

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

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

QUARTERLY PROGRESS REPORT

1 July - 30 September, 1992

**ISLAMABAD, PAKISTAN
October 29, 1992**



FORESTRY PLANNING & DEVELOPMENT PROJECT

Government of Pakistan-USAID

29 October 1992

TO: Kh. Hameedullah
Project Officer

FROM: Charles R. Hatch
Chief of Party

SUB: Quarterly Report for Period 1 July - 30 September, 1992

Attached is the Quarterly Report for the first quarter of Pakistan FY 92/93 covering the period 1 July - 30 September, 1992. Graphs and tables in this report also summarize FY 92/93 achievements as well as life of project achievements.

Distribution:

Contract Office	3
Project Office	4
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WI/HQ	2

 **Winrock International**

Technical Assistance Team

58, Margalla Road, F-7/2, Islamabad, Pakistan. Tel : 813262 -- 813272 Tlx : 54252 WIFPD PK Fax : 824519

**FORESTRY PLANNING & DEVELOPMENT PROJECT
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QUARTERLY PROGRESS REPORT

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

Prepared by

Charles R. Hatch & Nasrullah Khan Aziz
Chief of Party DIGF

For the 1st Quarter of Fiscal Year 1992/93

1 July - 30 September 1992

SUMMARY

The following charts give a visual summary of project activities for the 1st quarter and cumulative for Pakistan fiscal year 1992/93, 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 that have been planted on farms.
- Figure 3. The number of private farm nurseries.
- Figure 4. The number of seedlings raised in farm nurseries.
- Figure 5. The number of acres treated under soil conservation and land development activities.
- Figure 6. The number of farmers trained in farm forestry activities.
- Figure 7. The number of forest department staff trained.
- Figure 8. Project purpose level economic indicators.

The following tables give a tabular summary of project activities for the 1st quarter and cumulative for Pakistan fiscal year 1992-1993, and cumulative for life of project. Included in the tabular summary is:

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

Table 2. The 1992/93 fiscal year project targets and accomplishments by geographic location.

Table 3. The 1992/93 fiscal year project targets and accomplishments by quarter.

Table 4. The life of project targets and accomplishments by fiscal year.

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 1992/93.

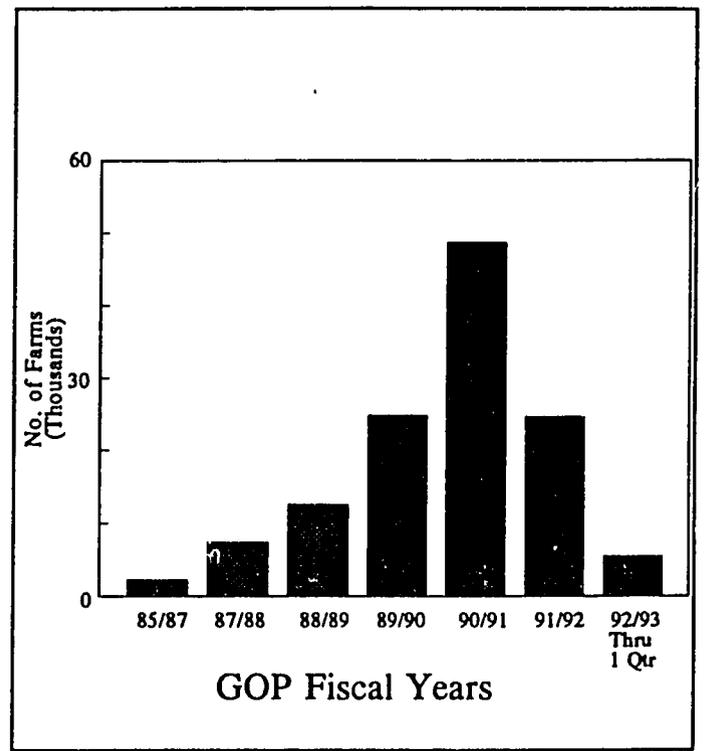
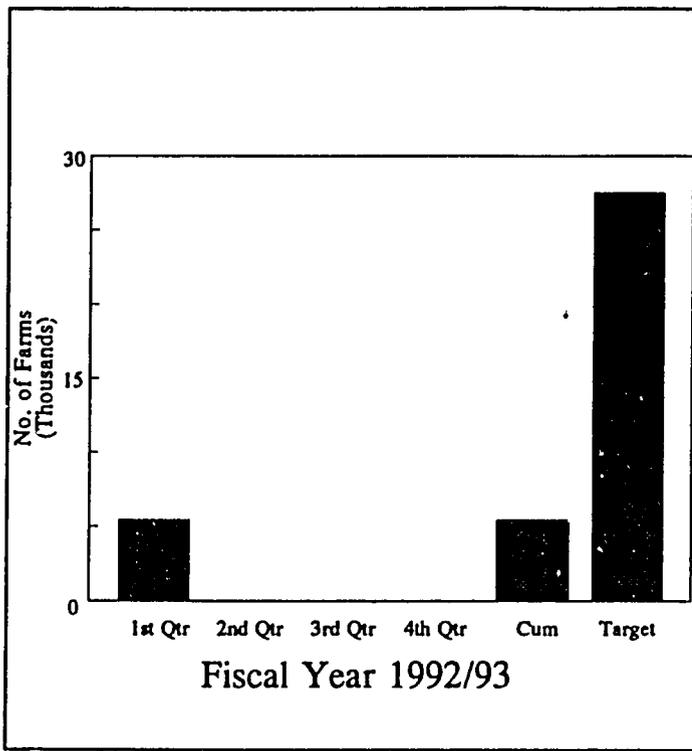


