

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
 Prepared by the JICA Study Team, 1993-1994

(1/2)

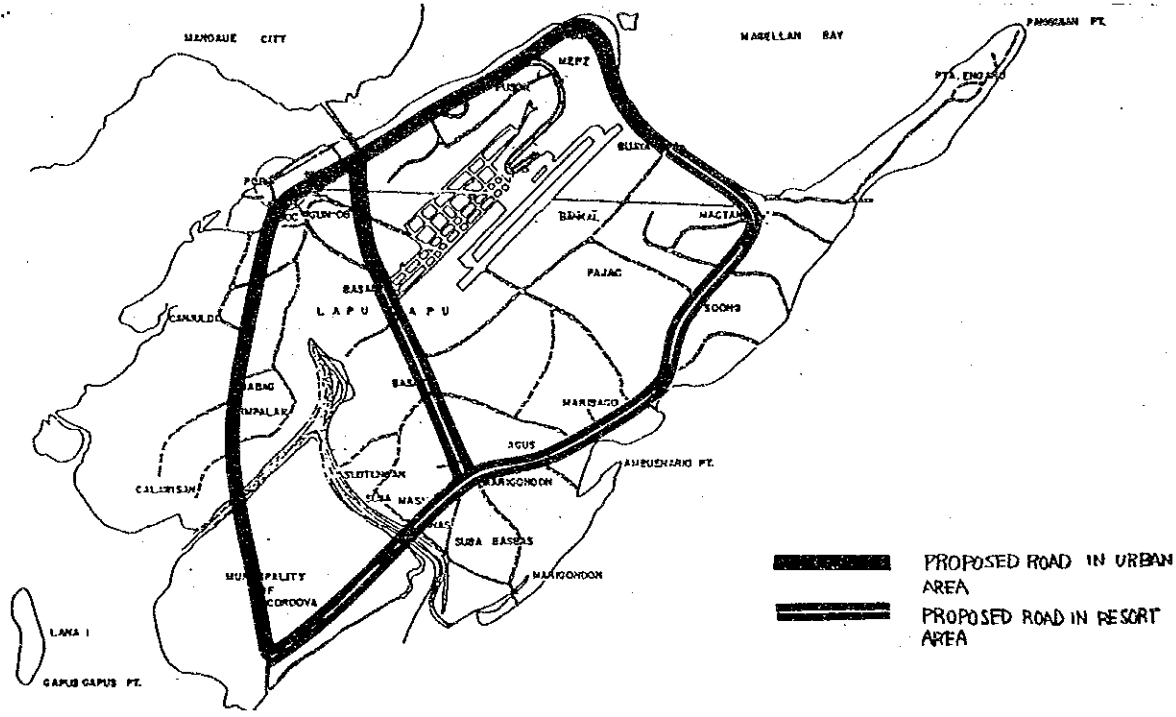
Project No. LT-09	Project Title MACTAN SCENIC TOURIST ROAD PROJECT		Economic Sector Infrastructure
Project Location Mactan Island		Project Priority <input checked="" type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5 Years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives		2. Target Beneficiaries	
<ul style="list-style-type: none"> - to beautify the street scenery to prove resort amenities - to widen the existing ring road in order to support various urban activities and MEPZ operations 		<ul style="list-style-type: none"> - Mactan Island populace - firms and employees in MEPZ - resort hotels and their guests - Mactan International Airport users - public transit operators and truckers 	
3. Project Description		4. Expected Benefits / Outputs	
<ul style="list-style-type: none"> - Road widening from 4-6 m to 12 m in resort area and 20 m in urban area - In urban area, the road is designed to be 4-lane with concrete pavement - In resort area, the road is designed to be 2-lane and one shoulder sidewalk with asphalt pavement - Road length is 25.4 km (urban: 13 km, resort: 17 km) 		<ul style="list-style-type: none"> - shortening travel time and reduction in vehicle operating cost - alleviation of daily traffic congestion - secure accessibility to Mactan International Airport and smooth operations of MEPZ firms - provision of favorable scenery and comfortable drive 	
5. Important Assumptions / Conditions for the Project		6. Project Linkages / Other Sector Linkages	
Mactan Ring Road is one component of the on-going MCDP II. But it is designed to be only 2-lane and 10 m width without any considerations for tourism development. Therefore, the project scheme should be modified.		(LT-10) 2nd Mandaue-Mactan Bridge and Its Approaches with Industrial Sector: MEPZ expansion with Tourism Sector : Mactan tourism development	
7. Estimated Investment Requirement (In 1993 prices)		8. Implementing Agency/Body	
For Project Implementation in Total : <u>1,460</u> Mill. Pesos 1) Road Improvement in Urban Area <u>780</u> Mill. Pesos 2) Road Improvement in Resort Area <u>680</u> Mill. Pesos 3) <u> </u> Mill. Pesos For Annual Recurrent Expenditure for O & M: <u>3.0</u> Mill. Pesos		MCDP	
10. A Provisional Scheme for Fund Procurement		9. Relevant Agencies to Be Coordinated	
<input checked="" type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: <u>70</u> %) <input checked="" type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		DPWH, Lapulapu City, Cordova	
11. Private Sector Participation		12. Environmental Measures	
Hotel and resort operators shall be involved in the scenic road development. Signs and advertisement billboards shall be well-coordinated.		Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input checked="" type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	
		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

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Project No. LT-09	Project Title MACTAN SCENIC TOURIST ROAD PROJECT
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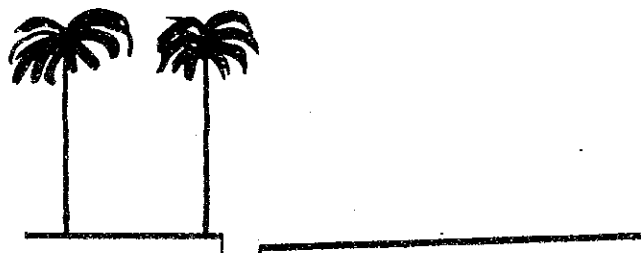
13. Verifiable Indicators / Information / Drawings



(ROAD SECTION IN URBAN AREA — 30M WIDTH)



(ROAD SECTION IN RESORT AREA — 12M WIDTH)



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input checked="" type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input checked="" type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input checked="" type="checkbox"/> National Government Involvement</p> <p><input checked="" type="checkbox"/> Initiatives of Local Government Units</p> <p><input checked="" type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input checked="" type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input checked="" type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	<p>The private sector shall make special contributions to the maintenance of the tourist scenic road.</p>

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Project No. LT-10	Project Title CEBU ISLAND TRANS-CENTRAL HIGHWAY (CEBU-BALAMBAN)		Economic Sector Infrastructure
Project Location Cebu-Balamban		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 3 Years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives <ul style="list-style-type: none"> - to support the Western Coastal Industrial development - to expand urbanization trend from Metro Cebu to western municipalities - to supplement the East-West Main Link (Toledo-Talisay/Naga) 		2. Target Beneficiaries <ul style="list-style-type: none"> - road users - residents along the road 	
3. Project Description Improvement of existing mountainous road and replacement of existing bridges stretching from Cebu City to Balamban. Total Length : 40.5 km Road Width : 6.7 m No. of Bridges : 7		4. Expected Benefits / Outputs <ul style="list-style-type: none"> - shortening travel time and reduction in vehicle operating cost 	
5. Important Assumptions / Conditions for the Project D/E study is scheduled to complete in April 1994 by DPWH.		6. Project Linkages / Other Sector Linkages Industrial development of the Western Sea-Board, and: (LT-01) Cebu Island Circumferential Road (LT-02) East-West Main Link	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ 272 _____ Mill. Pesos 1) Construction _____ 246 _____ Mill. Pesos 2) Detailed Engineering _____ 10 _____ Mill. Pesos 3) Supervision, Administration _____ 16 _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ 2 _____ Mill. Pesos		8. Implementing Agency/Body DPWH	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: _____ 50 _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated Balamban Municipality and Cebu City Government	
11. Private Sector Participation None		12. Environmental Measures Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input checked="" type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input checked="" type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	
Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input checked="" type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16)			

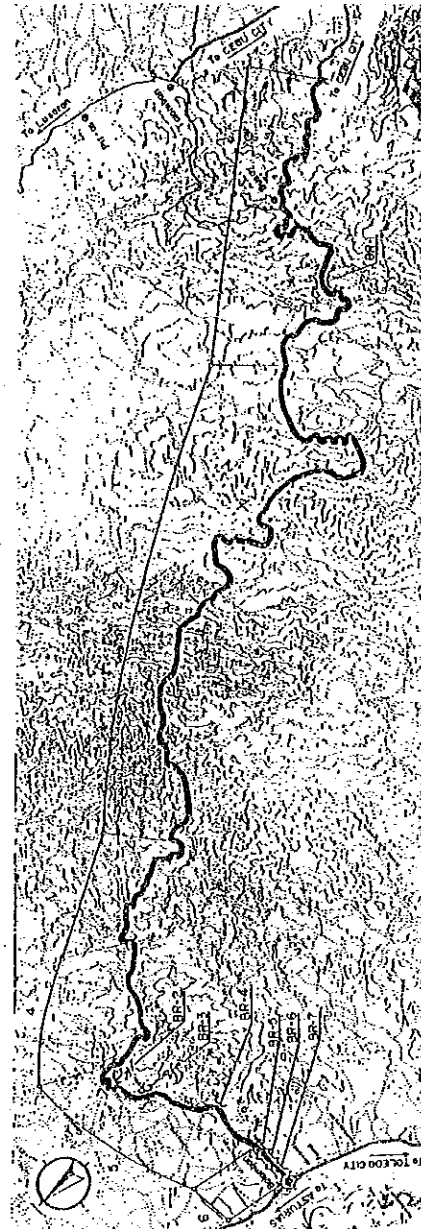
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Project No. LT-10	Project Title CEBU ISLAND TRANS-CENTRAL HIGHWAY (CEBU-BALAMBAN)
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13. Verifiable Indicators / Information / Drawings

Road Classification	Secondary Major Roads (Provincial Road)						
	40.50 Km						
Total Length	1	2	3	4	5	6	7
Sub-section No.							
Length (km)	10.5	15.0	2.4	6.7	4.7	1.2	
Terrain	Mc'neous	Mc'neous	Mc'neous	Mc'neous	Rolling	Flat	
Existing Road Surface	6.1-PCC (Good)	3.0-GRV (Fair)	non-edust. 4.0-GRV (Bad)	5.0-GRV (Bad)	5.0-GRV (Bad)		
Proposed Improvement	-	Imp-1	Imp-1	Imp-1	Imp-1	Imp-1	
Surface Type	-	PCC	PCC	PCC	PCC	PCC	
Carriageway Width (m)	-	6.7	6.7	6.7	6.7	6.7	
Shoulder Width (m)	-	1.5	1.5	1.5	1.5	1.5	
Ref. Typical Section	-	Type 2-2	Type 2-2	Type 2-2	Type 2-2	Type 2-2	Type 2-2
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5	BR-6	BR-7
Existing Type	RCCG	Bailey	RCS	Bailey	Bailey	Timber	Timber
Length (m)	14.0	45.0	7.0	18.0	12.0	8.5	7.8
Proposed Type	-	RCCG	RCCG	RCCG	RCCG	RCCG	RCCG
Length (m)	-	45.0	12.0	18.0	15.0	-	-
No. of Spans	-	3	1	1	1	-	-



Source : I/P for the Cebu Transcentral Highway Project
 (DPWH, July 1992)

14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
Functional Level <input type="checkbox"/> Island Minimum Project <input checked="" type="checkbox"/> Island Basic Project <input type="checkbox"/> Island Strategic Project Project Orientation <input type="checkbox"/> Regional Economic Drive <input checked="" type="checkbox"/> Social Development Drive <input type="checkbox"/> Environmental Drive	<input checked="" type="checkbox"/> National Government Involvement <input checked="" type="checkbox"/> Initiatives of Local Government Units <input type="checkbox"/> Institutional Arrangement at Local Level <input type="checkbox"/> Special Financial Building at Local Level <input checked="" type="checkbox"/> Special Fund Allocation by Central Government <input checked="" type="checkbox"/> International Financial Assistance (Grant) <input checked="" type="checkbox"/> International Financial Assistance (Loan) <input type="checkbox"/> Private Sector Participation in Funding <input checked="" type="checkbox"/> Maximum Utilization of Local Technologies <input checked="" type="checkbox"/> International Technical Assistance <input type="checkbox"/> Others (as specified in Box)	Erosion protection works for cut-slopes and shoulders should be undertaken. This may call for international technical/financial assistance.

