

TECHNICAL COOPERATION
OF
JAPAN INTERNATIONAL COOPERATION AGENCY
TO
THE PHILIPPINES

AUGUST, 1980



国際協力事業団

| | |
|--------------------|-----------|
| 受入 月日 84. 3. 23 | 118 |
| 登録No. 01775 | 36 PLI |

1. Technical Cooperation of JICA

(thousand yen)

| Type | F.Y. 1976 | F.Y. 1977 | F.Y. 1978 | F.Y. 1979* | F.Y.1954-F.Y.1979 Total* |
|--|----------------------|----------------------|----------------------|----------------------|-----------------------------|
| 1. Training Programme | 213,772 | 313,390 | 348,078 | 355,708 | 2,217,390 |
| 2. Expert Dispatch Programme | 132,473 | 153,790 | 144,085 | 170,130 | 1,096,697 |
| 3. Equipment Supply Programme | - | 28,469 | 14,301 | 30,787 | 176,079 |
| 4. Overseas Technical Cooperation Centre Programme | 12,152 (851) | 278,454 (230,254) | 475,416 (335,945) | 389,273 (213,837) | 1,477,843 (905,162) |
| 5. Health and Medical Cooperation Programme | 194,760 (152,735) | 191,003 (138,866) | 90,440 (60,399) | 115,787 (80,780) | 1,081,497 (793,247) |
| 6. Agriculture and Forestry Cooperation Programme | 80,039 (22,048) | 237,642 (69,714) | 323,118 (161,656) | 344,371 (139,261) | 1,526,818 (715,650) |
| 7. Industrial Development Cooperation Programme | 36,703 (5,947) | 239,123 (175,581) | 99,684 (73,737) | 180,883 (163,615) | 561,508 (418,880) |
| 8. Development Survey Programme | 527,528 | 760,176 | 750,833 | 1,145,975 | 4,345,698 |
| 9. Development Cooperation Programme | 56,149 | 121,404 | 25,315 | 45,681 | 285,795 |
| 10. Japan Overseas Cooperation Volunteers Programme | 236,825 | 234,793 | 227,360 | 367,692 | 2,197,994 |
| Total | 1,490,401 | 2,558,244 | 2,498,630 | 3,146,287 | 14,967,319 |

Note: The figures in parenthesis indicate a total amount of equipment supply in respective programmes.

* Provisional

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2. Technical Cooperation of JICA for 1976 - 1979 by Type

2.1 Training Programme

(persons)

| Sector | F.Y. 1976 | F.Y. 1977 | F.Y. 1978 | F.Y. 1979 | Total |
|--|------------|------------|------------|------------|------------|
| 1. Agriculture | 30 | 34 | 41 | 25 | 130 |
| 2. Fisheries | 13 | 11 | 10 | 12 | 46 |
| 3. Construction | 10 | 15 | 12 | 18 | 55 |
| 4. Heavy Industries | 9 | 12 | 5 | 9 | 35 |
| 5. Mining | 4 | 6 | 2 | 5 | 17 |
| 6. Light Industries | 4 | 5 | 10 | 10 | 29 |
| 7. Chemical Industries | 12 | 12 | 12 | 10 | 46 |
| 8. Public Works | 5 | 7 | 6 | 6 | 24 |
| 9. Transportation | 19 | 26 | 27 | 23 | 95 |
| 10. Postal Services & Telecommunications | 7 | 16 | 17 | 9 | 49 |
| 11. Health & Welfare | 23 | 17 | 23 | 23 | 86 |
| 12. Atomic Energy | - | 1 | - | 4 | 5 |
| 13. Management Technology | 5 | 6 | 2 | 3 | 16 |
| 14. Education | 2 | 2 | - | 9 | 13 |
| 15. Administration | 26 | 30 | 51 | 44 | 151 |
| 16. Others | 3 | 3 | 1 | 3 | 10 |
| Total | 172 | 203 | 219 | 213 | 807 |

Note: The figures indicate the numbers of all the trainees participated in the training programmes in Japan.