Figure 1. No. of Farm Households Participating in Farm Forestry

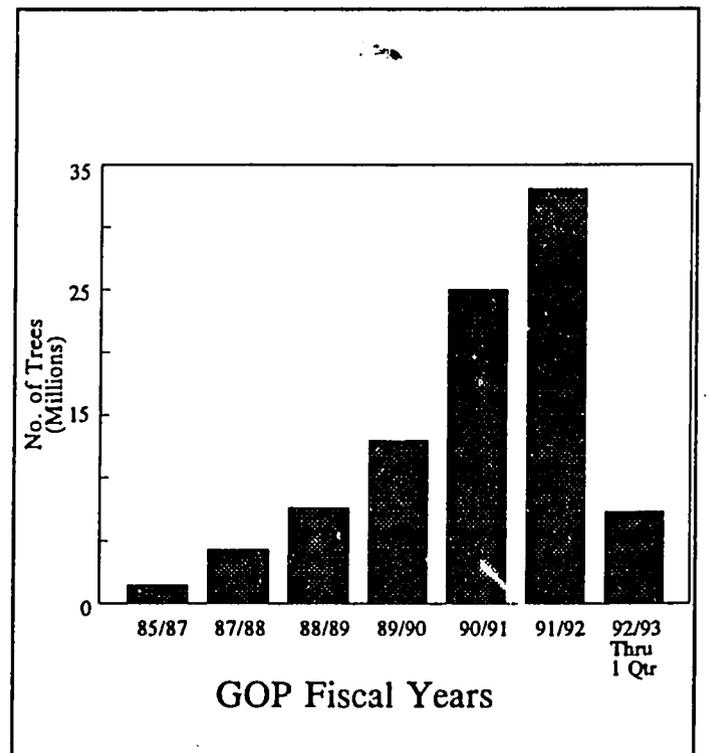
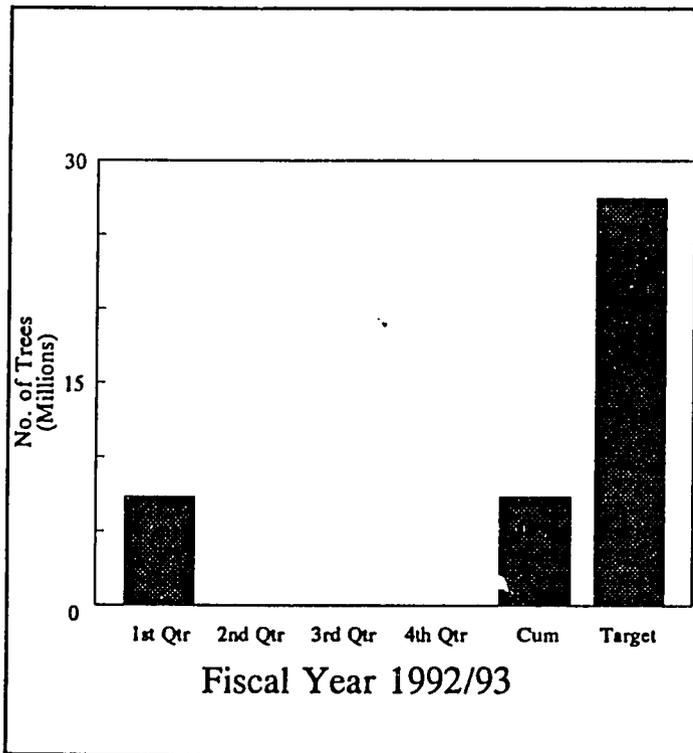


Figure 2. No. of Trees Planted on Farms

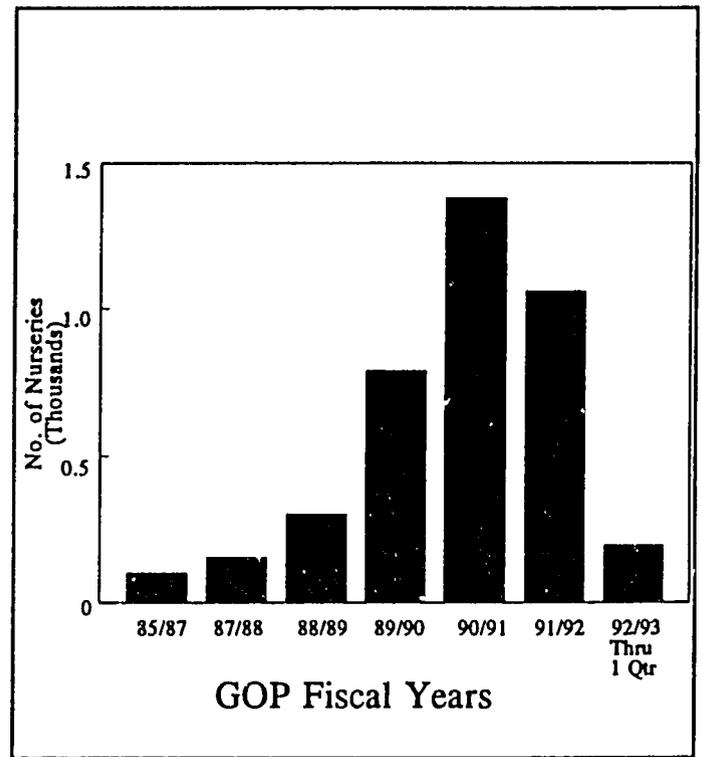
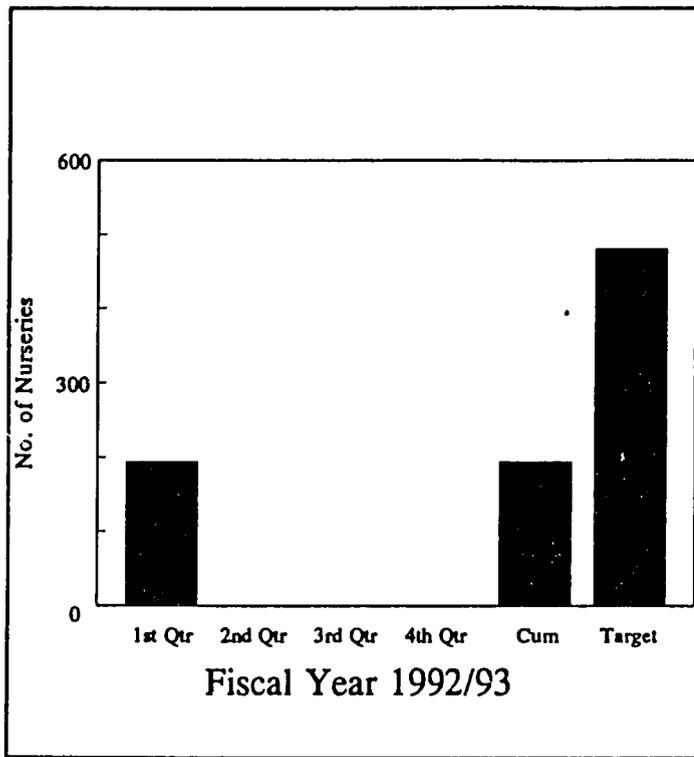