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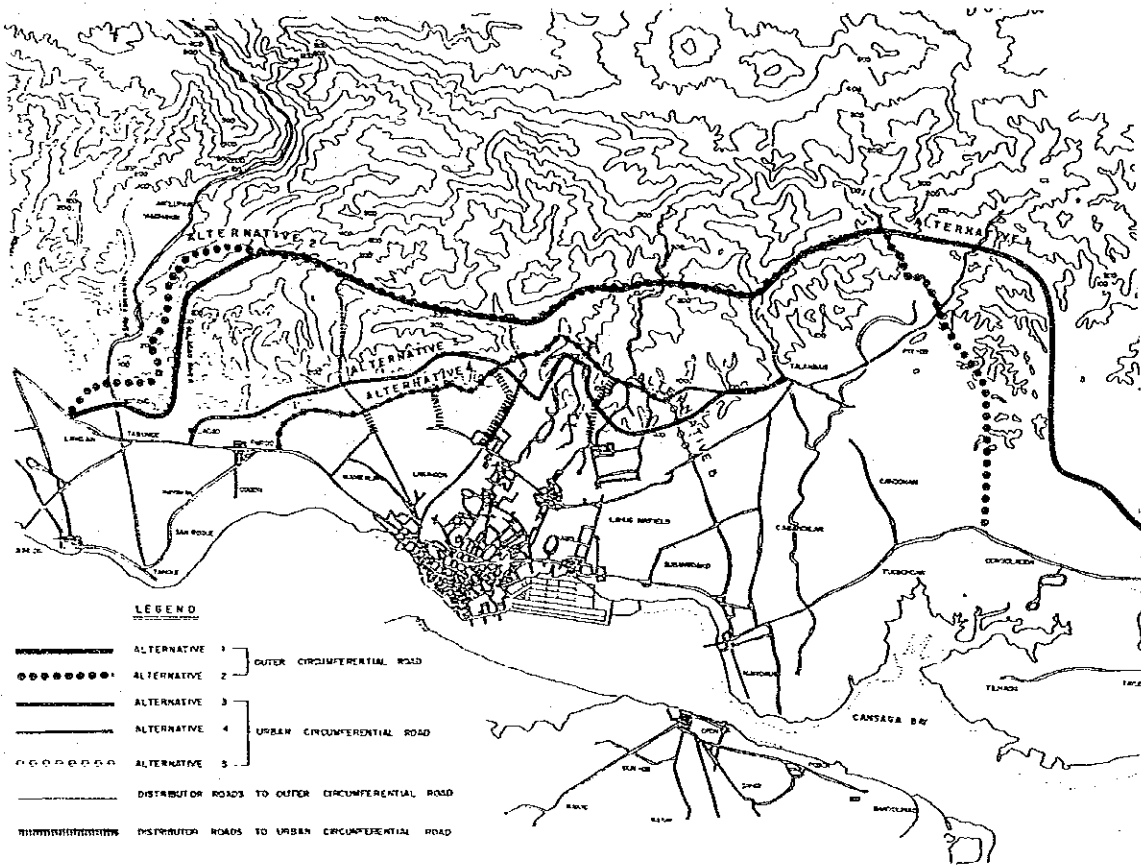
Project No. LT-11/LT-18	Project Title METRO CEBU CIRCUMFERENTIAL ROADS	Economic Sector Infrastructure
Project Location Metro Cebu hilly area		Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="checked" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others
Project Priority <input type="checkbox"/> Urgent <input checked="checked" type="checkbox"/> Medium-term <input checked="checked" type="checkbox"/> Long-term		Project Duration 5 Years
1. Summary of Objectives <ul style="list-style-type: none"> - to provide hilly bypass routes in Metro Cebu for decongestion of urban traffic flows - to provide upland residents with access roads, and accelerate urbanization 		
2. Target Beneficiaries <ul style="list-style-type: none"> - road users - residents along roads - housing developers along roads 		
3. Project Description <ul style="list-style-type: none"> - urban Circumferential Road : 12.7 km, 4 lanes, 1 tunnel and 1 bridge. - outer Circumferential Road : 40 km, 2 lanes, 2 tunnels and 6 or 7 bridges. 		
4. Expected Benefits / Outputs <ul style="list-style-type: none"> - shortening travel time and reduction in vehicle operating cost - alleviating traffic congestion in Cebu CBD 		
5. Important Assumptions / Conditions for the Project Environmental Impact Assessment (EIA) should be conducted prior to implementation.		
6. Project Linkages / Other Sector Linkages Metro Cebu Urban development should be linked, and (LT-03) Metro Cebu Public Transit Corridor (LT-10) Transcentral Highway		
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ Mill. Pesos 1) Urban Circumferential Road <u>10.8 Billion</u> Mill. Pesos 2) Outer Circumferential Road <u>unknown</u> Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: (Urban Circumferential Road only) <u>3</u> Mill. Pesos		
8. Implementing Agency/Body MCDP		
9. Relevant Agencies to Be Coordinated DPWH, LGUs		
10. A Provisional Scheme for Fund Procurement <input checked="checked" type="checkbox"/> Central Government <input checked="checked" type="checkbox"/> Local Government <input checked="checked" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>70</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		
11. Private Sector Participation None		
12. Environmental Measures		
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> Technical Measures: <ul style="list-style-type: none"> <input checked="checked" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="checked" type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input checked="checked" type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16) </div> <div style="width: 48%;"> Administrative Measures <ul style="list-style-type: none"> <input checked="checked" type="checkbox"/> Adjust with Land Use Zoning <input checked="checked" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="checked" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir! Awareness <input type="checkbox"/> Others (as specified in Box 16) </div> </div>		

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Project No. LT-11/LT-18	Project Title METRO CEBU CIRCUMFERENTIAL ROADS
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13. Verifiable Indicators / Information / Drawings



Source : Detailed Engineering Design of the MCDP #1

14. Project Classification	15. Necessary Inputs/Arrangemnt	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input checked="" type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input checked="" type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input checked="" type="checkbox"/> National Government Involvement</p> <p><input checked="" type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input checked="" type="checkbox"/> Special Financial Building at Local Level</p> <p><input checked="" type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input checked="" type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	<p>Erosion protection work should be undertaken by introduction of an advanced technologies.</p>

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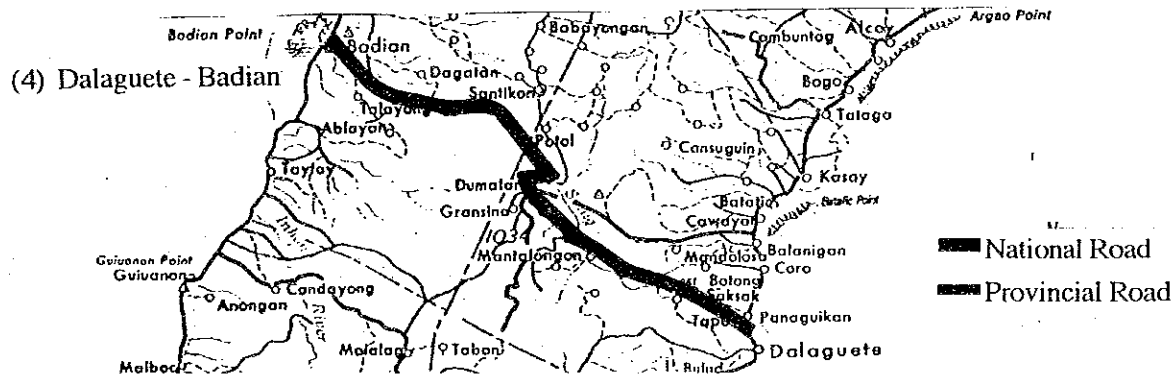
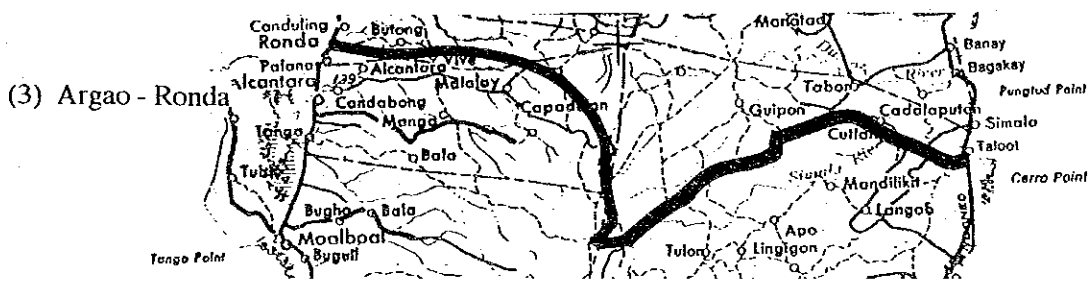
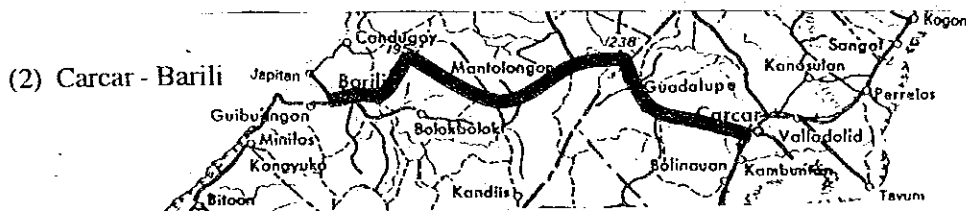
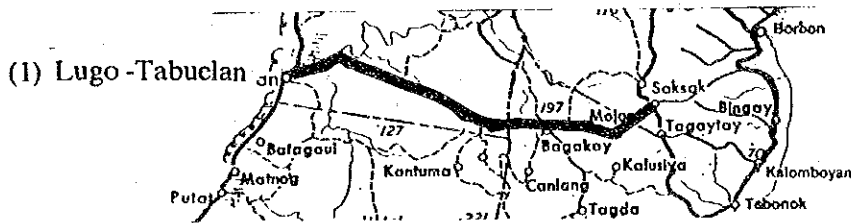
Project No. LT-12	Project Title EAST - WEST SUB-LINKS		Economic Sector Infrastructure
Project Location Cebu Island		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5 Years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives <ul style="list-style-type: none"> - to integrate the eastern and western coast economies - to serve minimum East-West inland connections with good paved surface for vehicular traffic in addition to the East-West Main Link. 		2. Target Beneficiaries <ul style="list-style-type: none"> - residents along roads - inland farmers - public transit operators and truckers - tourism developers 	
3. Project Description The following four roads are identified to be east-west sub links. They are all existing and need rehabilitation works except Carcar-Barili. They will be paved with 2-lane carriageway. (1) Lugo-Tabuelan (18.4 km) (2) Carcar-Barili (24.5 km) (3) Argao-Ronda (40.6 km) (4) Dalaguete-Badian (34.0 km)		4. Expected Benefits / Outputs <ul style="list-style-type: none"> - shortening travel time and reduction in vehicle operating cost - distribution of agricultural products - easy access to Tuburan and Dumanjug Ports - easy access to small tourist destinations such as Badian beach resort and Dalaguete mountain resort 	
5. Important Assumptions / Conditions for the Project Carcar-Barili Road was recently rehabilitated in assistance with ADB. Dalaguete-Badian Road and part of Argao-Ronda Road are inclusive of the Medium-Term Investment Program prepared by DPWH. Moreover, there are some resolutions from LGUs concerning above two roads.		6. Project Linkages / Other Sector Linkages Agricultural development should be linked, and (LT-01) Cebu Island Circumferential Road	
7. Estimated Investment Requirement (In 1993 prices) For Project Implementation in Total : _____ 509 Mill. Pesos 1) Lugo-Tabuelan _____ 114 Mill. Pesos 2) Argao-Ronda _____ 262 Mill. Pesos 3) Dalaguete-Badian _____ 133 Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ 41 Mill. Pesos		8. Implementing Agency/Body DPWH / Provincial Government	
9. Relevant Agencies to Be Coordinated Relevant Municipalities		10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others	
11. Private Sector Participation None		12. Environmental Measures Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input checked="" type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	
Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16)			

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Project No. LT-12	Project Title EAST - WEST SUB LINKS
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13. Verifiable Indicators / Information / Drawings



National Road
 Provincial Road

14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input checked="" type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input type="checkbox"/> Regional Economic Drive</p> <p><input checked="" type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input checked="" type="checkbox"/> National Government Involvement</p> <p><input checked="" type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input checked="" type="checkbox"/> Special Financial Building at Local Level</p> <p><input checked="" type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input checked="" type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	

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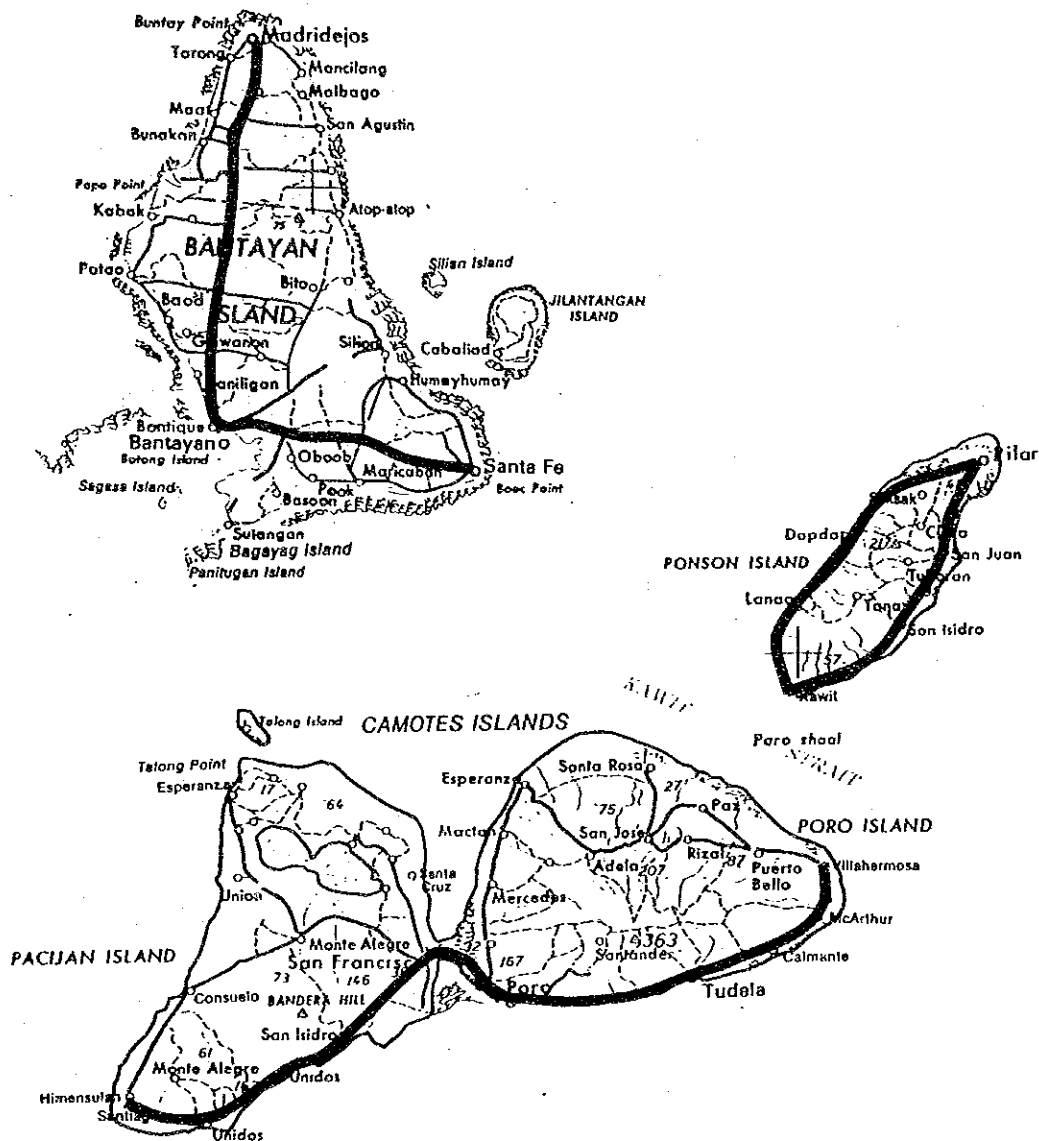
Project No. LT-13	Project Title REMOTE ISLANDS MAIN ROADS IMPROVEMENT PROJECT		Economic Sector Infrastructure
Project Location Bantayan Island		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5 Years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives - to improve the economic infrastructure - to develop the remote islands		2. Target Beneficiaries All the islanders.	
3. Project Description For Camotes Island - concreting on gravel surface section and rehabilitation on damaged section of San Francisco-Poro-Tudela Road - concreting entire Pilar Circumferential Road Total Length : 56 km - San Francisco-Poro-Tudela Road: 37 km - Pilar Circumferential Road: 26 km For Bantayan Island - connection of three poblacions with paved 2-lane carriageway - overlaying provincial road stretching from Sta. Fe to Madridejos via Bantayan		4. Expected Benefits / Outputs - support of daily island activities - distribution of agricultural products - easy access to poblacions and ports - tourism development	
5. Important Assumptions / Conditions for the Project Poro Port Improvement Project was conducted by DPWH in 1993 with P11.2 M. There are about 20 wooden bridges in Pilar which are obsolete and interfering economic activities. Therefore, reconstruction of these bridges should be prioritized.		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ 458 _____ Mill. Pesos 1) San Francisco-Poro-Tudela Road _____ 146 _____ Mill. Pesos 2) Pilar Circumferential Road _____ 156 _____ Mill. Pesos 3) Bantayan Island Road _____ 156 _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ 2.2 _____ Mill. Pesos		8. Implementing Agency/Body Province	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____%) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated	
11. Private Sector Participation None		12. Environmental Measures Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input checked="" type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	
Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16)			

