11,800
36-Orangi Pilot Project Sindh	Seedling Production	\$1,000
37-Margallah Hills Society Islamabad	Environmental Awareness	\$10,800
38-Habitat Integrated Punjab	Institutional Capacity	\$6,700
39-Orangi Pilot Project Sindh	Seedling Production	\$1,000
40-Ratanabad Rural Development Centre and ENABLE Int'l Sindh	Institutional Capacity	\$13,300

COMPLETED

15-Fountain House Lahore Punjab	Seedling Production	\$1,082
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