Figure 3. No. of Farm Nurseries

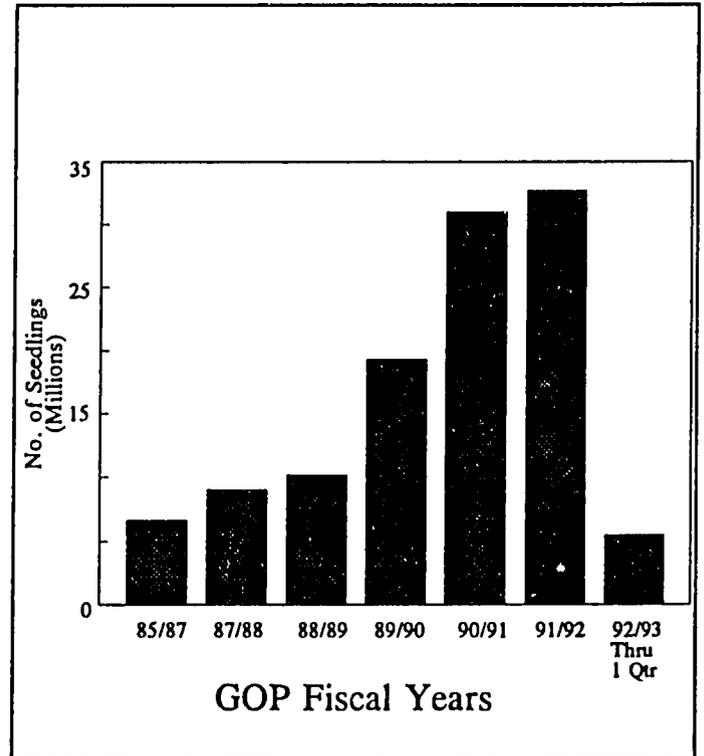
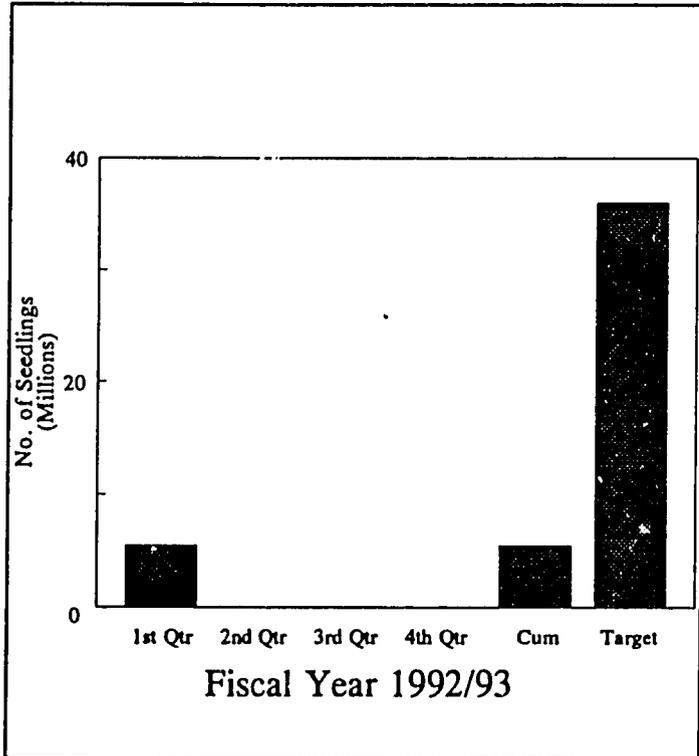


Figure 4. No. of Seedlings Raised in Farm Nurseries

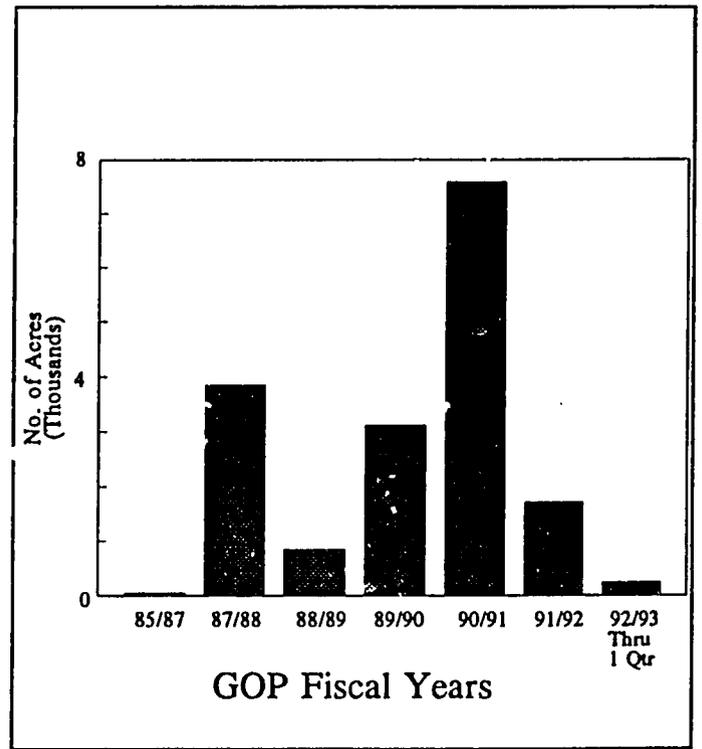
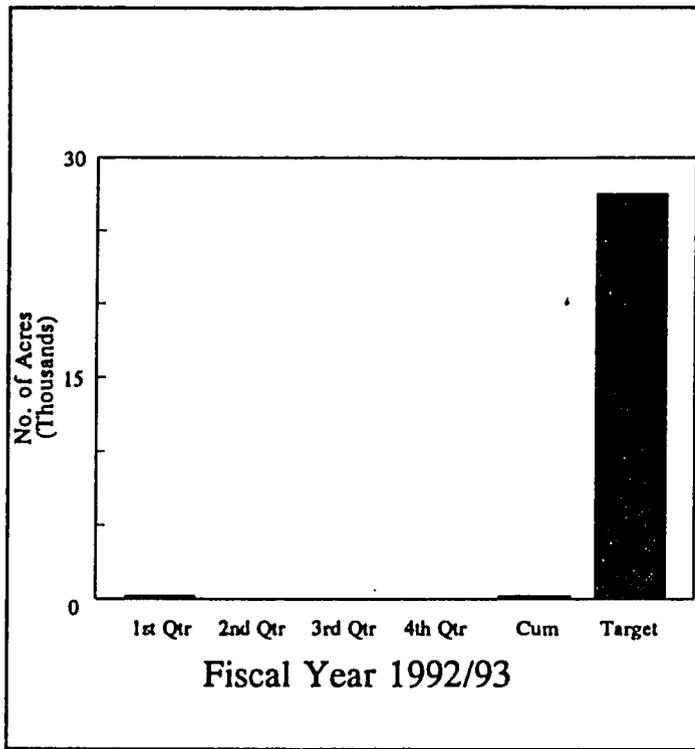


Figure 5. No. of Acres Treated under Soil Conservation and Land Development Activities

