A-100

391040X (6)
PD-AAD-189

AID 1350-1 (7-71)

PIO/T

FY 77

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

# PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES

1. Cooperating Country: Pakistan

Page 1 of 8 Pages

2. PIO/T No.: 391-401-2-70072

3. [X] Original or Amendment No. ____

4. Project/Activity No. and Title: 391-401 Water Management (Precision Land Leveling)

17p.

DISTRIBUTION

5. Appropriation Symbol: 72-11x1023

6.A. Allotment Symbol and Charge: 402-50-391-00-69-71

6.B. Funds Allotted to: [ ] A.I.D./W [X] Mission

7. Obligation Status: [ ] Administrative Reservation [X] Implementing Document

8. Funding Period (Mo., Day, Yr.): From 10/1/76 To 3/31/78

9.A. Services to Start (Mo., Day, Yr.): Between see contract and see contract

9.B. Completion date of Services (Mo., Day, Yr.): June 30, 1978

10.A. Type of Action: [ ] A.I.D. Contract [ ] Cooperating Country Contract [X] Participating Agency Service Agreement [ ] Other

10.B. Authorized Agent: AID/W

| Estimated Financing $1.00= | | (1) Previous Total | (2) Increase | (3) Decrease | (4) Total to Date |
|---|---|---|---|---|---|
| 11. Maximum A.I.D. Financing | A. Dollars | | $559,000 | | $559,000 |
| | B. U.S.-Owned Local Currency | | | | |
| 12. Cooperating Country Contributions | A. Counterpart | | | | |
| | B. Other | | | | |

13. Mission References

14. Instructions to Authorized Agent

This PIO/T authorizes the continuance of advisory services performed by the Soil Conservation Service (SCS) of U.S. Department of Agriculture under a Participating Agency Service Agreement (PASA) Contract ASIA(AJ)06-74. It also provides additional dollar funds to cover project costs through March 31, 1978.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate
Stanley M. Remington, O/AP

B. Funds for the services requirements are available
William G. McMoil, AD/C

C. The scope of work lies within the purview of the initiating and receiving Agency Programs
Arthur S. Lezin, PRO

D.
John M. Eustace, AD/M

E.

F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

Signature and date:

Title: Project Director, GOP

17. For the Agency for International Development

Signature: Joseph C. Wheeler

Title: Director, USAID/Pakistan

18. Date of Signature: Dec. 30, 1976

AID 1350-1 (9-70)

PIO/T

Cooperating Country: Pakistan

PIO/T No. 391-8010-2-70071



Project/Activity No. and Title: Water Management (Precision Land Leveling)

SCOPE OF WORK

19. Scope of Technical Services

A. Objective for which the Technical Services are to be Used

To provide advisory services to the Government of Pakistan in all aspects of the technical and operational functions of the On-Farm Water Management project

B. Description

(see continuation sheet)

Technical advisory services will be provided in the implementation of the On-Farm Water Management project. Eight technicians will provide advisory services in precision land leveling, watercourse reorganization and improvement, irrigation water management and improved agronomic practices. The functions of the advisors will be as follows:

1. Team Leader - This individual is responsible to the Government of Pakistan, on behalf of the team of PASA advisors, to advise on the preparation of guidelines for improved agronomic practices, irrigation water application, precision land leveling and watercourse reorganization and improvement. The Team Leader will also be responsible for the following activities:

(see continuation sheet)

C. Technicians

| (1) (a) Number | (b) Specialized Field | (c) Grade and/or Salary | (d) Duration of Assignment (Man-Months) |
|---|---|---|---|
| 1 | Team Leader | See budget attached. | 18 mm |
| 1 | Agricultural Economist | | 18 mm |
| 3 | Irrigation Agronomists | | 18 mm |
| 3 | Irrigation Engineers | | 18 mm |
| 1 | Irrigation Engineer (short-term) | | 90 days |
| 1 | Irrigation Engineer (short-term) | | 60 days |

(2) Duty Post and Duration of Technicians' Services

No change from PIO/T 50082 and 60110.