2.2 Expert Dispatch Programme

(persons)

| Sector | F.Y. 1976 | F.Y. 1977 | F.Y. 1978 | F.Y. 1979 | Total |
|--|-----------|-----------|-----------|-----------|-------|
| 1. Agriculture | 2 | 3 | 3 | 6 | 14 |
| 2. Fisheries | - | - | - | - | - |
| 3. Construction | 1 | 6 | 3 | 1 | 11 |
| 4. Heavy Industries | 2 | - | 2 | - | 4 |
| 5. Mining | 3 | 5 | - | 5 | 13 |
| 6. Light Industries | - | - | 1 | - | 1 |
| 7. Chemical Industries | 2 | 3 | - | - | 5 |
| 8. Public Works | - | - | - | - | - |
| 9. Transportation | 1 | - | - | 3 | 4 |
| 10. Postal Services & Telecommunications | - | - | 2 | 3 | 5 |
| 11. Health & Welfare | - | - | - | - | - |
| 12. Atomic Energy | - | - | - | - | - |
| 13. Management Technology | 2 | - | - | - | 2 |
| 14. Education | - | 1 | 1 | 1 | 3 |
| 15. Administration | - | 2 | 3 | 1 | 6 |
| 16. Others | - | - | - | 9 | 9 |
| Total | 13 | 20 | 15 | 29 | 77 |

Note: The figures indicate the numbers of the experts dispatched to the Philippines, excluded package type experts.

2.3 Equipment Supply Programme

(thousand yen)

| Equipment | F.Y. 1976 | F.Y. 1977 | F.Y. 1978 | F.Y. 1979* | Total* |
|---|-----------|-----------|-----------|------------|--------|
| 1. Numerical Control Lathe | - | 28,469 | - | - | 28,469 |
| 2. Road Line-Marker Equipment | - | - | 14,301 | - | 14,301 |
| 3. Forestry Products Research Equipment | - | - | - | 13,037 | 13,037 |
| 4. Flood Forecast and Alarm Equipment | - | - | - | 17,750 | 17,750 |
| Total | - | 28,469 | 14,301 | 30,787 | 73,557 |

* Provisional

2.4 Overseas Technical Cooperation Centre Programme

(thousand yen)

(persons) (persons)

| Project | Cooperation Period | Equipment Supply* | Expert | Trainee |
|---|-----------------------|-------------------|--------|---------|
| 1. National Cottage Industry Development Agency | Sept.1966 - Sept.1972 | 124,275 | 17 | 8 |
| 2. Transport Training Centre | Apr. 1977 - Apr. 1981 | 521,759 | 66 | 20 |
| 3. Ceramic Research & Development Centre | Jul. 1976 - Jul. 1982 | 259,128 | 22 | 27 |
| 4. Metal Casting Technology Centre | Jul. 1980 - Jul. 1984 | - | - | - |
| 5. Telecommunication Training Centre | - | - | - | - |
| Total | | 905,162 | 105 | 55 |

* Provisional

2.5 Health and Medical Cooperation Programme

| Project | Cooperation Period | (thousand yen) | (persons) | (persons) |
|-------------------------------------|--------------------------------------|-------------------|-----------|-----------|
| | | Equipment Supply* | Expert | Trainee |
| 1. Cholera Control | Jan. 1967 - Mar. 1974 | 72,374 | 31 | - |
| | Apr. 1974 - Mar. 1977 (Follow-up) | | | |
| 2. Poliomyelitis Control | May 1967 - Mar. 1974 | 170,140 | 10 | - |
| 3. Schistosomiasis Control Research | Aug. 1972 - Mar. 1978 | 162,044 | 60 | 14 |
| | Apr. 1978 - Mar. 1981 (Follow-up) | | | |
| 4. Family Planning | Jul. 1974 - Mar. 1981 | 374,333 | - | 17 |
| 5. Institute of Tropical Medicine | - | - | - | - |
| 6. Other Equipments | - | 14,356 | - | - |
| 7. Medical Adviser Experts | - | - | 6 | - |
| Total | | 793,247 | 107 | 31 |

* Provisional

2.6 Agriculture and Forestry Cooperation Programme

| Project | Cooperation Period | (thousand yen) | (persons) | (persons) |
|---|---|-------------------|-----------|-----------|
| | | Equipment Supply* | Expert | Trainee |
| 1. Rice Production Pilot Farm Project | Jun. 1969 - Jun. 1974 1974 - 1976 (Follow-up) | 228,685 | 17 | - |
| 2. Pilot Project of Cagayan Integrated Agricultural Development | Feb. 1976 - Feb. 1979 Feb. 1979 - Feb. 1982 (M/A) | 295,628 | 19 | 6 |
| 3. Pantabangan Pilot Forest Project | Jun. 1978 - Sept. 1980 | 191,337 | 17 | 6 |
| 4. Bohol Integrated Agricultural Development Project | - | - | - | - |
| Total | | 715,650 | 53 | 12 |