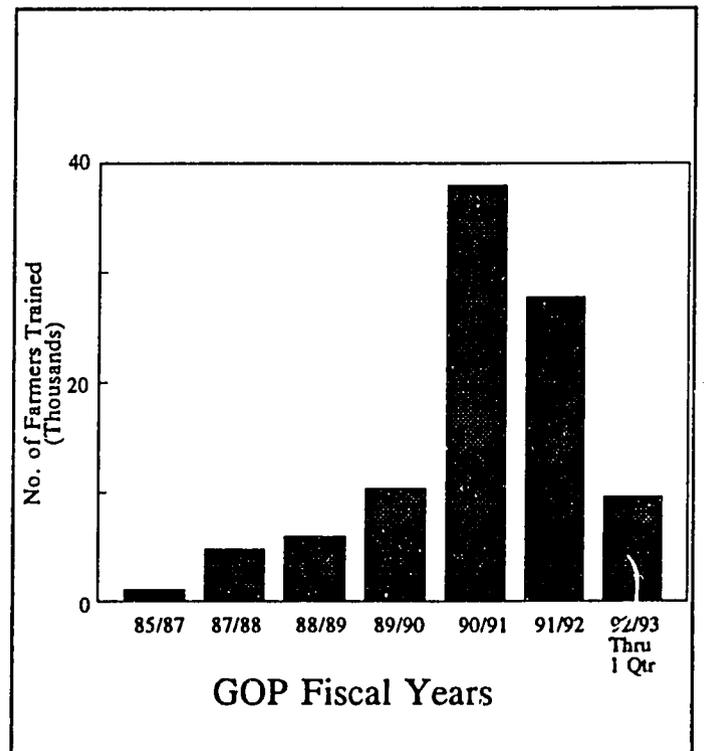
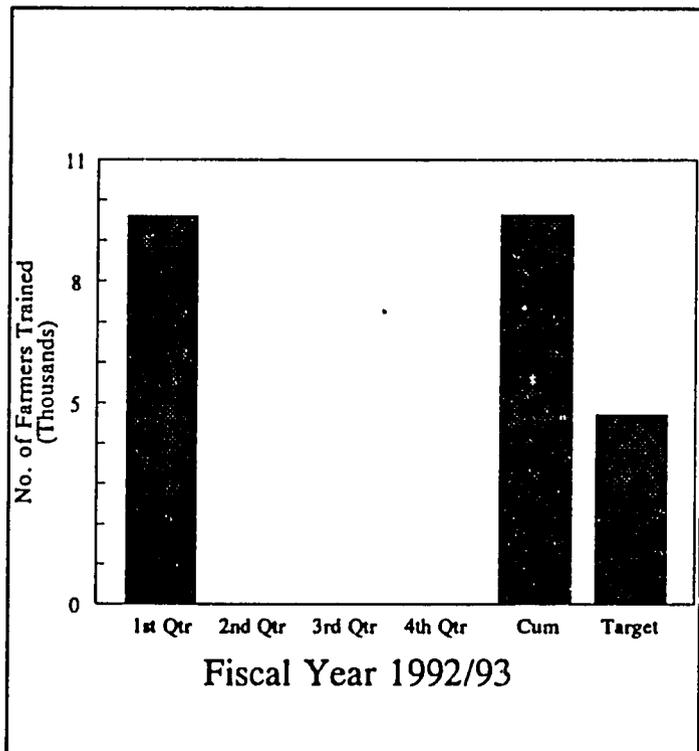


Figure 6. No. of Farmers Trained in Farm Forestry Activities

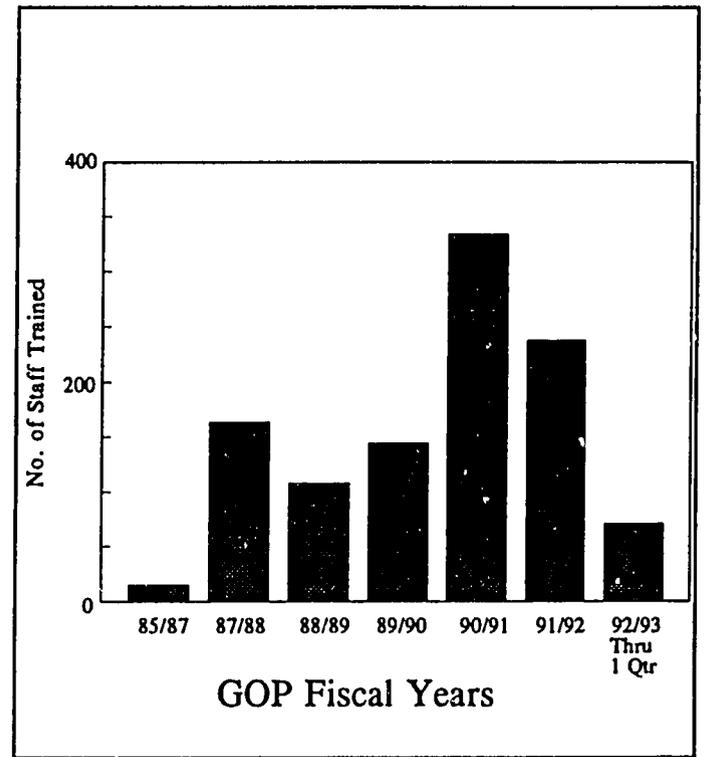
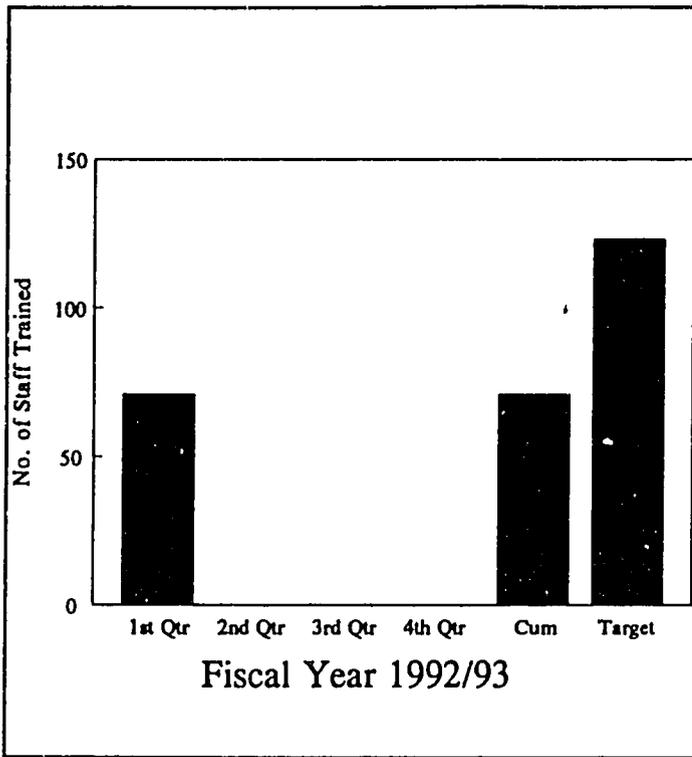
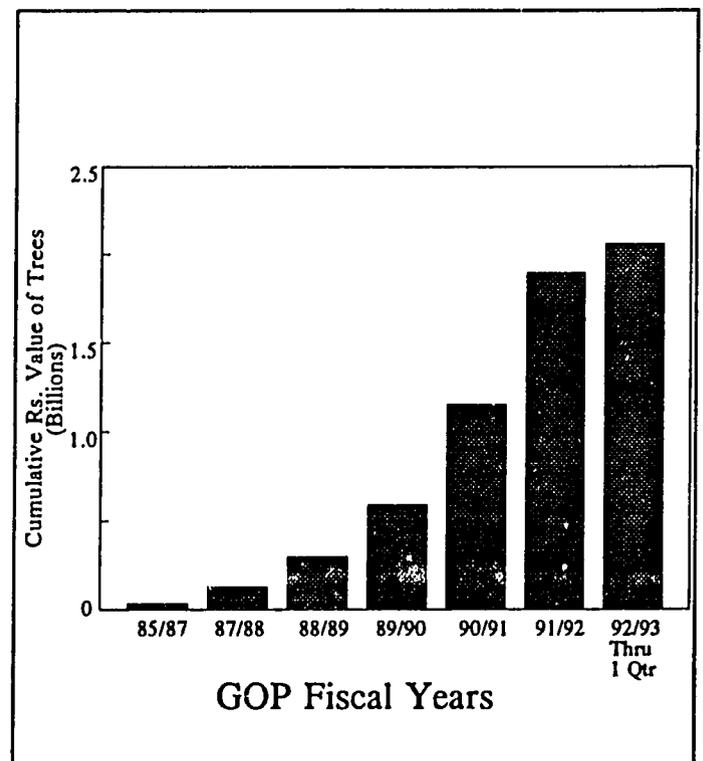
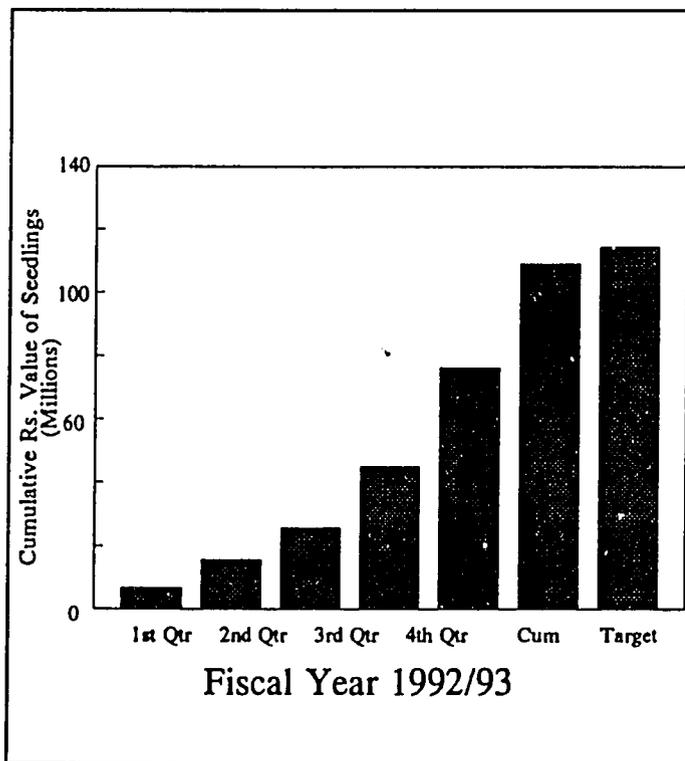