(3) Language requirements

(4) Access to Classified Information

(5) Dependents ☒ Will ☐ Will Not Be Permitted to Accompany Technician

D. Financing of Technical Services

(1) By AID - $557,500

(2) By Cooperating Country -

| AID 1350-1 (3-70) PIO/T | Cooperating Country: Pakistan | PIO/T No. 391-4010-2-70071 | Page 3 of 8 Pages |
|---|---|---|---|
| | Project/Activity No. and Title: Water Management (Precision Land Leveling) | | |

20. Equipment and Supplies (Related to the services described in Block 19 and to be procured outside the Cooperating Country by the supplier of these services)

A. (1) Quantity (2) Description (3) Estimated Cost (4) Special Instructions

Supplies, material and miscellaneous equipment to purchase items for NWFP as have been purchased for Sind and Punjab.

B. Financing of Equipment and Supplies
(1) By AID - $ 1,500. (2) By Cooperating Country -

21. Special Provisions

☒ A. This PIO/T is subject to AID (contracting) (PASA implementation) regulations.

☐ B. Except as specifically authorized by AID, or when local hire is authorized under the terms of a contract with a U.S. Supplier, services authorized under this PIO/T must be obtained from U.S. sources.

☐ C. Except as specifically authorized by AID/W, the purchase of commodities authorized under this PIO/T will be limited to the U.S. under Geographic Code 000.

☐ D. Other (specify):

22. Reports by Contractor or Participating Agency (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports, and any special requirements)

Same. No change from PIO/Ts 50082 and 60110.

23. Background Information (Additional information useful to Authorized Agent and Prospective Contractor or Participating Agency; if necessary cross reference Block 19.C(d) above.)

No change from PIO/Ts 50082 and 60110.

24. Relationship of Contractor or Participating Agency to Cooperating Country and to AID

A. Relationships and Responsibilities

Punjab and Sind - Personnel will work directly with the Department of Agriculture Organization established to implement the On-Farm Water Management Program. In NWFP personnel will work with Agriculture Engineering Department personnel until another organization within the Department is established.

B. Cooperating Country Liaison Official

C. AID Liaison Officials

| AID 1350-1 (8-70) PIO/T | Cooperating Country: Pakistan | PIO/T No. 391-4010.2-70071 | Page 5 of 8 Pages |
|---|---|---|---|
| | Project/Activity No. and Title: Water Management (Precision Land Leveling) | | |

LOGISTIC SUPPORT

25. Provisions for Logistic Support

A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments")

| | In Kind Supplied By | | From Local Currency Supplied By | |
|---|---|---|---|---|
| | AID | Cooperating Country | AID | Cooperating Country |
| (1) Office Space | | X | X | |
| (2) Office Equipment | X | X | | |
| (3) Housing and Utilities | | | X | |
| (4) Furniture | X | | | |
| (5) Household Equipment (Stoves, Refrig., etc.) | X | | | |
| (6) Transportation in Cooperating Country | X | | | |
| (7) Interpreter Services | | X | | |
| Others (Specify) (8) Clerical staff | | | X | |
| (9) Transportation to and from Pakistan | | | X | |
| (10) HHE shipment | | | X | |
| (11) | | | | |
| (12) | | | | |
| (13) | | | | |
| (14) | | | | |
| (15) | | | | |

B. Additional Facilities Available From Other Sources

Same as under PIO/T 60110.

C. Comments

Same as under PIO/T 60110.

19. Scope of Technical Services (continued)

such as:

1. To demonstrate to farmers the production increases that can be realized through precision land leveling coupled with the adoption of improved agronomic practices.

2. To build within the government an institutional infrastructure essential for a subsequent nationwide water management program. This will consist of:

   a. Training of provincial agricultural officers in the planning, design, and construction of watercourses.

   b. Training of provincial agricultural officers in the planning, design, and construction of watercourses.

   c. Encouragement of private enterprise participation in custom land leveling services to farmers.