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Project No. LT-13	Project Title REMOTE ISLANDS MAIN ROADS IMPROVEMENT PROJECT
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13. Verifiable Indicators / Information / Drawings



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
Functional Level <input checked="" type="checkbox"/> Island Minimum Project <input type="checkbox"/> Island Basic Project <input type="checkbox"/> Island Strategic Project Project Orientation <input type="checkbox"/> Regional Economic Drive <input checked="" type="checkbox"/> Social Development Drive <input type="checkbox"/> Environmental Drive	<input type="checkbox"/> National Government Involvement <input checked="" type="checkbox"/> Initiatives of Local Government Units <input checked="" type="checkbox"/> Institutional Arrangement at Local Level <input checked="" type="checkbox"/> Special Financial Building at Local Level <input type="checkbox"/> Special Fund Allocation by Central Govern't <input type="checkbox"/> International Financial Assistance (Grant) <input type="checkbox"/> International Financial Assistance (Loan) <input type="checkbox"/> Private Sector Participation in Funding <input checked="" type="checkbox"/> Maximum Utilization of Local Technologies <input checked="" type="checkbox"/> International Technical Assistance <input type="checkbox"/> Others (as specified in Box)	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
Prepared by the JICA Study Team, 1993-1994

(1/2)

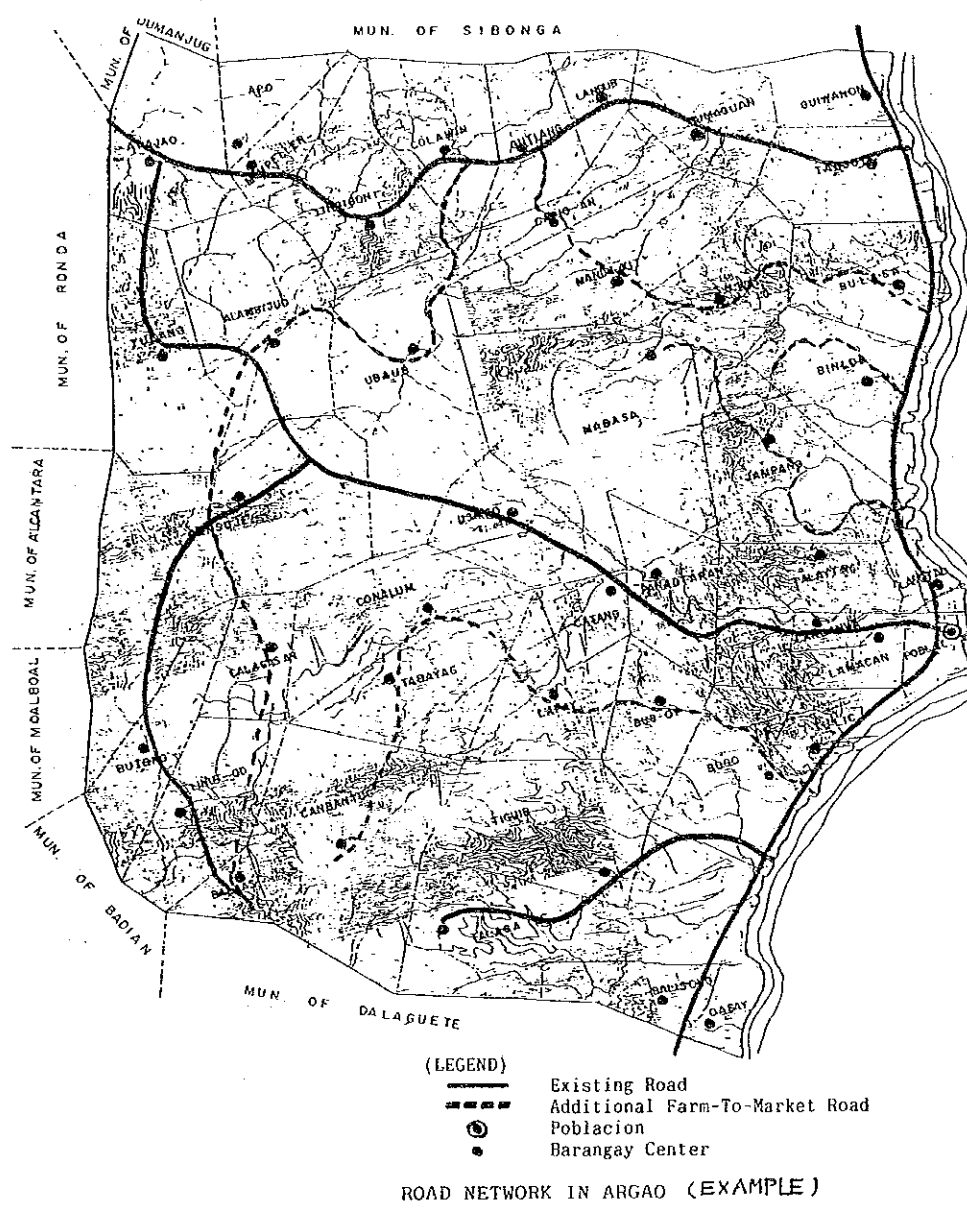
Project No. LT-14	Project Title BARANGAY AND MUNICIPAL ROADS IMPROVEMENT PROGRAM		Economic Sector Infrastructure
Project Location Whole Province except Cities		Project Priority <input checked="" type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 20 Years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives <ul style="list-style-type: none"> - to develop rural communities and support agricultural and social activities - to construct and maintain necessary farm-to-market roads in order to meet local needs 		2. Target Beneficiaries Rural people over the province.	
3. Project Description <ul style="list-style-type: none"> - Improvement and rehabilitation of existing barangay roads (total length is 2,874 km) and municipal roads (total length is 650 km). - Construction of new farm-to-market roads of 945 km. - Some heavy traffic roads will be paved while others will keep good gravel surface. - "Cebu South Vegetable Basket Roads" are included (refer to Box 16) 		4. Expected Benefits / Outputs <ul style="list-style-type: none"> - easy access to barangay centers, public markets and poblacions - increase in vehicular traffic and public transport services - support of agricultural and other daily traffic 	
5. Important Assumptions / Conditions for the Project Local roads must be taken care of by the corresponding Local Government Units under the Local Government Code.		6. Project Linkages / Other Sector Linkages Agricultural, social services development should be associated. This program is linked directly with (LT-15) Multi-Purpose District Center Project	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ 4,180 Mill. Pesos 1) Rehabilitation/Resurfacing _____ 2,650 Mill. Pesos 2) Opening _____ 1,530 Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ 50 Mill. Pesos		8. Implementing Agency/Body Barangays/Municipalities	
		9. Relevant Agencies to Be Coordinated Cebu Provincial Government	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: 50 %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		11. Private Sector Participation None	
12. Environmental Measures			
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input checked="" type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

PROPOSED PROJECT PROFILE
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Project No. LT-14	Project Title BARANGAY AND MUNICIPAL ROADS IMPROVEMENT PROJECT
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13. Verifiable Indicators / Information / Drawings



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input checked="" type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input type="checkbox"/> Regional Economic Drive</p> <p><input checked="" type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input checked="" type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input checked="" type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input checked="" type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	<p>"Cebu South Vegetable Basket Roads" consists of:</p> <ol style="list-style-type: none"> 1) Sibonga-Dumanjug (27.8 km) 2) Alcoy-Alegria (21.2 km) 3) Boljoon-Malabuyoc (24.5 km) 4) Oslob-Samboan (14.1 km)

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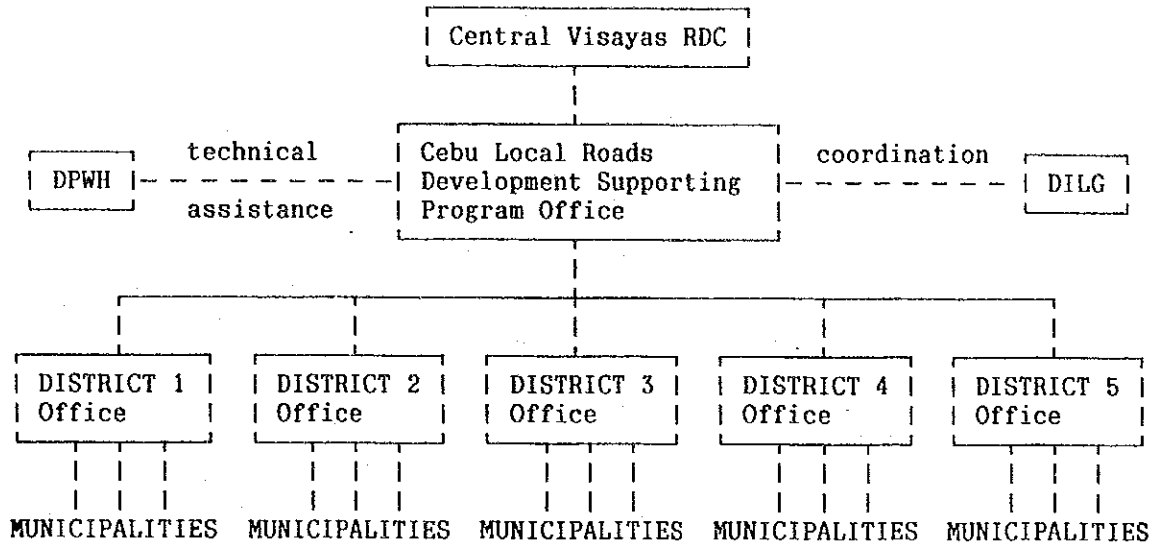
Project No. LT-15	Project Title MULTIPURPOSE DISTRICT CENTERS (CONSTRUCTION AND MAINTENANCE DEPOT) DEVELOPMENT PROJECT		Economic Sector Local Administration																				
Project Location Whole Province except Cities		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 20 Years																				
<table border="1"> <tr> <td>1. Summary of Objectives to establish new organization in order to support local roads' construction and maintenance works which are undertaken by LGUs with utilization of local people.</td> <td>2. Target Beneficiaries Rural people over the Province and Local Government Administrations</td> </tr> <tr> <td>3. Project Description Five District Offices will be established at Congressional Districts. The District Offices have the necessary equipment and personnel to provide the following services: - renting equipment to barangays/municipalities - training local people who engage in civil works - supervising civil works - formulating barangay (municipality) development plans</td> <td>4. Expected Benefits / Outputs - facilitating barangay road construction - maintaining good road conditions - reduction in construction and maintenance costs (about 40% of total cost) - provision of job opportunity to local people - enhancement of local people's capability</td> </tr> <tr> <td>5. Important Assumptions / Conditions for the Project The Project Office of this program is proposed to be set up by the Provincial Government.</td> <td>6. Project Linkages / Other Sector Linkages (LT-14) Barangay and Municipal Roads Improvement Program</td> </tr> <tr> <td>7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ 281 _____ Mill. Pesos 1) Equipment _____ 231 _____ Mill. Pesos 2) Building of 5 District Offices _____ 50 _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ 52 _____ Mill. Pesos</td> <td>8. Implementing Agency/Body Cebu Provincial Government</td> </tr> <tr> <td>10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: _____ 70 _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others</td> <td>9. Relevant Agencies to Be Coordinated DPWH / LGUs</td> </tr> <tr> <td colspan="2">11. Private Sector Participation Involvement of local constructors</td> </tr> <tr> <td colspan="4">12. Environmental Measures</td> </tr> <tr> <td colspan="2"> Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16) </td> <td colspan="2"> Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16) </td> </tr> </table>				1. Summary of Objectives to establish new organization in order to support local roads' construction and maintenance works which are undertaken by LGUs with utilization of local people.	2. Target Beneficiaries Rural people over the Province and Local Government Administrations	3. Project Description Five District Offices will be established at Congressional Districts. The District Offices have the necessary equipment and personnel to provide the following services: - renting equipment to barangays/municipalities - training local people who engage in civil works - supervising civil works - formulating barangay (municipality) development plans	4. Expected Benefits / Outputs - facilitating barangay road construction - maintaining good road conditions - reduction in construction and maintenance costs (about 40% of total cost) - provision of job opportunity to local people - enhancement of local people's capability	5. 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A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: _____ 70 _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others	9. Relevant Agencies to Be Coordinated DPWH / LGUs	11. Private Sector Participation Involvement of local constructors		12. Environmental Measures				Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	
1. Summary of Objectives to establish new organization in order to support local roads' construction and maintenance works which are undertaken by LGUs with utilization of local people.	2. Target Beneficiaries Rural people over the Province and Local Government Administrations																						
3. Project Description Five District Offices will be established at Congressional Districts. The District Offices have the necessary equipment and personnel to provide the following services: - renting equipment to barangays/municipalities - training local people who engage in civil works - supervising civil works - formulating barangay (municipality) development plans	4. Expected Benefits / Outputs - facilitating barangay road construction - maintaining good road conditions - reduction in construction and maintenance costs (about 40% of total cost) - provision of job opportunity to local people - enhancement of local people's capability																						
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7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ 281 _____ Mill. Pesos 1) Equipment _____ 231 _____ Mill. Pesos 2) Building of 5 District Offices _____ 50 _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ 52 _____ Mill. Pesos	8. Implementing Agency/Body Cebu Provincial Government																						
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: _____ 70 _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others	9. Relevant Agencies to Be Coordinated DPWH / LGUs																						
11. Private Sector Participation Involvement of local constructors																							
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Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16)																					