Figure 7. No. of Forest Department Staff Trained



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

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

Figure 8. Project Purpose Level Economic Indicators

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

Name of Activity	1st Qtr ACHIEVE 1992-93	PUNJAB	SINDH	NWFP	BALUCH	P.F.I./ Federal	Other
1. PLANTING							
No. Farms	5,423	3,770	18	1,635			
No. Plants	7,341,595	6,012,595	293,000	1,036,000			
2. NURSERY							
No. Units	194	72	50	71		1	
No. Plants	5,514,600	2,875,600	1,250,000	1,341,000		48,000	
3. LAND DEVELOPMENT							
No. Acres	204	169		35			
4. SOIL CONSERVATION							
No. Acres	32	32					
5. SINDH IRR. PLANTATION							
Ac. Afforested	0	NA		NA	NA	NA	NA
Ac. Rehabilitated	0	NA		NA	NA	NA	NA
6. RESEARCH							
No. Projects	5					5	
7. TRAINING							
A. No. of Staff							
Overseas							
Sh. Term	9	2		2	1	4	
Lg. Term	0						
Tours	0						
Local							
M.Sc	0						
B.Sc	0						
Other	58	20	1	1	1	30	5
Tours	4					4	
B. No. of Farmers							
Tree Planting	9,481	9,371	100	10			
Nursery Tech.	64	7	50	7			
Land Development	3	2		1			
Soil Conserv.	3	3					
Mgmt/Mkt	55	30	25				
Motivators	5			5			
Tours	13			13			
8. BUILDINGS							
No. Offices	0						
No. Nursery Huts	0						
No. Res/Train Labs	Nil						
No. Hostels	0						
No. Residences	0						

Table 2. 1992/93 fiscal year project targets and accomplishments by geographic location.

Name of Activity	PC-1 Target 1992-93	Achieve. Thru 1qtr	PUNJAB	SINDH	NWFP	BALUCH	P.F.I./ Federal/	Other
1. PLANTING								
No. Farms	27469	5423	3770	18	1635			
No. Plants	27469000	7341595	6012595	293000	1036000			
2. NURSERY								
No. Units	480	194	72	50	71		1	
No. Plants	36000000	5514600	2875600	1250000	1341000		48000	
3. LAND DEVELOPMENT								
No. Acres	25260	204	169		35			
4. SOIL CONSERVATION								
No. Acres	2228	32	32					
5. SINDH IRR. PLANTATION								
Ac. Afforested	1800	0	NA		NA	NA	NA	NA
Ac. Rehabilitated	409	0	NA		NA	NA	NA	NA
6. RESEARCH								
No. Projects	5	5					5	
7. TRAINING								
A. No. of Staff								
Overseas								
Sh.Term	15	9	2		2	1	4	
Lg.Term	4	0						
Tours	10	0						
Local								
M.Sc	20	0						
B.Sc	19	0						
Other	35	58	20	1	1	1	30	5
Tours	20	4					4	
No. of Farmers								
Tree Planting	2875	9481	9371	100	10			
Nursery Tech.	225	64	7	50	7			
Land Development	260	3	2		1			
Soil Conservation	225	3	3					
Mgmt/Hkt	1000	55	30	25				
Motivators	50	5			5			
Tours	75	13			13			
8. Buildings								
No. Offices	2	0						
No. Nursery Huts	2	0						
No. Res/Train Labs	Nil							
No. Hostels	1	0						
No. Residences	10	0						

Table 3. 1992/93 fiscal year project targets and accomplishments by quarter.

Name of Activity	PC-1 Target 1992-93	Achieve- ment in 1st Quarter	Achieve- ment in 2nd Quarter	Achieve- ment in 3rd Quarter	Achieve- ment in 4th Quarter	Cumulat. Achieve. 1992-93	Cumulat. Achieve. as % of Target
1. PLANTING							
No. Farms	27469	5423				5423	19.7%
No. Plants	27469000	7341595				7341595	26.7%
2. NURSERY							
No. Units	480	194				194	40.4%
No. Plants	36000000	5514600				5514600	15.3%
3. LAND DEVELOPMENT							
No. Acres	25260	204				204	0.8%
4. SOIL CONSERVATION							
No. Acres	2228	32				32	1.4%
5. SINDH IRR. PLANTATION							
Ac. Afforested	1800					0	0.0%
Ac. Rehabilitated	409					0	0.0%
6. RESEARCH							
No. Projects	5	5				5	100.0%
7. TRAINING							
A. No. of Staff							
Overseas							
Sh.Term	15	9				9	60.0%
Lg.Term	4					0	0.0%
Tours	10					0	0.0%
Local							
M.Sc	20					0	0.0%
B.Sc.	19					0	0.0%
Other	35	58				58	165.7%
Tours	20	4				4	20.0%
B. No. of Farmers							
Tree Planting	2875	9481				9481	329.8%
Nursery Tech.	225	64				64	28.4%
Land Development	260	3				3	1.2%
Soil Conserv.	225	3				3	1.3%
Mgmt/Mkt	1000	55				55	5.5%
Motivators	50	5				5	10.0%
Tours	75	13				13	17.3%
8. BUILDINGS							
No. Offices	2					0	0.0%
No. Nursery Huts	2					0	0.0%
No. Res/Train Labs	Nil						
No. Hostels	1					0	0.0%
No. Residences	10					0	0.0%