3. To collect and analyze specific data on the benefits of land leveling and watercourse improvement to assess project impact and to enable project modification as required.

a. Providing guidance and counsel to Government of Pakistan and provincial officials, as requested, on plans for sharing of precision land leveling costs, between the Government of Pakistan and provinces on the one hand and farmers on the other, such guidance and counsel to include suggestions as to appropriate institutional arrangements.

b. Advising Government of Pakistan and provincial officials on the need for, and timing of, appropriate short term specialists from the SCS and other organizations whether financed under the AID grant assistance, under the AID loan or by aid agencies other than AID.

c. Assisting Government of Pakistan and provincial officials, as requested by them, in the development of project plans and implementation procedures.

d. Assisting Government of Pakistan and provincial officials, as requested by them, in the development of standards and guidelines for precision land leveling, watercourse reorganization and improvement, irrigation water management and improved agronomic practices.

e. Keeping Government of Pakistan and provincial officials informed of project implementation progress and providing timely notifications to Government of Pakistan and provincial officials of pending problems or delays when remedial actions may need to be taken. In keeping Government of Pakistan and provincial officials so informed, the Team Leader will bear in mind Government of Pakistan-AID agreements on project plans.

f. Providing overall supervision and guidance to the PASA Team, including coordination of each province's PASA team activities with appropriate provincial officials.

2. Agricultural Economist - Qualifications for this advisor will include familiarity with basic statistical and analytical methods and sampling techniques, including full knowledge of benefit/cost analysis and other evaluation methods. The advisor will have three or more years of experience as a professional agricultural economist involved in farm-management analysis or project evaluation work. As directed by, and under the supervision of, the Team Leader, the agricultural economist will assist the Government of Pakistan and provincial

officials in

a. The coordination of data collection where precision land leveling work is being done.

b. Assessing the need for special studies.

c. The conduct of such studies.

d. The development of specific benefit/cost analyses on farms where leveling and varying tillage practices have been utilized under a wide variety of site conditions."

3. Irrigation Agronomist and Irrigation Engineers - These field advisors, who will be posted as two-person teams (one agronomist and one engineer) in the Punjab Province at Lahore, the Sind Province at Hyderabad and the Northwest Frontier Province at Peshawar, will assist Government of Pakistan and provincial officials in:

a. Planning, design, and construction of farm irrigation systems.

b. Irrigation water management.

c. Crop production and tillage practices on irrigated lands.

d. Operation and maintenance of land leveling, and tillage equipment.

e. Planning, design, and construction of watercourses.

f. Monitoring of field progress.

g. Project activities in Baluchistan province, as requested.

Irrigation Agronomists must have a thorough knowledge of and practical experience with row and field crops grown in the southwestern quadrant of the U.S. Must include experience reclaiming and improving lands with salinity, alkalinity and water logging problems.

Irrigation Engineers must be civil or agricultural engineers with extensive practical experience gained in planning and construction of farm irrigation and drainage systems, land leveling and related on-farm development activities.

PIO/T Continuation Sheet
Water Management
(Precision Land Leveling FY 77)

Estimated FY 1977 (SCS) U.S. Department of Agriculture
Personnel Budget Plan (Dollars)

| | Grade | P/M | Salary | Differential 15% | Per Diem | Storage | Education Allowance | Total |
|---|---|---|---|---|---|---|---|---|
| Team Leader<br>M.P. Cox | 12/3 | 18 | 55209 | 8280 | 200 | 700 | | $ 64389 |
| D.F. Jones<br>Agro. Adv. Research | 11/4 | 18 | 49077 | 7360 | 300 | 700 | 2600 | 60037 |
| E.W. Shaw<br>Agro Advisor Research | 10/4 | 18 | 41322 | 6198 | 300 | 700 | 2600 | 51120 |
| J.V. McDonald<br>Agro. Adv. Research | 10/2 | 18 | 38893 | 5833 | 200 | 700 | - | 45625 |
| W.K. Twitty, Jr.<br>Irrig. Farming Adv. | 9/7 | 18 | 37677 | 5650 | 400 | 700 | 5200 | 49627 |
| H.C. Moore<br>Agro. Adv. Research | 11/4 | 18 | 49077 | 7360 | 200 | 700 | 2600 | 59937 |
| P.J. Corak<br>Agronomist (Irrigation) | 10/4 | 18 | 41322 | 6198 | 200 | 700 | - | 48420 |
| K.E. Larson<br>Engr. Irrigation | 10/4 | 18 | 41322 | 6198 | 200 | 700 | - | 48420 |
| Sub-Total | | | 353898 | 53077 | 2000 | 5600 | 13000 | 427575 |
| Short Term | | 5 | | | | | | 19500 |
| Overhead 25% | | | | | | | | 111767 |
| Total | | | | | | | | $ 558842 |
| Rounded Total | | | | | | | | $ 559000 |