PROPOSED PROJECT PROFILE
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Project No. LT-15	Project Title MULTIPURPOSE DISTRICT CENTERS (CONSTRUCTION AND MAINTNEANCE DEPOT) DEVELOPMENT PROJECT
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13. Verifiable Indicators / Information / Drawings



ORGANIZATIONAL STRUCTURE

EQUIPMENT PREPARATION LIST BY DISTRICT OFFICE

- Dump Truck (medium size) : 5 units
- Bulldozer (medium size) : 2 units
- Grader : 1 unit
- Steel Roller : 1 unit
- Pneumatic Roller : 1 unit
- Loder (bucket 3m³) : 1 unit
- Backhoe Excavator : 1 unit
- Concrete Mixer : 2 units
- Water Tank Truck : 1 unit
- Prime-mover : 1 unit

14. Project Classification	15. Necessary Inputs/Arrangemnt	16. Special Considerations
Functional Level <input checked="" type="checkbox"/> Island Minimum Project <input type="checkbox"/> Island Basic Project <input type="checkbox"/> Island Strategic Project Project Orientation <input checked="" type="checkbox"/> Regional Economic Drive <input checked="" type="checkbox"/> Social Development Drive <input type="checkbox"/> Environmental Drive	<input checked="" type="checkbox"/> National Government Involvement <input checked="" type="checkbox"/> Initiatives of Local Government Units <input checked="" type="checkbox"/> Institutional Arrangement at Local Level <input checked="" type="checkbox"/> Special Financial Building at Local Level <input checked="" type="checkbox"/> Special Fund Allocation by Central Govern't <input checked="" type="checkbox"/> International Financial Assistance (Grant) <input checked="" type="checkbox"/> International Financial Assistance (Loan) <input type="checkbox"/> Private Sector Participation in Funding <input checked="" type="checkbox"/> Maximum Utilization of Local Technologies <input type="checkbox"/> International Technical Assistance <input type="checkbox"/> Others (as specified in Box)	

PORT AND HARBOR

Port and Harbor

Short- and Medium-Term Projects and Programs (Up to 2005)

- *PH01:** Rehabilitation and Improvement of Cebu Port and Cebu International Port (CIP)
- PH02:** Industrial Port Improvement Project - Phase I (linked with IN03, IN07, UD08 and UD09) in Toledo, Carmen and Mandaue
- *PH03:** Regional Ferry Port Facilities Rehabilitation and Improvement Project Phase I (linked with TM05)
- *PH04:** Feasibility Study of the Expansion of Cebu Port (Second Cebu International Port)
- PH05:** Tourist Piers/Ports Development Project (linked with PH03 and TM05)

Long-Term Projects and Programs (2005-2010)

- PH06:** Second Cebu International Port Construction Project, based on PH04 (linked with UD12 and TM11)
- PH07:** Industrial Port Construction Projects - Phase II (linked with IN10 and UD18)
- PH08:** Regional Ferry Port Facilities Rehabilitation and Improvement Projects Phase II

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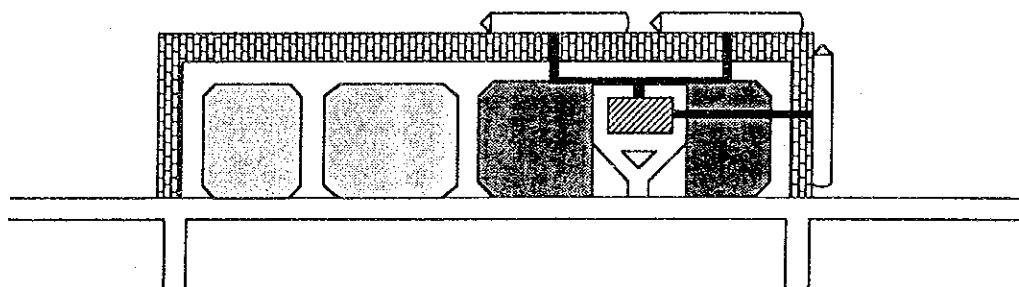
Project No. PH-01/01	Project Title Rehabilitation and Improvement of Cebu Port and Cebu International Port (CIP) (Port rehabilitation and Improvement Project)		Economic Sector Infrastructure
Project Location Cebu Port	Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5-10 years	Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others
1. Summary of Objectives 1) Increase of cargo handling productivity 2) To realize an effective use of port area		2. Target Beneficiaries 1) Port Authority 2) Shipping Agency 3) Ro/Ro Ferry Passengers	
3. Project Description 1) Expansion of berthing facilities and backup area 2) Expansion of berth capacity by conducting the reclamation of obsolete piers 3) Construction of the passenger terminal and boarding bridge for Ro/Ro ferry		4. Expected Benefits / Outputs 1) Reduction of cargo handling cost 2) Reduction of ship operations 3) Saving the shipping cost	
5. Important Assumptions / Conditions for the Project This item is aimed to increase the backup area and to obtain the smooth traffic flow at the port area.		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : <u>1,042</u> Mill. Pesos 1) Land acquisition _____ Mill. Pesos 2) Equipment _____ Mill. Pesos 3) Infrastructure development _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body Cebu Port Authority	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>70</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated Department of Transportation and Communications	
11. Private Sector Participation		12. Environmental Measures	
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	






PROPOSED PROJECT PROFILE
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Project No. PH-01/01	Project Title Rehabilitation and Improvement of Cebu Port and Cebu International Port (CIP) (Port rehabilitation and Improvement Project)
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13. Verifiable Indicators / Information / Drawings



-  WHARF
-  YARD
-  PASSENGER TERMINAL
-  PAKING AREA
-  BOADING BRIDGE

0 50 100 150 200
SCALE

**RECONSTRUCTION OF DOMESTIC TERMINAL
 PORT OF CEBU**

14. Project Classification	15. Necessary Inputs/Arrangemnt	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input checked="" type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input checked="" type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	

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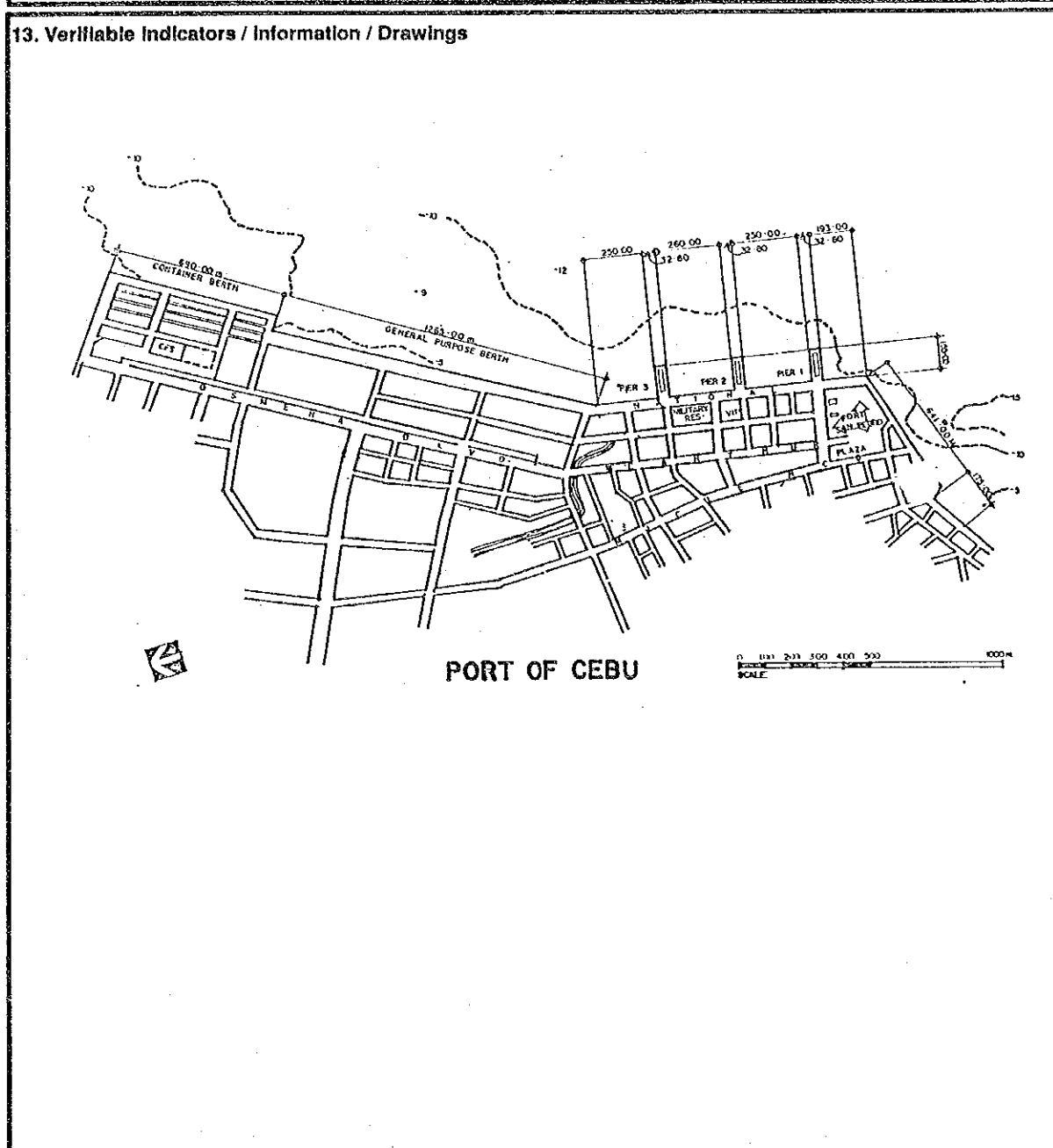
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Project No. PH-01/02	Project Title Rehabilitation and Improvement of Cebu Port and Cebu International Port (CIP) (Ferry Port Facility Construction at CIP)		Economic Sector Infrastructure
Project Location	Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5 years	Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others
1. Summary of Objectives 1) To facilitate Ro/Ro ferry equipment. 2) To realize a smooth port cargo flow at CIP.		2. Target Beneficiaries 1) Port Authority 2) Shipping Agency 3) Ro/Ro Ferry Passengers	
3. Project Description Construction of pier for long distance Ro/Ro ferry at CIP.		4. Expected Benefits / Outputs 1) Saving the time of passengers 2) Reduction of ship operation cost 3) Promotion of regional development	
5. Important Assumptions / Conditions for the Project The ferry berth of a dophin-type finger pier is planned at the end of CIP. The construction of this facility is expected to promote the effective use of wharves at CIP.		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : <u>57.2</u> Mill. Pesos 1) Land acquisition _____ Mill. Pesos 2) Equipment _____ Mill. Pesos 3) Infrastructure development _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body Cebu Port Authority	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>70</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated Department of Transportation and Communications	
11. Private Sector Participation		12. Environmental Measures	
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

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Project No. PH-01/02	Project Title Rehabilitation and Improvement of Cebu Port and Cebu International Port (CIP) (Ferry Port Facility Construction at CIP)
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14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input checked="" type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input checked="" type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Government</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	

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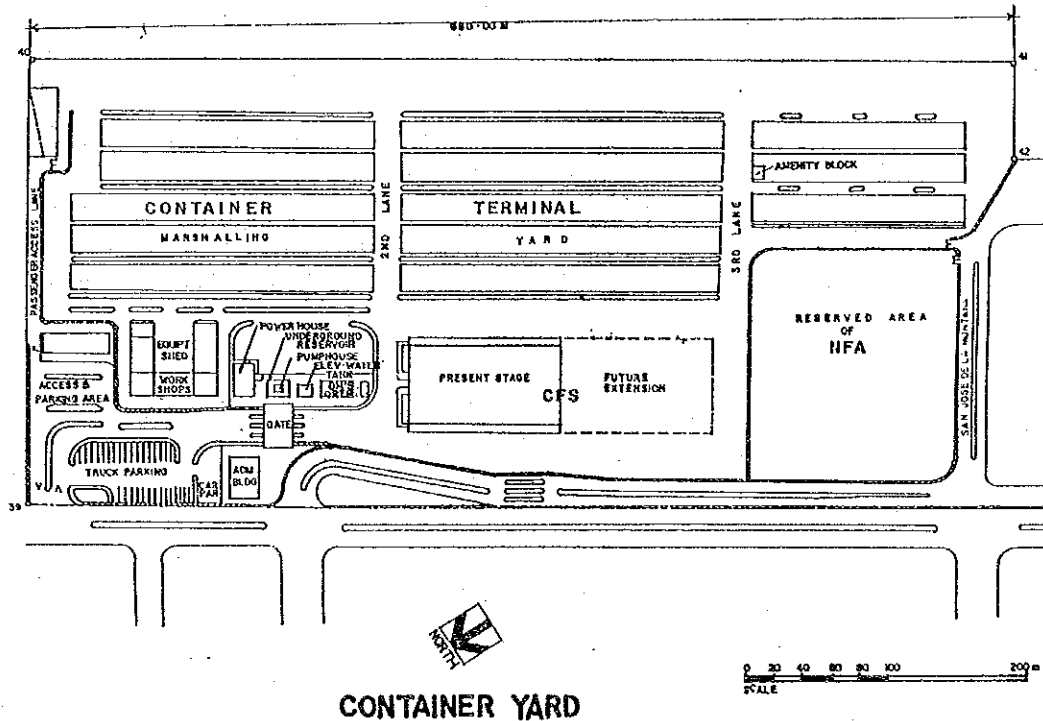
Project No. PH-01/03	Project Title Rehabilitation and Improvement of Cebu Port and Cebu International Port (CIP) (Cargo handling modernization project)		Economic Sector Infrastructure
Project Location		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others
		Project Duration 5 years	
1. Summary of Objectives Increase in the cargo handling productivity		2. Target Beneficiaries 1) Port Authority 2) Shipping Agency	
3. Project Description Installation of container handling equipment to increase productivity		4. Expected Benefits / Outputs 1) Increase in cargo handling productivity 2) Reduction of ship operation cost 3) Promotion of regional development	
5. Important Assumptions / Conditions for the Project To provide cargo handling equipment such as gantry cranes and reach stackers		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (In 1993 prices) For Project Implementation in Total : <u>330</u> Mill. Pesos 1) Land acquisition _____ Mill. Pesos 2) Equipment _____ Mill. Pesos 3) Infrastructure development _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body Cebu Port Authority	
		9. Relevant Agencies to Be Coordinated Department of Transportation and Communications	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>90</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		11. Private Sector Participation	
12. Environmental Measures			
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