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

Name of Activity	LOP PC-1 Target	1985-93 PC-1 Target	1985/87 Achieved	1987/88 Achieved	1988/89 Achieved	1989/90 Achieved	1990/91 Achieved	1991/92 Achieved	1992/93 Achieved Thru 1qtr	1985-93 Achieved To Date	% Tar
1. PLANTING											
No. Farms	105500	93100	2273	7395	12536	24851	48665	24689	5423	125832	135
No. Plants	133725000	111720000	1480773	4313595	7658702	12961302	24991741	33044501	7341595	91792209	82
2. NURSERY											
No. Units	1783	1501	100	154	300	790	1378	1060	194	3976	265
No. Plants	133725000	112575000	6670468	9033414	10179347	19319592	30990600	32694660	5514600	114402681	102
3. LAND DEVELOPMENT											
No. Acres	99284	83600	2	3812	813	2715	5539	1400	204	14485	17
4. SOIL CONSERVATION											
No. Acres	7600	6400	50	35	35	405	2035	310	32	2902	45
5. SINDH IRR. PLANT.											
Ml. Canal Const	2	2				1	1			2	100
Ac. Afforested	5400	4547					337	1220		1557	34
Ac. Rehabil.	1818	1531				152	217	64		433	28
6. RESEARCH											
No. Projects	50	40	1	14	15	3	5	3	5	46	115
7. TRAINING											
A. No. of Staff											
Overseas											
Sh.Term	117	99	10	8	28	10	23	4	9	92	93
Lg.Term	43	34		2	1	3	2	3		11	32
Tours	50	38	5	7	8	2	1	3		26	68
Local											
M.Sc	52	42				3	19	1		23	55
B.Sc.	76	61				8	20			28	46
Other	280	236		147	63	65	204	164	58	701	297
Tours	170	145		1	8	54	65	63	4	195	134
B. No. of Farmers											
Tree Planting	23000	19368	1114	4792	5978	9676	36806	26134	9481	93981	485
Nursery Tech.	1780	1500				289	215	598	64	1166	78
Land Dev.	990	840				25	55	99	3	182	22
Soil Conserv.	760	640				92	11	4	3	110	17
Mgmt/Mkt	2500	2000					629	589	55	1273	64
Motivators	600	550		11	11	23	23	63	5	136	25
Tours	570	480		7	43	268	223	313	13	867	181
B. BUILDINGS ^{1/}											
No. Offices	41 (27)	24				2	17	3		22	92
No. Nursery Hut	34 (20)	17				3	9	3		15	88
No. Hostels	3 (4)	2					1			1	50
No. Residences	90 (0)	74				2	6	4		24	32
No. Res/Train L Rooms	4 (6) 5 (10)	Nil Nil									

^{1/} PC-1 Targets (USAID Commitment)

PROGRESS TOWARD PROJECT GOALS AND PURPOSE

This quarter begins the project's eighth Pakistan fiscal year. The success the Project is having on getting farmers to plant trees on their private farm lands is having 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, over 114 million trees have been raised in nearly 4,000 farm nurseries and these seedlings have been planted on more than 125,800 farms. At maturity (age 7), these trees will provide approximately 8.3 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. This wood has a farm gate value of more than U.S. \$82 million.

Important, from an institutional standpoint, social forestry schemes now being formulated throughout Pakistan are adopting the methods and implementation strategies used in the Forestry Planning and Development Project. The provincial forest department staffs are becoming increasingly comfortable and proficient in their role as technology transfer agents.

This report includes indicators which USAID uses to monitor progress towards project purpose. Figures 1, 3, 6, 7 and 8 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

- Preparation of the Annual Work Plan for 1992/93 has been completed including a revised strategic plan for the period July 1, 1993 through December 31, 1994.

2. National Policy

- Review comments on the Forestry Sector Master Plan for Pakistan are being incorporated into the document. The final plan is scheduled for release during the second half of 1992.

3. Training

a. Long-Term Overseas Training

- Gul Mohammad Khan, Northwest Frontier Province, began his M.Sc. degree program in Resource Economics at the University of Idaho on 16 August 1992.
- Syed Ghulam Mohammad, Balochistan Province, began his M.Sc. degree program in Silviculture at the University of Idaho on 16 August 1992.
- Ilahi Malik Bakhsh, PFI, began his M.Sc. degree program in Silviculture at the University of Idaho on 24 August 1992.
- Zameer Hussain, Punjab Province, began his M.Sc. degree program in Silviculture at Mississippi State University on 27 August 1992.
- Fifteen 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

- Dr. Hans Zuuring taught the Research Methods course in the M.Sc. curriculum at Pakistan Forest Institute during the period June 1 through July 2, 1992. Thirty (30) M.Sc. students were enrolled in the course.
Person-months: 5.9
- Dr. Mark Behan taught the Forest Ecology course in the M.Sc. curriculum at Pakistan Forest Institute during the period May 5 through August 20, 1992. Thirty (30) M.Sc. students were enrolled in the course.
Person-months: 9.1
- 19 students began their final exams for B.Sc. forestry degrees and 20 students began their final exams for M.Sc. forestry degrees under FP&D Project scholarships at Pakistan Forest Institute.

c. Short-Term Overseas Training

- Three officers completed a 6-week workshop on Land Use Planning for Community Forestry and Natural Resource Development (USDA TC 120-10).
Person-months: 4.5

- One officer completed an 8-week workshop on Development and Operation of Agroforestry Extension Programs (USDA TC 110-05).
Person-months: 2.0
 - Two officers completed a 3-month workshop on Seed Technology at Mississippi State University.
Person-months: 6.0
 - Two officers completed a 5-week workshop on Farming Systems Approach to Research and Extension for Small Farms (USDA TC 110-20).
Person-months: 2.4
 - One officer completed a 6-week workshop on Micro Computer Application in Agricultural Development (USDA TC 140-37).
Person-months: 1.5
 - Five officers are currently attending training programs outside of Pakistan.
- d. In-Country Technical Training
- Organized and conducted a 3-day workshop on MYSTAT (statistical analysis software package) for 16 faculty and research officers at PFI.
Person-months: 2.2
 - Organized and conducted a 4-day workshop on Research Planning and Study Plan Preparation at PFI for 19 research and forest officers.
Person-months: 3.5
 - Organized and conducted a 5-day workshop on Research Planning and Study Plan Preparation for 20 research officers at PFRI, Gatwala and 3 University of Agriculture, Faisalabad scientists.
Person-months: 5.2
 - Organized and conducted a 1-day study tour of farm forestry activities in Punjab for 4 USAID officers.
Person-months: 0.2
 - Initiated preparation for a one-week conference on forest tree improvement and seed technology at Pakistan Forest Institute to be held November 1992.
 - Attended RAAKIM (Urdu wordprocessor software) enhancement workshop in Lahore and scheduled a RAAKIM workshop in Islamabad for next quarter.