AID 1350-1 (7-71)

PIO/T

FY 75

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

**PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES**

1. Cooperating Country: Pakistan

Page 1 of 7 Pages

2. PIO/T No. 391-401-2-60182 50082

3. ☐ Original or Amendment No. 1

4. Project/Activity No. and Title: 391-17-120-401 Precision Land Levelling

DISTRIBUTION

5. Appropriation Symbol: 72-11x1023

6.A. Allotment Symbol and Charge: 402-50-391-00-69-51

6.B. Funds Allotted to: ☐ A.I.D./W ☒ Mission

7. Obligation Status: ☐ Administrative Reservation ☒ Implementing Document

8. Funding Period (Mo., Day, Yr.) From 4/75 To 6/76

9.A. Services to Start (Mo., Day, Yr.) Between March 15, 1975 and May 15, 1975

9.B. Completion date of Services (Mo., Day, Yr.) June 1976

10.A. Type of Action: ☐ A.I.D. Contract ☐ Cooperating Country Contract ☒ Participating Agency Service Agreement ☐ Other

10.B. Authorized Agent: AID/Washington

| Estimated Financing $1.00= | | (1) Previous Total | (2) Increase | (3) Decrease | (4) Total to Date |
|---|---|---|---|---|---|
| 11. Maximum A.I.D. Financing | A. Dollars | $77,224 | $25,000 | | $102,224 |
| | C. U.S.-Owned Local Currency | | | | |
| 12. Cooperating Country Contribution | A. Dollars | | | | |
| | B. Other | | | | |

13. Mission References

14. Instructions to Authorized Agent

AID/W will negotiate and execute an amendment to the existing PASA Agreement No. ASIA(AG)06-74 between AID Soil Conservation Services U.S. Department of Agriculture for the additional services of two technicians as specified in Block 19B of this PIO/T. This PIO/T also provides $25,000 to pay the salaries and related cost for additional technical services requested herein.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate: N. A. Dimick - AD/AP

B. Funds for the services requested are available: W. A. Chevoor - AD/C

C. The scope of work lies within the purview of the initiating and approved Agency Programs: Loring A. Waggoner - PRO

D. G. E. Rusinak - AD/M 12/18/74

E.

F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

Signature and date:

Title: Project Director, GOP

17. For the Agency for International Development

Signature: William A. Wolffer

Title: Deputy Director, USAID/Pak

18. Date of Signature: Jan. 1, 1975

**FUNDS AVAILABLE**

| AID 1550-1 (9-70) PIO/T | Cooperating Country: Pakistan | PIO/T No. 391-401-2 50082 | Page 2 of 7 Pages |
|---|---|---|---|
| | Project/Activity No. and Title: 391-17-120-401 Precision Land Levelling | | |

SCOPE OF WORK

II. Scope of Technical Services

A. Objective for which the Technical Services are to be Used

To provide advisory services in all aspects of the technical and operational functions of the land levelling program such as: (contd. on page 6)

B. Description

This project provides technical advisory services and research for the adoption of improved land levelling practices. The two technicians provided under this PIO/T will be assigned to the province of NWFP and will train these individuals who are selected by the provincial government to form the future cadre of expertise in land levelling. They will also train the private enterpreneurs who wish to learn the land levelling techniques. Training will consist of both formal and on-the-job instructions. The function of the advisors will be as follows

(contd. on page 5)

C. Technicians

| (1) (a) Number | (b) Specialized Field | (c) Grade and/or Salary | (d) Duration of Assignment (Man-Months) |
|---|---|---|---|
| 1 | Agronomist (Irrigation) | | 24 |
| 1 | Engineer (Irrigation) | | 24 |

(2) Duty Post and Location of Technical Services

Peshawar or any other place near the provincial headquarters

(3) Language requirements

(4) Access to Classified Information

Not Required

(5) Dependents [X] Will [ ] Will Not Be Permitted to Accompany Technician

D. Financing of Technical Services

(1) By AID - $ 25,000 (2) By Cooperating Country

| AID 1330-1 (5-70) PIO/T | Cooperating Country: Pakistan | PIO/T No. 50082 391-401-2-50082 | Page 3 of 7 Pages |
|---|---|---|---|
| | Project/Activity No. and Title: 391-77-120401 Precision Land Levelling | | |

20. Equipment and Supplies (Related to the services described in Block 19 and to be procured outside the Cooperating Country by the supplier of those services)

| A. (1) Quantity | (2) Description | (3) Estimated Cost | (4) Special Instructions |
|---|---|---|---|
| | N I L | | |

B. Financing of Equipment and Supplies

(1) By AID – $

(2) By Cooperating Country –

21. Special Provisions

☒ A. This PIO/T is subject to AID (~~[illegible]~~) (PASA implementation) regulations.