PROPOSED PROJECT PROFILE
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Project No. PH-01/03	Project Title Rehabilitation and Improvement of Cebu Port and Cebu International Port (CIP) (Cargo handling modernization project)
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13. Verifiable Indicators / Information / Drawings



CONTAINER YARD

14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input checked="" type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input checked="" type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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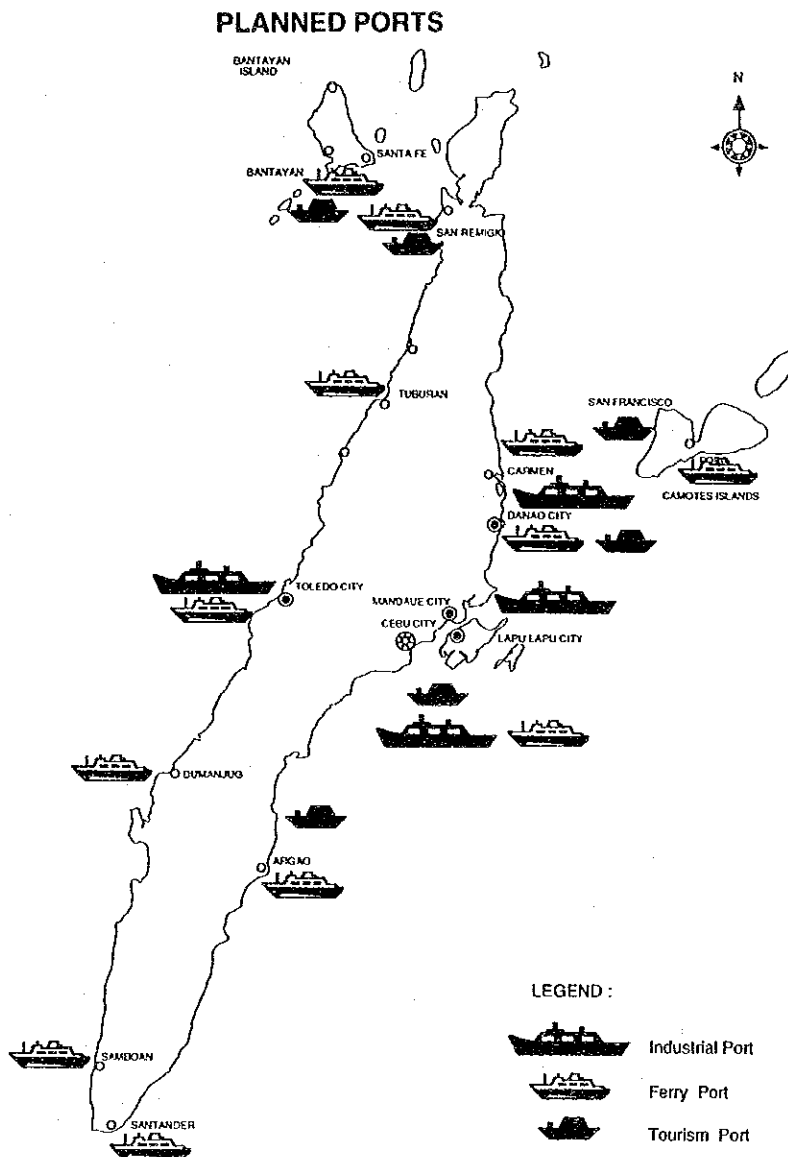
Project No. PH-02/07	Project Title Industrial Port Development Project, Phase I and II		Economic Sector Infrastructure
Project Location Toledo, Carmen, Mandaue		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5 ~ 10 years
1. Summary of Objectives To construct port facilities for transportation of industrial materials and products.		2. Target Beneficiaries 1) Port Authority 2) Industries 3) Shipping Agencies 4) Local Governments	
3. Project Description To construct berthing facilities.		4. Expected Benefits / Outputs 1) Reduction of transportation cost for the industries 2) Promotion of regional development 3) Increase of job opportunities	
5. Important Assumptions / Conditions for the Project This project is planned based on the demand forecast induced from the industries' location in Cebu Province.		6. Project Linkages / Other Sector Linkages IN03: Industrial Estates Development Projects; IN07: Infrastructure Development Project Support ing Industrial Location in Toledo-Balamban Area; UD08: Toledo-Balamban Metro Area Urban Structure Development Project; UD09: Danao-Carmen Metro Area Urban Structure Development Project; PH04: Feasibility Study on the Expansion of Cebu Port ; UD12: Mactan South Reclamation Project; TM 12:Hotel Complex Development in Mactan Area	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : <u>186.9</u> Mill. Pesos 1) Land acquisition _____ Mill. Pesos 2) Equipment _____ Mill. Pesos 3) Infrastructure development _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body Philippine Ports Authority	
		9. Relevant Agencies to Be Coordinated Department of Transportation and Communications	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>70</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		11. Private Sector Participation	
12. Environmental Measures			
Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input checked="" type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

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Project No. PH-02/07	Project Title INDUSTRIAL PORTS DEVELOPMENT PROJECT
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13. Verifiable Indicators / Information / Drawings



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input checked="" type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input checked="" type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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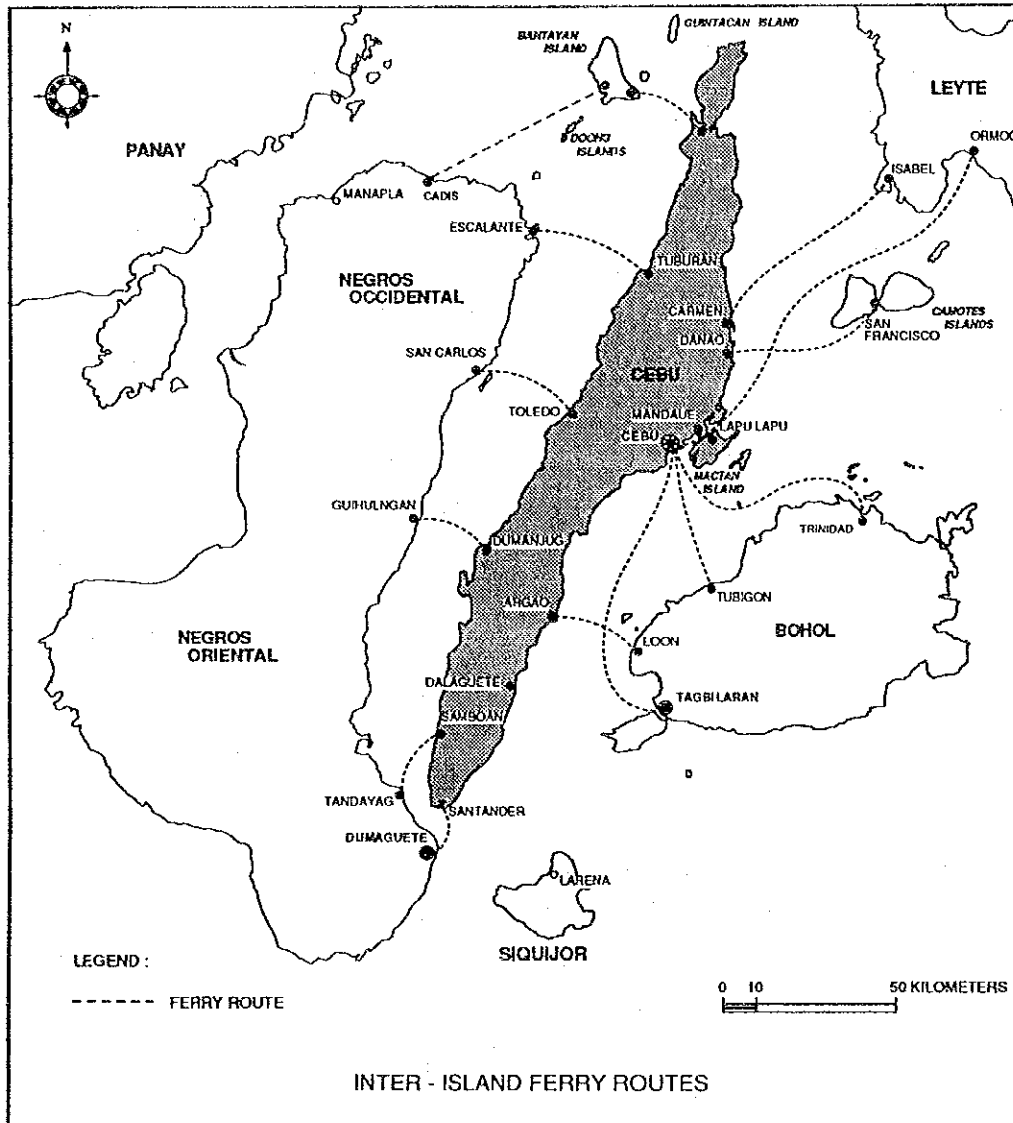
Project No. PH-03/05	Project Title Regional Ferry Port Facilities Rehabilitation and Improvement Project, Phase I		Economic Sector Infrastructure
Project Location Argao, Samboan, Toledo, Sta. Fe and Hagnaya		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5 Years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives 1) To facilitate ferry ship facilities for local communication. 2) To facilitate berthing facilities for tourism ships.		2. Target Beneficiaries 1) Port Authority 2) Shipping Agents 3) Local Residents	
3. Project Description 1) To construct ferry berth. 2) To construct water basin. 3) To construct passenger terminal.		4. Expected Benefits / Outputs 1) Reduction of ship operation cost. 2) Increase of tourism passengers. 3) Promotion of regional development.	
5. Important Assumptions / Conditions for the Project 1) To provide adequate infrastructure for inter-island communication. 2) To improve existing poor port facilities.		6. Project Linkages / Other Sector Linkages TM05: Tourist Piers and Sea Excursion Routes Development Project	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ Mill. Pesos 1) _____ 77.5 _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body PPA	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: 70 %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated Department of Transportation and Communications Department of Public Works and Highways	
11. Private Sector Participation		11. Private Sector Participation	
12. Environmental Measures Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)			
Administrative Measures: <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16)			

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for Cebu Integrated Area Development
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Project No. PH-03/05	Project Title Regional Ferry Port Facilities Rehabilitation and Improvement Project, Phase I
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13. Verifiable Indicators / Information / Drawings



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input checked="" type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input checked="" type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
Prepared by the JICA Study Team, 1993-1994

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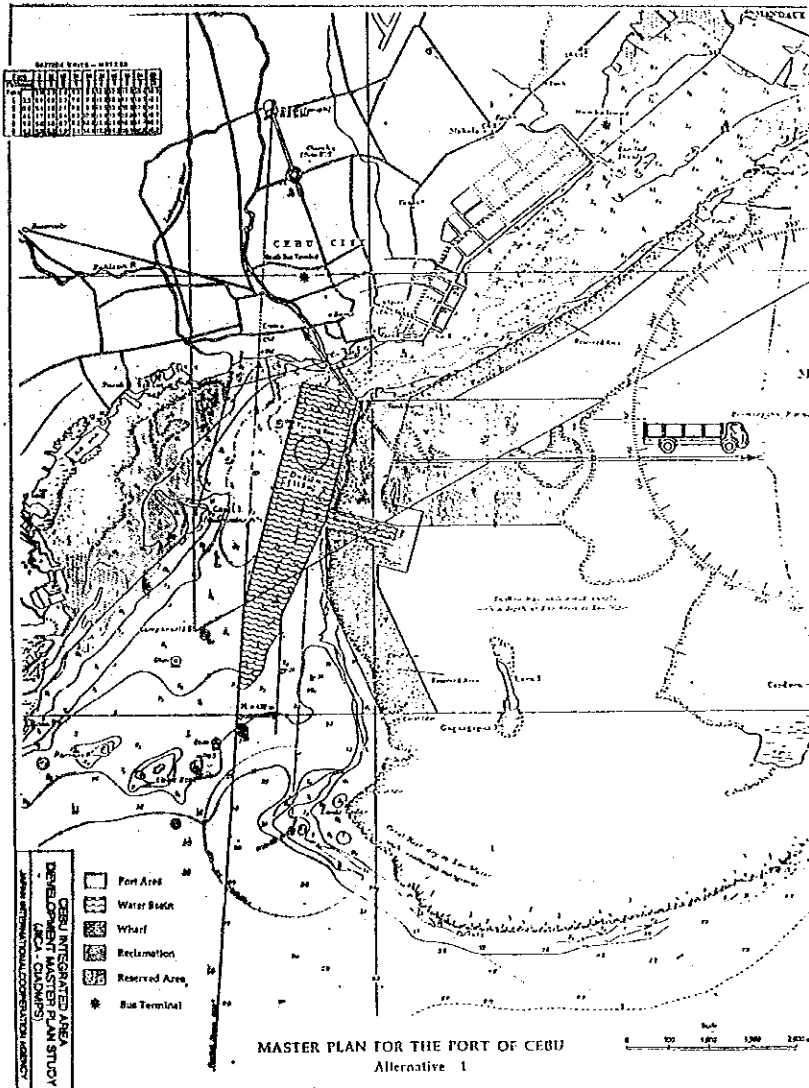
Project No. PH-04	Project Title FEASIBILITY STUDY ON THE EXPANSION OF CEBU PORT		Economic Sector Infrastructure
Project Location Cebu Port		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5 years
Type of Project <input checked="" type="checkbox"/> F/S Study or Survey <input type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives To conduct a feasibility study on the expansion project of Cebu Port.		2. Target Beneficiaries 1) Port Authority	
3. Project Description To conduct the study constituting the following: 1) Natural condition survey 2) Demand forecast 3) Port planning 4) Design, construction method 5) Environment 6) Port management operation 7) Economic and financial analysis		4. Expected Benefits / Outputs 1) Reduction of shipping cost 2) Increase of cargo handling productivity. As a result, reduction of cargo handling cost. 3) Promotion of industrial location	
5. Important Assumptions / Conditions for the Project Three (3) alternatives are proposed at Master Plan: 1) Mactan Island South Area 2) Cebu South Area 3) Mactan Island North Area		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (In 1993 prices) For Project Implementation in Total : <u>40</u> Mill. Pesos 1) Land acquisition _____ Mill. Pesos 2) Equipment _____ Mill. Pesos 3) Infrastructure development _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body Cebu Port Authority	
		9. Relevant Agencies to Be Coordinated Department of Transportation and Communications	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>100</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		11. Private Sector Participation	
12. Environmental Measures			
Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