e. In-Country Farm Forestry Training

- Organized and conducted half-day workshops for 9,481 farmers involved in tree planting activities in Punjab, Sindh and NWFP.
Person-months: 215.5
- Organized and conducted one-day workshops for 64 farmers involved in managing farm nurseries in Punjab, Sindh and NWFP.
Person-months: 2.9
- Organized and conducted one-day workshops for 6 farmers involved in land development and soil conservation activities in Punjab and NWFP.
Person-months: 0.3
- Organized and conducted a 1.5-day workshop for 25 farmers on the management and marketing of products from farm woodlots in Hyderabad, Sindh.
Person-months: 1.7
- Organized and conducted a 1-day workshop for 30 farmers on the management and marketing of products from farm woodlots in Khushab, Punjab.
Person-months: 1.4
- Organized and conducted one-day workshops for 5 village motivators in NWFP.
Person-months: 0.2
- Organized and conducted a 1-day tour for 13 farmers on the establishment and management of farm woodlots in NWFP.
Person-months: 0.6

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 review comments to the Office of the Inspector General of Forests on the draft Forestry Sector Master Plan.
- Prepared technical materials for government officials to use in speeches and television programs during the Tree Farmer Conventions.

- Provided a summary report for the Office of the Inspector General of Forests on the comments and recommendations which were generated at the Federal and Provincial Tree Farmer Conventions.
- Prepared a paper titled "Windbreaks and Agroforestry in Pakistan" published in the June 1991 proceedings of the Third International Windbreaks & Agroforestry Symposium in Ridgetown College, Canada.
- Prepared a concept paper for the Office of the Inspector General of Forests on "Social forestry for the improvement of quality of life of the people and environmental rehabilitation".
- Presented a seminar on the Pakistan Forestry Planning and Development Project in the Land Use Planning Workshop at the University of Idaho on July 14, 1992.
- Prepared a paper on "The outreach/extension model in the Forestry Planning and Development Project" for presentation at the July 28-30, 1992 meeting of the forestry extension coordinators meeting.
- Met twice with World Bank officials to discuss the design of a Bank funded social forestry project in Pakistan beginning in late 1994.
- Assisted Susan Huke and Mary Koester with background material, arrangements and logistics during their assignment to plan and schedule a Women in Forestry workshop in Pakistan.
- Dr. George M. Blake completed his 36 month assignment (September 1989 - September 1992) as Education, Training and Research Advisor. He departed Pakistan on August 21, 1992.
Person-months: 36.0
- Dr. Hans Zuuring completed his 8-week consultancy (May 30 - July 30, 1992) at PFI. During this period he taught the Research Methods course in the M.Sc. curriculum and conducted three workshops on the analysis of data and the preparation of research work plans.
Person-months: 2.5

5. Research Management

- Initiated preparation for the Annual Research Review meeting to be held at Pakistan Forest Institute in October 1992.

B. OPERATIONAL ACTIVITIES

1. Barani/Irrigated Plantations - Balochistan, NWFP, Punjab, and Sindh
 - a. Nursery Development
 - 194 farm forestry nurseries were established and began operation in Punjab, Sindh, and NWFP and one nursery crop was initiated at PFI.
 - Nursery payments under PIL No. 55 totaling Rs. 1,089,875.00 were made to 53 farmers in Punjab.
 - b. Tree Planting
 - 7.3 million tree seedlings were planted by farmers in Punjab, Sindh and NWFP.
 - c. Extension/Outreach/Recognition
 - A Federal Tree Farmers Convention was held on August 3, 1992 in Islamabad and attended by approximately 500 farmers, industrialists, government officials and forest officers.
 - A Punjab Tree Farmers Convention was held on August 5, 1992 in Faisalabad and attended by approximately 300 farmers, industrialists, government officials and forest officers.
 - A Balochistan Tree Farmers Convention was held on August 12, 1992 in Quetta and attended by approximately 250 farmers, industrialists, government officials and forest officers.
 - A NWFP Tree Farmers Convention was held on August 16, 1992 in Abbottabad and attended by approximately 250 farmers, industrialists, government officials and forest officers.
 - A Azad Kashmir Tree Farmers Convention was held on August 16, 1992 in Muzaffarabad and attended by approximately 300 farmers, industrialists, government officials and forest officers.
 - 9,576 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, Sindh and NWFP.
 - 5 village motivators were trained in NWFP.
 - 13 farmers participated in study tours from NWFP.

- d. Land Development and Soil Conservation
 - 236 acres of land development and soil conservation works were completed in the Punjab and NWFP.
- e. Monitoring and Evaluation
 - Consultancy to assess equipment, facility and staff requirements for establishment of a GIS capability within the O/IGF was initiated.
- 2. Irrigated Plantations - Sindh
 - No afforestation works were completed this quarter.
- 3. NGO Activities
 - The FP&D Grant Unit awarded grants to the following NGOs:
 - Pakistan Tree Farm Society, Islamabad
Environmental Awareness - \$20,000
 - Fountain House, Lahore, Punjab
Seedling Production - \$10,000
 - National Farm Guide Council, Lahore, Punjab
Seedling Production - \$7,600
 - World Wide Fund for Nature, Pakistan
Biodiversity - \$12,000
 - World Wide Fund for Nature, Pakistan
Biodiversity - \$28,000
- 4. Special Studies
 - o Use/Marketing/Economics of Farm Forestry Products
 - Three on-farm timber sales were recorded which totaled 965 tons of wood for which the Punjab farmers received Rs. 492,000.
 - Completed PFI solar dry kiln initial trial run. Results are to be presented in the Annual Research Review meeting in October 1992.
 - o Farm Forestry Field Guides
 - Technical Note No. 10 - Tree Planting and Extension. Urdu document was prepared, printed and distributed.
 - o Farm Forestry Communications
 - Farm Forestry Newsletter, Vol. 4, Issue No. 1
English/Urdu version printed and distributed.

o Degree Training Teaching Materials

- Published

Sociology of Natural Resources. Textbook edited by Michael R. Dove and Carol Carpenter. Vanguard Books Pvt Ltd, Lahore, 458 p.

Lessons in Soil-Plant Water Relationships. Teaching Manual prepared by Mark Behan, 161 p.

Forest Ecology. Lecture Notes, Study Objectives and Field Exercise prepared by Mark Behan, 85 p.

- In Draft and Under Review for Publication

Forest Policy, Administration and Management in Pakistan by Abeer Ullah Jan.

5. Research

- Remeasured permanent growth plots in two plantations in Attock District, Punjab.
- Published and distributed a workshop manual on MYSTAT (statistical analysis software package).
- 40 research projects and studies are currently on-going.

C. CONSTRUCTION

1. PFI

- Construction on the women's hostel is 98% complete.

2. Provincial Forest Departments

- Construction on 2 nursery huts and 2 RFO offices in Punjab is 80% complete.

3. Research and Training Facilities

- Design/tender documents for hostels at Ghora Gali and Abbottabad, 2 lecture rooms at Gatwala and a research/training unit at Quetta and Miani have been initiated.