* Provisional

2.7 Industrial Development Cooperation Programme

| Project | Cooperation Period | (thousand yen) | (persons) | (persons) |
|--|-----------------------|-------------------|-----------|-----------|
| | | Equipment Supply* | Expert | Trainee |
| 1. Pantabangan Pilot Forest Project | Jun. 1976 - Jun. 1978 | 174,263 | 10 | 4 |
| 2. Technical Cooperation on the Technological Development for Particle Board | Mar. 1977 - Jan. 1982 | 244,617 | 13 | 14 |
| Total | | 418,880 | 23 | 18 |

* Provisional

2.8 Development Survey Programme

(thousand yen)

| Project | F.Y. 1976 | F.Y. 1977 | F.Y. 1978 | F.Y. 1979* | Total* |
|---|-----------|-----------|-----------|------------|---------|
| 1. Economic and Technical Cooperation Survey (Philippines and others) | 1,381 | 2,772 | 1,433 | 1,047 | 6,633 |
| 2. Manila Subway Construction (Route 1) Project | 5,677 | - | - | - | 5,677 |
| 3. C-3 and R-4 Road Project in Manila | 46,554 | 126,552 | 125 | - | 173,231 |
| 4. Cagayan Integrated Agricultural Development Project (CIADP) | 38,979 | - | - | - | 38,979 |
| 5. Fisheries Resources Development Project | 92,361 | 3,255 | - | - | 95,616 |
| 6. Subic Dockyard and Pan Philippine Highway Ferry Service | 8,550 | - | - | - | 8,550 |
| 7. Grains Terminal Silo Construction Project | 35,769 | 36,242 | - | - | 72,011 |
| 8. Flood Forecasting System (of Cagayan River, Bicol River, etc.) | 51,532 | 50,988 | - | - | 102,520 |
| 9. Pasig-Potorero River Flood Control and Sabo Project | 5,263 | 90,849 | 62,170 | - | 158,282 |
| 10. Bohol Integrated Agricultural Development Project | 5,268 | 95,238 | 22,350 | - | 122,856 |

(thousand yen)

| Project | F.Y. 1976 | F.Y. 1977 | F.Y. 1978 | F.Y. 1979* | Total* |
|---|-----------|-----------|-----------|------------|---------|
| 11. National Hydraulic Research Center | 4,018 | 20,020 | - | - | 24,038 |
| 12. North Luzon Telecommunication Network | - | 35,221 | 34,312 | - | 69,533 |
| 13. Topographic Mapping Project of Cagayan Valley | - | 12,084 | 30,873 | 117,895 | 160,852 |
| 14. Ferryboat Construction Project | - | 4,554 | - | - | 4,554 |
| 15. Ilocos Norte Irrigation Project | - | 21,162 | 146,584 | 98,707 | 266,453 |
| 16. Fishing Ports Project | - | 14,710 | 19,802 | - | 34,512 |
| 17. Mayon Volcano Erosion Control Project | - | - | 4,101 | 79,975 | 84,076 |
| 18. Manila-Bataan Coastal Road, C-5 and C-6 Road Project | - | - | 41,193 | 126,918 | 168,111 |
| 19. Hospital Development Project | - | - | 19,146 | 62,968 | 82,114 |
| 20. Urban Transport Project in Davao | - | - | 3,151 | 62,578 | 65,729 |
| 21. Integrated Equipment Library Research Training Center in Technology University of Philippines | - | - | 21,039 | 18,673 | 39,712 |
| 22. Institute of Tropical Medicine | - | - | 20,366 | 16,747 | 37,113 |

(thousand yen)

| Project | F.Y. 1976 | F.Y. 1977 | F.Y. 1978 | F.Y. 1979* | Total* |
|--|-----------|-----------|-----------|------------|---------|
| 23. Bohol Integrated Area Development | - | - | 12,470 | 85,086 | 97,556 |
| 24. Telecommunication Network in Central Luzon | - | - | - | 3,294 | 3,294 |
| 25. Matuno River Multipurpose Project | - | - | - | 6,765 | 6,765 |
| 26. Pampanga Delta and Candaba Swamp Development Project | - | - | - | 4,478 | 4,478 |
| 27. Training and Research Vessel for the College of Fisheries, University of the Philippines | - | - | - | 13,739 | 13,739 |
| 28. Indo-China Refugees Processing Centre Project | - | - | - | 9,224 | 9,224 |
| 29. Project Finding for Industry, Mining and Power (Philippines and others) | - | 257 | 449 | 795 | 1,501 |
| 30. Cagayan Valley Electrification | 18,654 | 28,577 | - | - | 47,231 |
| 31. Geological and Mineral Survey in Northwest Luzon | 194,697 | 88,845 | 22,684 | 100,230 | 406,456 |
| 32. Construction of Integrated Steel Mill Plant (Mindanao Isd.) | 18,825 | 76,633 | 76,747 | 68,005 | 240,210 |
| 33. Mine Tailing Disposal System in the Baguio Mining District | - | 52,217 | 6,005 | - | 58,222 |