PROPOSED PROJECT PROFILE
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 Prepared by the JICA Study Team, 1993-1994

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Project No. PH-04	Project Title FEASIBILITY STUDY ON THE EXPANSION OF CEBU PORT
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13. Verifiable Indicators / Information / Drawings



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Government</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
Prepared by the JICA Study Team, 1993-1994

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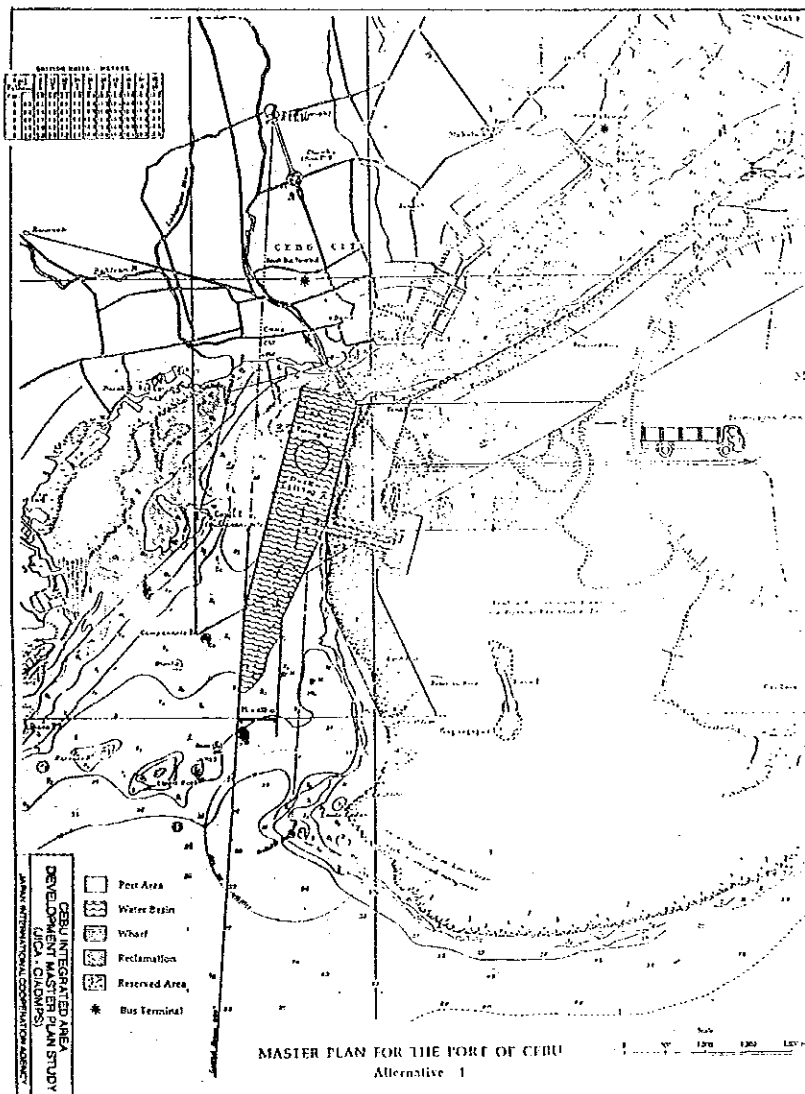
Project No. PH-06	Project Title SECOND CEBU INTERNATIONAL PORT CONSTRUCTION PROJECT		Economic Sector Infrastructure		
Project Location Mactan Island South Area, Cebu South Area, or Mactan Island North Area		Project Priority <input type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input checked="" type="checkbox"/> Long-term	Project Duration 10~15 Years		
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others					
1. Summary of Objectives 1) To handle the increased cargo. 2) To accept larger container ships. 3) To increase the cargo distribution function. 4) To create the industrial zone.		2. Target Beneficiaries 1) Port Authority 2) Shipping Agencies 3) Local Government			
3. Project Description Main items for the expansion of the Port of Cebu is: 1) Wharf 2) Back-up area 3) Approach channel and water basin 4) Access road 5) Reserved area		4. Expected Benefits / Outputs 1) Reduction of shipping cost. 2) Reduction of cargo handling cost. 3) Promotion of industries location.			
5. Important Assumptions / Conditions for the Project Three alternatives are proposed in the Master Plan. 1) Mactan Island South Area 2) Cebu South Area 3) Mactan Island North Area		6. Project Linkages / Other Sector Linkages			
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : <u>3,500</u> Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body PPA			
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: <u>70</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated Department of Transportation & Communications			
11. Private Sector Participation		12. Environmental Measures			
<table border="0"> <tr> <td>Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16) </td> <td>Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16) </td> </tr> </table>				Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)
Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)				

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for Cebu Integrated Area Development
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Project No. PH06	Project Title SECOND CEBU INTERNATIONAL PORT CONSTRUCTION PROJECT
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13. Verifiable Indicators / Information / Drawings



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input checked="" type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input checked="" type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
Prepared by the JICA Study Team, 1993-1994

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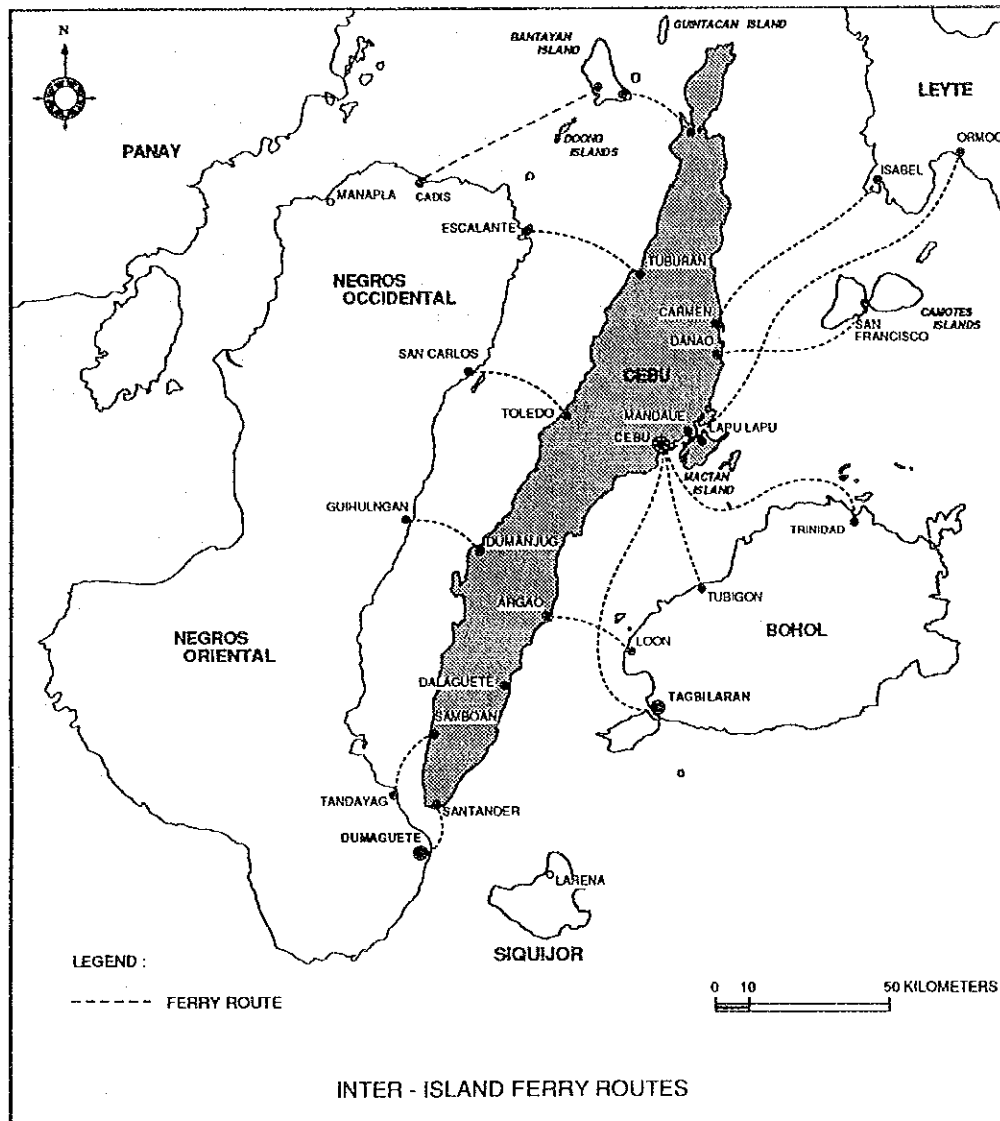
Project No. PH-08	Project Title Regional Ferry Port Facilities rehabilitation and Improvement Projects, Phase II		Economic Sector Infrastructure
Project Location Dumanjug, Tuburan, Toledo, Sta. Fe, Hagnaya, Cordova		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 10 Years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives 1) To facilitate ferry ship facilities for the local communication. 2) To facilitate berthing facilities for the tourism ships.		2. Target Beneficiaries 1) Port Authority 2) Shipping Agents 3) Local Residents	
3. Project Description 1) To construct ferry berth. 2) To construct water basin. 3) To construct passenger terminal		4. Expected Benefits / Outputs 1) Reduction of ship operation cost. 2) Increase of tourism passengers. 3) Promotion of regional development.	
5. Important Assumptions / Conditions for the Project 1) To provide adequate infrastructure for inter-island communication. 2) To improve existing poor port facilities.		6. Project Linkages / Other Sector Linkages IN10: Western Sea Board Development Project UD08/18: Toledo-Balamban Metro Area Urban Development Project	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : <u>27.0</u> Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body PPA	
		9. Relevant Agencies to Be Coordinated Department of Transportation & Communications Department of Public Works and Highways	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: <u>70</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		11. Private Sector Participation	
12. Environmental Measures			
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Polluter-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

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Project No. PH-08	Project Title Regional Ferry Port Facilities rehabilitation and Improvement Projects, Phase II
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13. Verifiable Indicators / Information / Drawings



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	

WATER RESOURCE AND SUPPLY

Water Resource and Supply

Short- and Medium-Term Projects and Programs (Up to 2005)

- *WR01: Implementation of Mananga I and II Water Resource Development Projects
- *WR02: Buhisan Dam Rehabilitation Project
- *WR03: Comprehensive Study for Alternative Water Resources Development for Metro Cebu
- *WR04: MCWD Water Distribution System Rehabilitation and Up-grading Project, Phase I
- *WR05: MCWD Water Charge Collection System Improvement Program (linked with WR04)
- *WR06: Establishment of "Provincial Technical Center for Rural Water Development" (linked with WR08)
- *WR07: Study of Ground Water Resource and Potentials in the Entire Cebu Province (linked with WR06, WR08)
- *WR08: Rural Water Supply Facility Development Project, Phase-I (linked with AG04, WR06 and WR07)
- WR09: Water Supply Extension Project for Toledo-Balamban Metro Area (linked with IN07 and UD08)
- WR10: Water Supply Extension Project in Danao-Carmen Area (linked with UD09)
- WR11: Metro Cebu Retarding Mini-Dams Development Project

Long-Term Projects and Programs (2005-2010)

- WR11: Alternative Water Resources Development for Metro Cebu (based on WR03)
- WR12: MCWD Water Distribution System Rehabilitation and Up-grading Project, Phase II (linked with WR04)
- WR13: Rural Water Supply Facility Development Project, Phase II (linked with WR08)

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
Prepared by the JICA Study Team, 1993-1994

(1/2)

Project No. WR-01	Project Title IMPLEMENTATION OF MANANGA I AND II WATER RESOURCES DEVELOPMENT PROJECT		Economic Sector Infrastructure
Project Location Mananga river basin		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 10 years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives To reduce the water deficit in Metro Cebu area. To increase the ratio of safe drinking water per capita. Phase 1 will start the construction stage soon funded by ADB. Phase 2 will start the detailed design stage in 1994 funded by Switzerland.		2. Target Beneficiaries The user and new user of MCWD	
3. Project Description Mananga project has 2 phases Phase 1: Diversion weir 7.5mH x 60 m B Infiltration and sediment basin 19 deep wells Phase 2: Mananga dam, 90 m H Transmission tunnel 3.8 km Treatment plant and water tank		4. Expected Benefits / Outputs After completion Phase 1 will produce water of 33,000 cu. m/day. Phase 2 can do 95,000 cu. m/day	
5. Important Assumptions / Conditions for the Project - Necessity of the rehabilitation of the distribution system - Resettlement of the people from proposed water reservoir area. - Development of Mananga watershed for the protection of the soil erosion.		6. Project Linkages / Other Sector Linkages - Cebu community-based resources management project. - retarding dam project in metro Cebu rivers	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : <u>4,270</u> Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: <u>128</u> Mill. Pesos		8. Implementing Agency/Body LWUA and MCWD	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>80</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated DENR, Cebu City and Talisay	
11. Private Sector Participation		11. Private Sector Participation	
12. Environmental Measures			
Technical Measures: <input checked="" type="checkbox"/> Conduct in-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input checked="" type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input checked="" type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input checked="" type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input checked="" type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