☐ B. Except as specifically authorized by AID, or when local hire is authorized under the terms of a contract with a U.S. Supplier, services authorized under this PIO/T must be obtained from U.S. sources.

☐ C. Except as specifically authorized by AID/W, the purchase of commodities authorized under this PIO/T will be limited to the U.S. under Geographic Code 000.

☐ D. Other (specify):

22. Reports by Contractor or Participating Agency (Indicate type, content and number of reports required, including language to be used if other than English, frequency or timing of reports, and any special report content)

Reporting by the technicians will be performed according to USAID/P requirements. These will include written monthly and quarterly progress reports, routine verbal reports and submission of technicians final end of tour reports. Other reports and documentations as requested by the GOP and US AID and as agreed between AID/W and Contractors.

23. Background Information (Additional information useful to Authorized Agent and Prospective Contractors or Participating Agency if necessary cross reference Block 15-C(4) if any)

All necessary background information and materials will be provided by USAID and the GOP.

24. Relationship of Contractor or Participating Agency to Cooperating Country and to AID

A. Relationships and Responsibilities

B. Cooperating Country Liaison Official

NWFP Province - Director, Agriculture Engineering, Deptt. of Agriculture

C. AID Liaison Officials

AD/AP, USAID/Islamabad
O/AP, USAID/Islamabad

50082

| AID 1380-1 (9-70) PIO/T | Cooperating Country: Pakistan | PIO/T No. 391-401-2-[redacted] | Page 5 of 7 Pages |
|---|---|---|---|
| | Project/Activity No. and Title: 391-17-120-401 Precision Land Levelling | | |

LOGISTIC SUPPORT

25. Provisions for Logistic Support

| A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments") | In Kind Supplied By: AID | In Kind Supplied By: Cooperating Country | From Local Currency Supplied By: AID | From Local Currency Supplied By: Cooperating Country |
|---|---|---|---|---|
| (1) Office Space | | X | | |
| (2) Office Equipment | | X | | |
| (3) Housing and Utilities | | | X | |
| (4) Furniture | X | | | |
| (5) Household Equipment (Stoves, Refrig., etc.) | X | | | |
| (6) Transportation in Cooperating Country | | X | | |
| (7) Interpreter Services | | X | | |
| Other: (Specify) (8) Clerical support | | X | | |
| (9) HHE shipment | | | X | |
| (10) Transportation to and from Pak | | | X | |
| (11) | | | | |
| (12) | | | | |
| (13) | | | | |
| (14) | | | | |
| (15) | | | | |

B. Additional Facilities Available From Other Sources

Employees hired under the contract shall have commissary and other privileges and services to the same extent as extended to AID direct-hire employees. Per diem, travel and other allowances, once the employees have entered upon duty through this PIO/T, shall conform to those applicable to US Direct-hire employees. Household ~~effects~~ furniture and appliances will be issued and maintained by U.S.AID. Same as for direct hire employees.

C. Comments

All allowances (including overseas differential allowance) shall be payable in local currency to the maximum extent possible.

*Trust Fund, source of which is the Government of Pakistan.

Transportation in the country will be reimbursed only in the event it is not provided by the GOP.

Block 19(A) contined

1. To demonstrate to farmers the production increases that can be realized through precision land levelling and through the adoption of improved agronomic practices on levelled fields.

2. To build within the NWFP Government the beginnings of an institutional infrastructure capable of supplying precision land levelling and associated agronomic services to farmers who desire these services.

3. To conduct research on socio-economic factors involved in changing traditional agronomic and water use practices and to develop specific data on the benefits vs. costs of precision land levelling under a variety of conditions - with various crops, plot sizes, soil conditions and site location.