PROJECT IMPLEMENTATION ISSUES

A. ACTION ON THIS QUARTER'S ISSUES

Development of Detailed Activity Plans for Life of Project

A Life of Project short- and long-term implementation plan was developed to (1) schedule activities during the extension, and (2) provide detailed estimates of the resources and funds required to accomplish life of project activities. For the remainder of the project, activities emphasize linkages between farm producers and wood using industries and the effective involvement of NGO's in forestry activities.

B. NEXT QUARTER'S ISSUES

Balochistan Project Implementation Concerns

Lack of project outputs and frequent changes in staff during the First Quarter of FY 1992/93 have significantly impacted the project in a negative way. If these problems are not addressed immediately it is unlikely that FY 1992/93 project objectives and targets will be obtained. More generally, these problems, if not addressed, will significantly constrain future provincial social forestry activities.

ACTION: The O/IGF, USAID and TAT, in collaboration with the Balochistan Government, will identify and implement project adjustments required to facilitate the attainment of project objectives and targets. This plan of action will be developed next quarter at a Project Monthly Review meetings.

Sindh Irrigated Plantation Implementation Concerns

Lack of project outputs and changes in staff during the First Quarter of FY 1992/93 have significantly impacted the project in a negative way. If these problems are not addressed immediately it is unlikely that FY 1992/93 forestation objectives and targets will be obtained. Since this activity has consistently lagged behind the implementation schedule, if not addressed, it appears that the renovation of irrigated plantations may not be a viable project activity.

ACTION: The O/IGF, USAID and TAT, in collaboration with the Sindh Government, will identify and implement project adjustments required to facilitate the attainment of irrigated plantation forestation objectives and targets. This plan of action will be developed next quarter at a Project Monthly Review meetings.

PROPOSED PROJECT ACTIVITIES FOR NEXT QUARTER

A. INSTITUTIONAL AND MANPOWER DEVELOPMENT

1. Project Reporting and Coordination
 - Approval of annual work plans.
2. National and Provincial Policy
 - Implementation of the National Policy for Forests, Wildlife, Watersheds and Rangelands, 1991 continues.
 - Forestry Sector Master Plan is finalized.
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
 - The Project's last batch of B.Sc. and M.Sc. scholarship students will begin their two year program of forestry training.
 - Dr. Mark Behan will complete his consultancy at PFI.
 - Forest Economics/Management Specialist will assist PFI faculty in the teaching of Forest Economics, Natural Resource Economics and Forest Management.
 - c. Short-Term Overseas
 - Nominees participate in overseas workshops.
 - d. In-Country Technical Training
 - Conduct a national workshop on Tree Seed Technology and Tree Improvement.
 - 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

- Hold the Annual Research Review Meeting at PFI.

B. OPERATIONAL ACTIVITIES

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

a. Nursery Development

- Farm nurseries distribute seedlings for the fall 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

- Recruit a Monitoring and Evaluation officer for the O/IGF Database Cell from the M.Sc. Forestry graduates.
- Conduct an indepth survey of farm nurseries.
- Implement consultancy report which identified equipment, facility and staff requirements for the establishment of a GIS capability within the O/IGF.

2. Irrigated Plantations - Sindh

- Continue rehabilitation and reforestation activities.

3. NGO Activities

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

4. 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.

o Farm Forestry Field Guides

- Prepare and distribute Farmer Guides on Pruning Trees and Managing Coppice Sprouts.
- Continue preparation of a technical note on Calculating Stumpage Prices of Farm Grown Materials.

o Farm Forestry Communications

- Farm Forestry Newsletter, Vol. 4, Issue No. 2
Print and distribute.

5. Research

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

C. CONSTRUCTION

1. PFI

- Construction completed on the Woman's Hostel.

2. Provincial Forest Departments

- Construction completed on the offices and nursery huts in Punjab.
- Designs are completed for technical school classrooms and hostels, and research laboratories.

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

<u>Line Item</u>	<u>4-Year Budget Amount</u>	<u>Sep 30,92 Cumulative Expended</u>	<u>Percent Expended</u>
1. Salaries and Wages	\$1,158,431	\$ 906,055.35	78.21
2. Fringe Benefits	305,479	209,688.05	68.64
3. Overhead	682,021	526,401.24	77.18
4. Travel, Transportation & Per Diem	700,673	419,995.70	59.94
5. Allowances	300,363	240,862.48	80.19
6. Other Direct Costs	425,696	402,739.50	94.61
7. Local Training	150,000	142,981.37	95.32
8. Commodities	400,000	396,183.65	99.05
9. Subcontracts	75,000	48,847.00	65.13
Total Expended	\$4,197,663	\$3,293,754.34	78.47

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

<u>Line Item</u>	<u>Budgeted Amount</u>	<u>30 Sept 92 Cumulative Expended</u>	<u>Percent Expended</u>
<u>USAID</u>			
Technical Assistance	\$ 7,500,000	\$ 6,527,036	87.03
Training	4,250,000	1,977,410	46.53
Commodities	3,400,000	2,234,287	65.71
Other Costs	11,900,000	9,218,704	77.47
Evaluation	450,000	172,026	38.23
Total Reimbursable	\$27,500,000	\$20,129,463	73.20
<u>GOP</u>			
Non-Reimbursable	Rs. 178,000,000	Rs. 73,176,928	41.11

**ATTACHMENT C. PROJECT PUBLICATIONS PRODUCED DURING THE FIRST
QUARTER OF PAKISTAN FISCAL YEAR 1992/1993.**

PUBLICATIONS AND PUBLISHED ARTICLES

Charles W. McKetta. 1990. The Wood Shortage in Pakistan: Hypothetical Contradictions. Pakistan Journal of Forestry 40(4):266-273.

BOOKS AND PROCEEDINGS

Michael R. Dove and Carol Carpenter (Eds.). 1992. Sociology of Natural Resources. Vanguard Books Pvt Ltd, Lahore, Pakistan. 458 p.

TECHNICAL NOTES

M.I. Sheikh. 1992. Tree Planting and Extension. Technical Note No. 10, (Urdu) Forestry Planning and Development Project, 17 p.

TRAINING MATERIALS

Hans Zuuring. 1992. MYSTAT Workshop Notes. Teaching Manual. Forestry Planning and Development Project, in collaboration with the School of Forestry, University of Montana, 19 p.

Mark Behan. 1992. Lessons in Soil-Plant Water Relationships. Teaching Manual. Forestry Planning and Development Project, 161 p.

Mark Behan. 1992. Forest Ecology. Lecture Notes, Study Objectives and Field Exercise. Forestry Planning and Development Project, 85 p.

NEWSLETTERS

Forestry Planning and Development Project. 1992. Farm Forestry Newsletter. (English and Urdu) Vol. 4, Issue 1, 12 p.

PAPERS

M.I. Sheikh. 1992. Windbreaks and Agroforestry in Pakistan. In "The Third International Windbreaks & Agroforestry Symposium Proceedings" during June 1991 at Ridgetown College, Canada. p. 224 - 227.

CONSULTANCY REPORTS

Hans Zuuring. 1992. Training Report for Instruction and Workshops on Research Methods. Consultant Report, Winrock International, 12 p.

END OF TOUR REPORTS

George M. Blake. 1992. Education, Training and Research Advisor. End of Tour Report, Winrock International, 23 p.