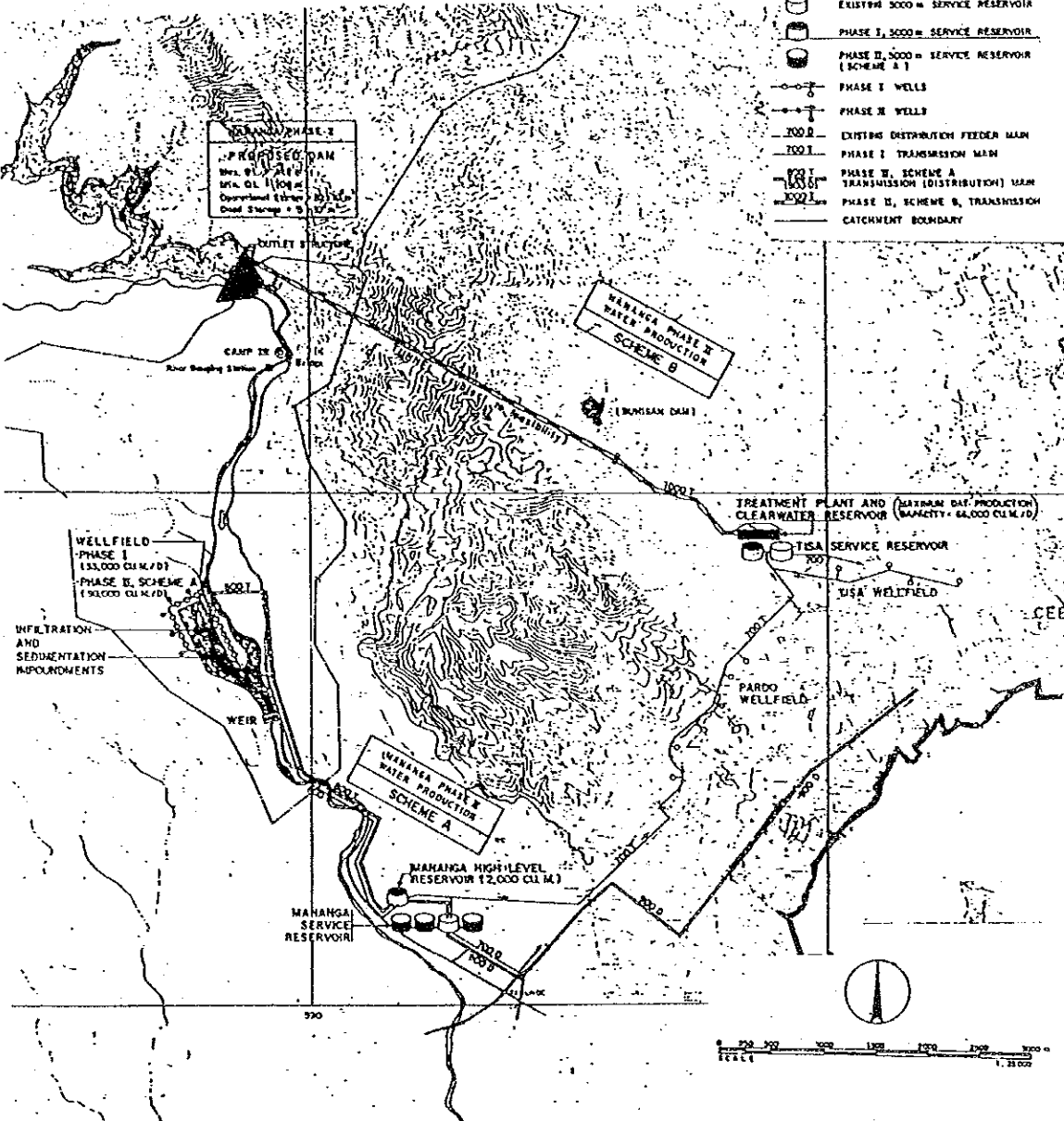
PROPOSED PROJECT PROFILE
 for Cebu Integrated Area Development
 Prepared by the JICA Study Team, 1993-1994

(2/2)

Project No. WR-01	Project Title IMPLEMENTATION OF MANANGA I AND II WATER RESOURCES DEVELOPMENT PROJECT
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13. Verifiable indicators / Information / Drawings

- PROJECT LOCATION MAP



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input checked="" type="checkbox"/> Island Basic Project</p> <p><input type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input type="checkbox"/> Regional Economic Drive</p> <p><input checked="" type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input checked="" type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input checked="" type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input checked="" type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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(1/2)

Project No. WR-02	Project Title BUHISAN DAM REHABILITATION PROJECT		Economic Sector Infrastructure				
Project Location Cebu City		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 1 year				
Type of Project <input checked="" type="checkbox"/> F/S Study or Survey <input type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others							
1. Summary of Objectives - To improve the infrastructure - To enhance the existing facility of MCWD - To increase the supply volume of potable water		2. Target Beneficiaries Metro Cebu resident people through MCWD					
3. Project Description - To check the safety of the existing dam - To prepare the rehabilitation program on the dam, raw water pipeline and treatment plant - To the study of the possibility of dredging the water reservoir from the economic point of view and re-raisin of the dam		4. Expected Benefits / Outputs - To prepare the rehabilitation program of the dam, raw water pipeline and treatment plant - To establish the effective dam operation rule					
5. Important Assumptions / Conditions for the Project - the exact actual data records of water volume produced at Tisa treatment plant		6. Project Linkages / Other Sector Linkages Mananga river phase 2 development					
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ 50 _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body MCWD					
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>95</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated Cebu City Government					
11. Private Sector Participation		12. Environmental Measures					
<table border="0"> <tr> <td>Technical Measures:</td> <td>Administrative Measures</td> </tr> <tr> <td> <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16) </td> <td> <input type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input checked="" type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16) </td> </tr> </table>				Technical Measures:	Administrative Measures	<input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	<input type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input checked="" type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16)
Technical Measures:	Administrative Measures						
<input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	<input type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input checked="" type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16)						

PROPOSED PROJECT PROFILE
 for Cebu Integrated Area Development
 Prepared by the JICA Study Team, 1993-1994

(2/2)

Project No. WR-02	Project Title BUHISAN DAM REHABILITATION PROJECT
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13. Verifiable Indicators / Information / Drawings

- SCOPE OF WORK

To investigate the dam structure, abutment and foundation about water leakage and deterioration of the materials.

- Core boring in the dam body and foundation of the dam
- water leakage test

To investigate intake facilities, the raw water pipeline and Tisa treatment plant

Cross section survey of the water reservoir

To analysis the dam stability

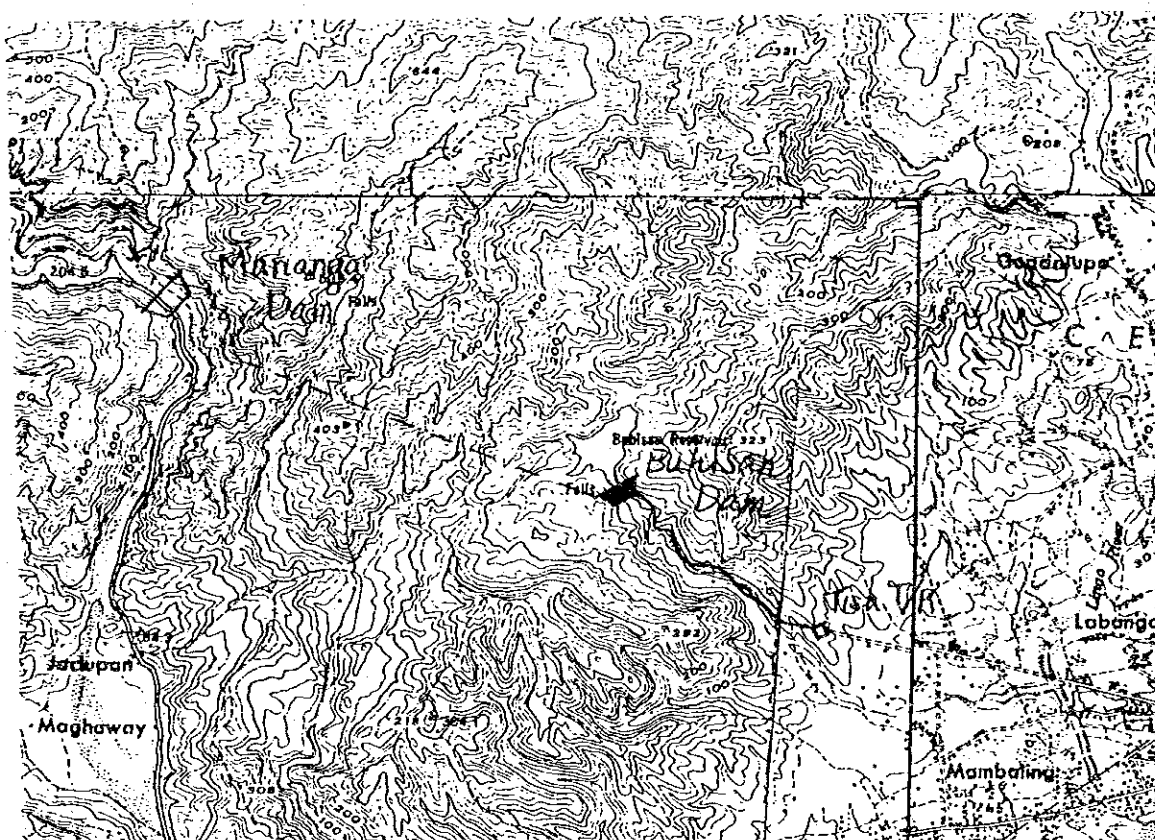
To study the rehabilitation program about the dam, raw water pipeline and Tisa treatment plant

To study the dredging of water reservoir

To study the optimum system concerned with Mananga Phase 2

To establish the optimum operation rule of the dam and treatment plant

- LOCATION MAP



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
Functional Level <input type="checkbox"/> Island Minimum Project <input checked="" type="checkbox"/> Island Basic Project <input type="checkbox"/> Island Strategic Project Project Orientation <input type="checkbox"/> Regional Economic Drive <input checked="" type="checkbox"/> Social Development Drive <input type="checkbox"/> Environmental Drive	<input type="checkbox"/> National Government Involvement <input type="checkbox"/> Initiatives of Local Government Units <input type="checkbox"/> Institutional Arrangement at Local Level <input type="checkbox"/> Special Financial Building at Local Level <input checked="" type="checkbox"/> Special Fund Allocation by Central Govern't <input checked="" type="checkbox"/> International Financial Assistance (Grant) <input type="checkbox"/> International Financial Assistance (Loan) <input type="checkbox"/> Private Sector Participation in Funding <input type="checkbox"/> Maximum Utilization of Local Technologies <input checked="" type="checkbox"/> International Technical Assistance <input type="checkbox"/> Others (as specified in Box)	After preparing the program, it should be executed promptly.

PROPOSED PROJECT PROFILE
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(1/3)

Project No. WR-03/ WR-11	Project Title COMPREHENSIVE STUDY FOR ALTERNATIVE WATER RESOURCES DEVELOPMENT FOR METRO CEBU		Economic Sector Infrastructure
Project Location Balamban River Basin, Metro Cebu and Bohol		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration
Type of Project <input checked="" type="checkbox"/> F/S Study or Survey <input type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives - To identify alternative solution to reduce water deficit in Metro Cebu - Water source development and supply for Metro Cebu		2. Target Beneficiaries Metro Cebu populace	
3. Project Description - Feasibility study of Lusaran dam project - Feasibility study of Inabanga dam project - Feasibility of medium scale water sources development project		4. Expected Benefits / Outputs - Identification of priority project implementation - Identification of main components of the each project - Increased water supply	
5. Important Assumptions / Conditions for the Project - Sufficient hydrological data for analysis for each dam site - Refer to existing study reports		6. Project Linkages / Other Sector Linkages - The study of groundwater in Cebu province This study will identify the groundwater potential and usable groundwater volume in Metro Cebu	
7. Estimated Investment Requirement (In 1993 prices) For Project Implementation in Total : <u>700</u> Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body LWUA or MCWD	
		9. Relevant Agencies to Be Coordinated - LGUs and RDC - DENR	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>80</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		11. Private Sector Participation Water Resource Center	
12. Environmental Measures			
Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input checked="" type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input checked="" type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input checked="" type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input checked="" type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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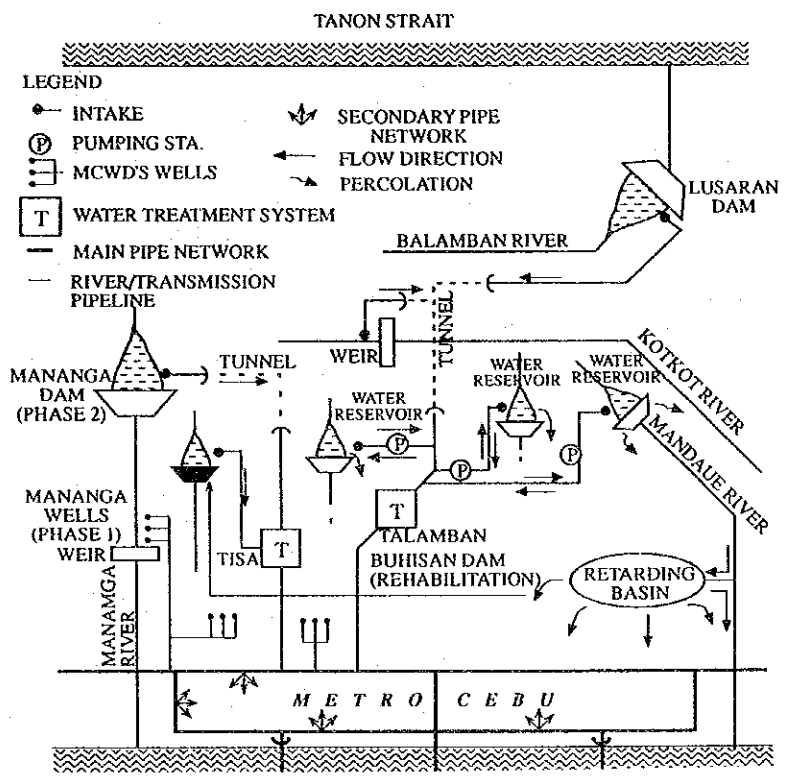
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Project No. WR-03/WR-11	Project Title COMPREHENSIVE STUDY FOR ALTERNATIVE WATER RESOURCES DEVELOPMENT FOR METRO CEBU
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13. Verifiable Indicators / Information / Drawings

- CONSIDERATION IN STUDY
A) LUSARAN DAM PROJECT

- To review the feasibility study of Lusaran dam project including;
- Kotkot river development; the water during wet season can be useful for MCWD by the construction of a weir, because water flow of Kotkot river discharge out into sea directly during wet season although downstream area is active.
- Considering the water reservoir made by embankment in some tributary near Metro Cebu for water storage and recharging the aquifer, and
- The study of environment and resettlement of houses around water reservoir of LUSARAN DAM



B) INABANGA-BOHOL PROJECT

- Feasibility study of this project after collecting the sufficient data of Hydro-meteorology for hydrological analysis including,
- designating the water supply development plan around the project site in Bohol and proportion to western coastal development and
- Environmental impact assessment