Block 19(B) continued

Irrigation Agronomist and Irrigation Engineer - These field advisors will be posted as two-man team (one agronomist and one engineer) in the NWFP province near the provincial headquarters i.e. in Peshawar or to the nearest place. These field advisors will implement the following training program:

a. Development and use of farm plans. The professionals should gain experience developing farm plans with the farmer while the sub-professionals must learn how to gather data for use in plan development and how to use plans in the application process.

b. Teach the use of irrigation guides as working tools.

c. Provide field experience in staking, surveying, designing and computing, and implementing land levelling procedures as well as construction of irrigation and drainage systems.

d. Supervise field work of checking and control of on-farm development activities.

e. Provide field experience in irrigation water application to demonstrate when to irrigate, how much to apply and how to appy it.

f. Teach crop production and tillage practices on irrigated lands such items as soil conditioning crops, toxic salt leaching, and special fertilizer needs following land levelling, proper use of plows, chisels, sub soilers and land planes to maintain levelled lands.

g. Operation and maintenance of land levelling and tillage equipment.

The Agronomist (Irrigation) should have the following personal and technical qualifications:

a. A thorough knowledge of and practical experience with row and field crops grown in the southwestern quadrant of the U.S. This knowledge must include experience reclaiming and improving lands with salinity, alkalinity and water logging problems.

b. He should also possess basic knowledge of land levelling techniques and sufficient field experience to provide on-the-job supervision of both agronomic and land levelling training activities. The U.S. advisors will spend only one-third (1/3) of their time in formal training sessions. The remaining two third (2/3) of their time will be spent as on-the-job supervision of trainees. To assure maximum trainee supervision, each U.S. technician will work independently with different trainee teams in the field, hence the requirement for technical knowledge and experience with both agronomic and engineering activities.

Irrigation Engineer - He should be a civil or agriculture engineer extensive practical field experience gained from years of implementing land levelling and related on-farm development activities. Successful preparation of farm plans and lay out requires more than passing knowledge of the improved agronomic and tillage practices required to maximize the benefits of precision land levelling and improved irrigation application techniques. These additional technical qualifications are necessary as only one-third of the USDA/SCS field technicians' time will be spent in formal training sessions while the remaining two thirds will be supervising and directing on-the-job land levelling and agronomic practices training activities while physically separated from the irrigation agronomist.

PIO/T cont. sheet
Precision Land Levelling FY 75

Estimated FY 1975 (SCS) U.S. Dept. of Agriculture
Personnel Budget Plan (Dollars)

| Position Title and incumbent | FC Grade | Rate | Man Mos. | Salary | 15% Differential | Total | Pers. Benefits | Int'l travel | Transp.1/ of things | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Team Leader, Cox | 12/1 | 28,380 | 12 | 28,380 | 4,257 | 32,637 | 2,412 | | 800 | 35,849 |
| Irrig. Engg. Shaw | 10/3 | 22,055 | 12 | 22,055 | 3,308 | 25,363 | 1,874 | | 800 | 28,037 |
| Agr. Econ. Dempster | 10/3 | 22,055 | 12 | 22,055 | 3,308 | 25,363 | 1,874 | | 800 | 28,037 |
| Irrig. Engg. Twitty | 9/6 | 20,159 | 12 | 20,159 | 3,023 | 23,182 | 1,713 | | 800 | 25,695 |
| Irrig. Agron. McDonald | 10/1 | 20,677 | 12 | 20,677 | 3,101 | 23,778 | 1,757 | | 800 | 26,335 |
| Irrig. Engg. Koluvek | 9/8 | 21,366 | 12 | 21,366 | 3,204 | 24,570 | 1,816 | | 800 | 27,186 |
| Agronomist (Irri.) | 10/1 | 21,816 | 3 | 5,454 | 818 | 6,272 | - | 250 | 3,478 | 10,000 |
| Engineer (Irri.) | 10/1 | 21,816 | 3 | 5,454 | 818 | 6,272 | - | 250 | 3,478 | 10,000 |

Total: 191,139

1/ Storage of things

Partial funding $136,700 carryover from PIO/T No. 391-296-2-30271 are $77,224 under PIO/T 391-401-2-50082

| | |
|---|---|
| Overhead 25% | 47,785 |
| Grand Total | 238,924 |
| Partial Funding | 213,924 |

Net funding requirement for 2 additional tech. services under this PIO/T 25,000