(thousand yen)

| Project | F.Y. 1976 | F.Y. 1977 | F.Y. 1978 | F.Y. 1979* | Total* |
|---|-----------|-----------|-----------|------------|-----------|
| 34. Super Phosphate Fertilizer Project | - | - | 2,563 | - | 2,563 |
| 35. Construction of Phosphate Fertilizer Plant | - | - | 65,674 | 6,900 | 72,574 |
| 36. Agos River Hydro-Electric Power Project | - | - | 26,598 | 118,456 | 145,054 |
| 37. Upper Cagayan River (Didyon site) Hydro-Electric Power Project | - | - | 109,803 | 83,660 | 193,463 |
| 38. Follow up Survey (Philippines and others) | - | - | 1,195 | 797 | 1,992 |
| 39. Exploration and Development of Geothermal Energy | - | - | - | 11,168 | 11,168 |
| 40. Visayas Power Interconnection Project -Feasibility study- | - | - | - | 38,332 | 38,332 |
| 41. EHV Transmission System Development Project in the Luzon Island | - | - | - | 9,538 | 9,538 |
| Total | 527,528 | 760,176 | 750,833 | 1,145,975 | 3,184,512 |

* Provisional

2.9 Development Cooperation Programme

(thousand yen)

| Project | F.Y. 1976 | F.Y. 1977 | F.Y. 1978 | F.Y. 1979* | Total* |
|--|-----------|-----------|-----------|------------|---------|
| 1. Basic Survey | | | | | |
| (1) Forestry Development Project in Pantabangan | 33,747 | 49,880 | 3,125 | - | 86,752 |
| (2) Appari Iron-Sand Development Project | 22,402 | 28,033 | - | - | 50,435 |
| (3) Dolomite Mine Development Project in Cebu Island | - | 40,038 | - | - | 40,038 |
| (4) Pioneer Iron Mine Development Project | - | - | 17,132 | 24,089 | 41,221 |
| (5) Castor Development Project in Mindanao Island | - | - | 4,961 | 2 | 4,963 |
| (6) The EAC Ferro-Silicon Project | - | - | - | 16,547 | 16,547 |
| 2. Financial Cooperation Survey | - | 3,453 | 97 | 2,405 | 5,955 |
| 3. Technical Guidance | - | - | - | 2,638 | 2,638 |
| Total | 56,149 | 121,404 | 25,315 | 45,681 | 248,549 |

* Provisional

2.10 Japan Overseas Cooperation Volunteers Programme

(persons)

| Sector | F.Y. 1976 | F.Y. 1977 | F.Y. 1978 | F.Y. 1979 | Total |
|--|-----------|-----------|-----------|-----------|-------|
| 1. Agriculture | 9 | 9 | 10 | 14 | 42 |
| 2. Fisheries | 3 | - | - | 4 | 7 |
| 3. Construction | 3 | - | 1 | - | 4 |
| 4. Heavy Industries | 1 | 4 | 8 | 1 | 14 |
| 5. Mining | - | - | - | - | - |
| 6. Light Industries | 1 | 1 | - | - | 2 |
| 7. Chemical Industries | - | 3 | 1 | 2 | 6 |
| 8. Public Works | - | 1 | - | - | 1 |
| 9. Transportation | 2 | 1 | 1 | - | 4 |
| 10. Postal Services & Telecommunications | 2 | 1 | - | 5 | 8 |
| 11. Health & Welfare | 2 | - | 1 | 3 | 6 |
| 12. Atomic Energy | - | - | - | - | - |
| 13. Management Technology | - | - | - | - | - |
| 14. Education | 1 | 1 | 4 | 1 | 7 |
| 15. Administration | - | - | 2 | 4 | 6 |
| 16. Others | 2 | 1 | 2 | - | 5 |
| Total | 26 | 22 | 30 | 34 | 112 |