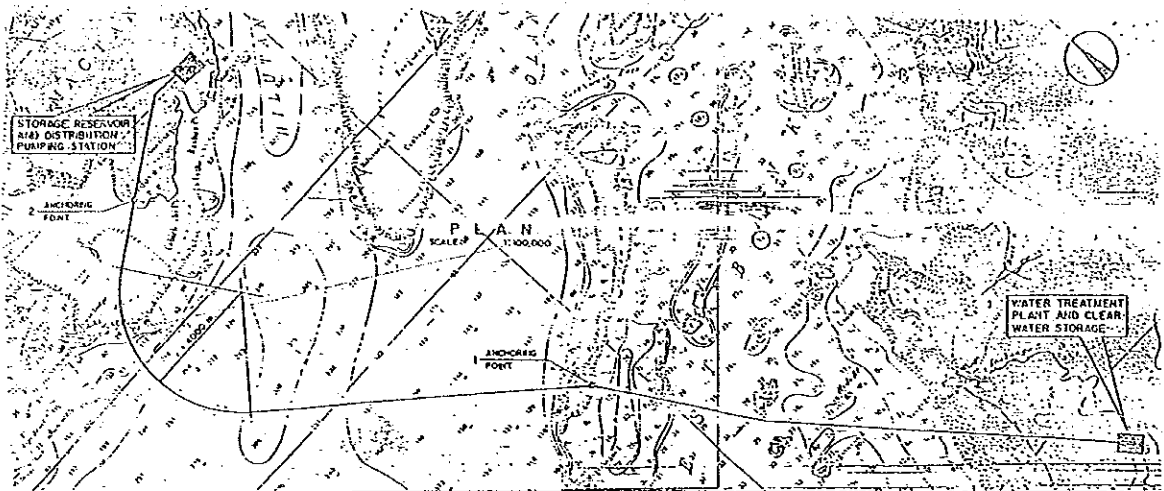
14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input checked="" type="checkbox"/> Island Basic Project</p> <p><input type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input type="checkbox"/> Regional Economic Drive</p> <p><input checked="" type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input checked="" type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	<p>After confirmation of project's identification, the detailed design should be carried out continuously</p>

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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(3/3)

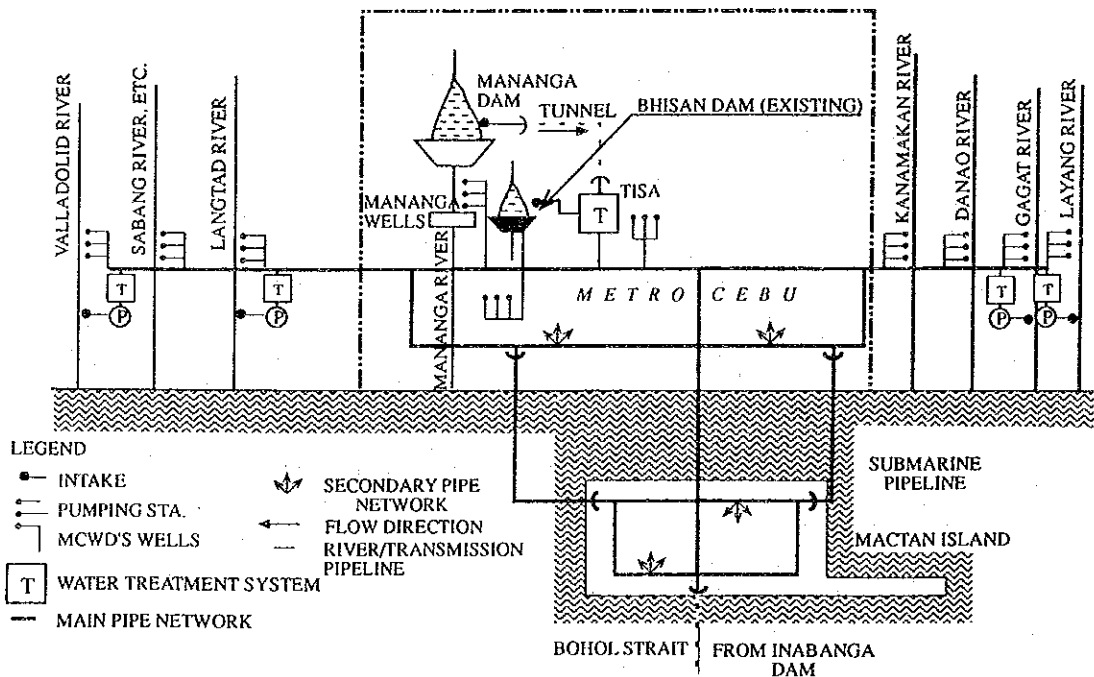
Project No. WR-03/WR-11	Project Title COMPREHENSIVE STUDY FOR ALTERNATIVE WATER RESOURCES DEVELOPMENT FOR METRO CEBU
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13. Verifiable Indicators / Information / Drawings



C) MEDIUM-SCALE WATER SOURCE DEVELOPMENT

- Feasibility study includes, transmission pipe route, evaluation of groundwater volume capacity, construction cost and environmental impact assessment.



PROPOSED PROJECT PROFILE
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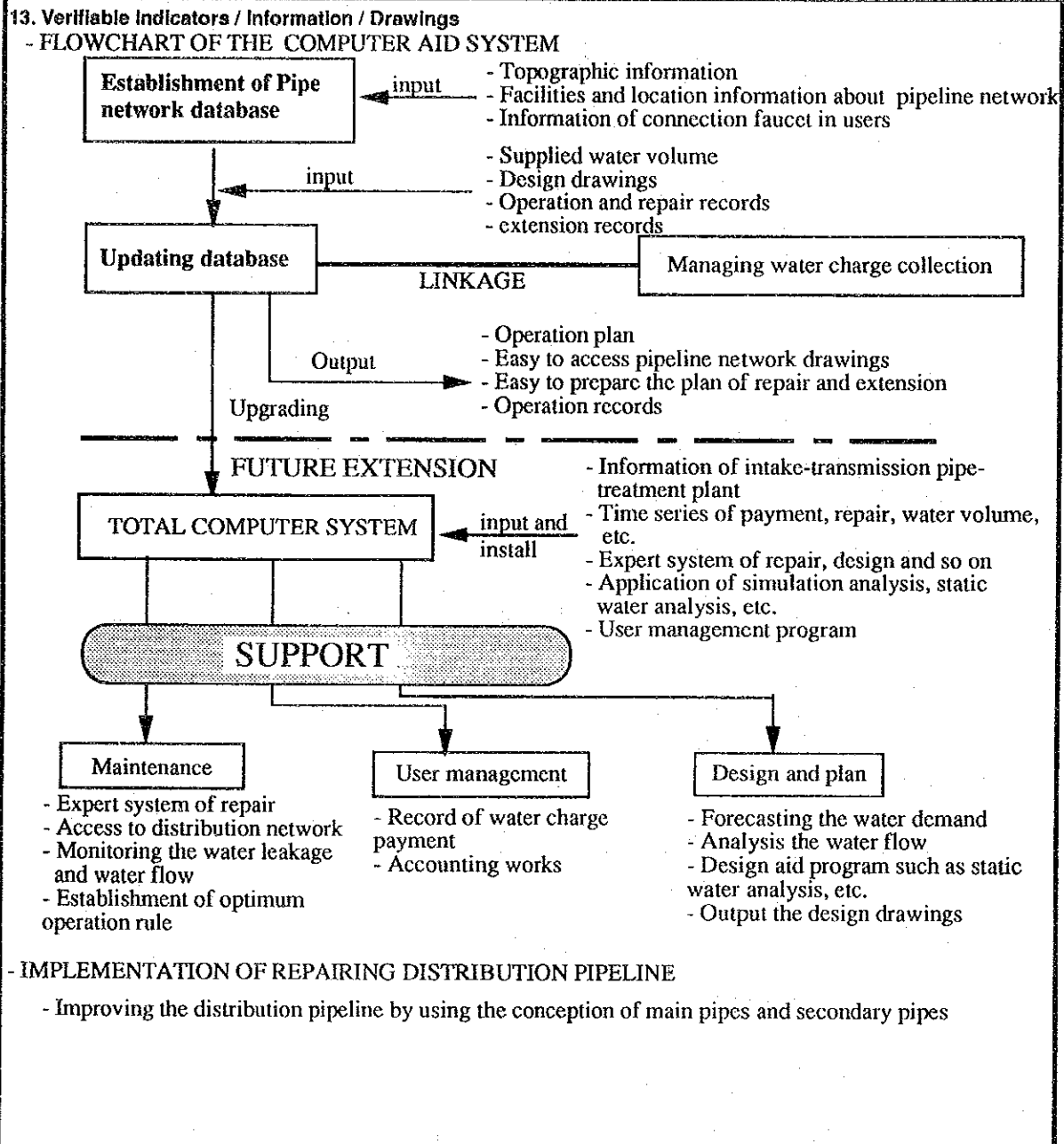
(1/3)

Project No. WR-04/ WR-12	Project Title MCWD DISTRIBUTION SYSTEM REHABILITATION AND UPGRADING PROJECT		Economic Sector Infrastructure
Project Location Metro Cebu		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 3 years
		Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others	
1. Summary of Objectives - To increase the efficiency of water consumption ratio over production - To identify/utilize a convenient system to control the existing pipeline network and to access the future extension pipe network		2. Target Beneficiaries MCWD and its user	
3. Project Description - To prepare the optimum pipeline network plan including future extension plan - To establish the database of pipeline network - To link together managing the consumer connection faucet - To train up the technicians		4. Expected Benefits / Outputs - Rehabilitation program of distribution pipe network - Database of distribution pipe network - Plan of extension program	
5. Important Assumptions / Conditions for the Project - To use the computers - The records of actual water use and production		6. Project Linkages / Other Sector Linkages - Water charge collection upgrading project	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ 135 _____ Mill. Pesos 1) Study _____ 35 _____ Mill. Pesos 2) Construction work _____ 100 _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body MCWD or LWUA	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>90</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated LGUs	
11. Private Sector Participation			
12. Environmental Measures			
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input checked="" type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input checked="" type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

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(2/3)

Project No. WR-04/WR-12	Project Title MCWD DISTRIBUTION SYSTEM REHABILITATION AND UPGRADING PROJECT
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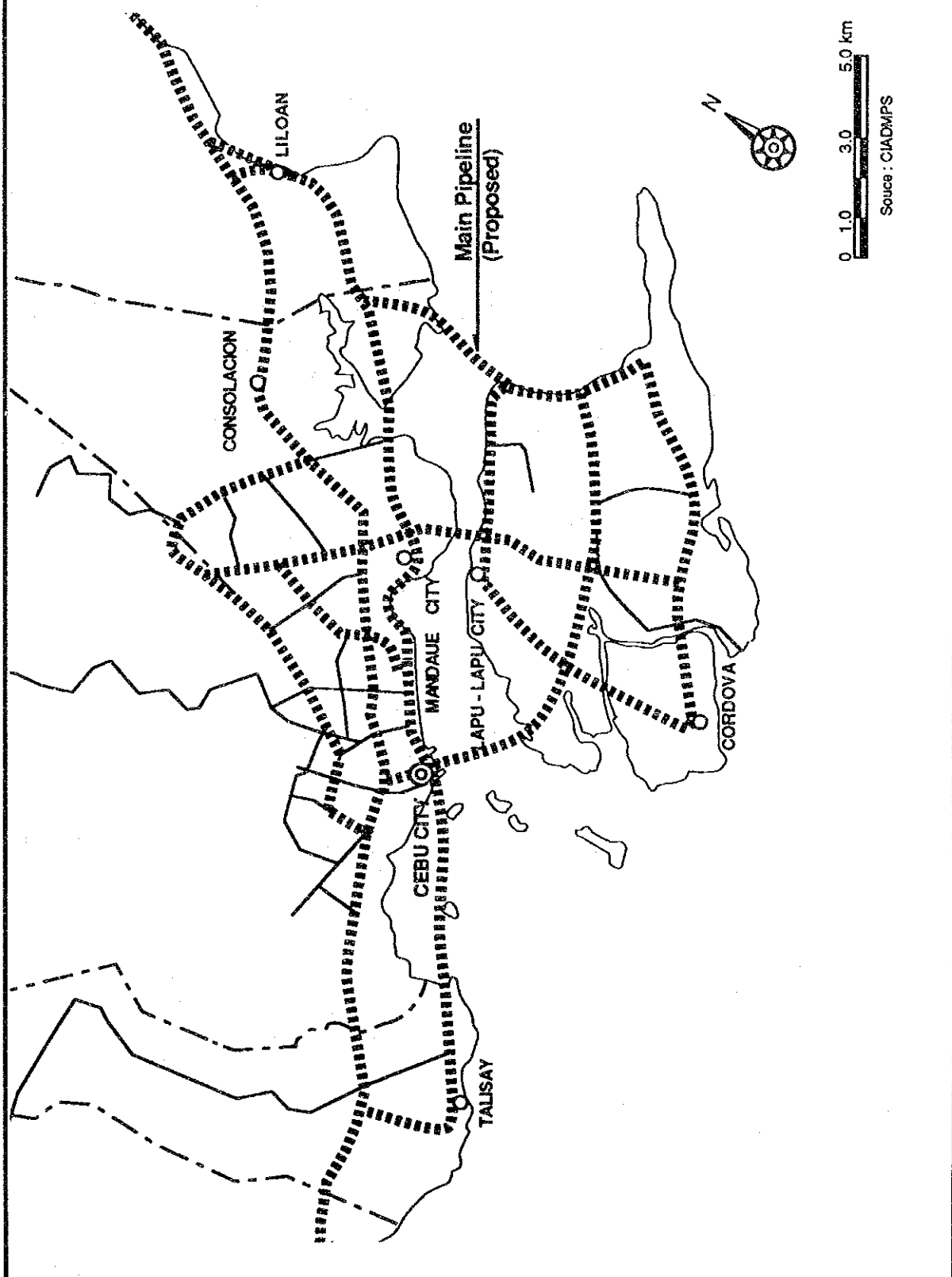
14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
Functional Level <input type="checkbox"/> Island Minimum Project <input checked="" type="checkbox"/> Island Basic Project <input type="checkbox"/> Island Strategic Project Project Orientation <input checked="" type="checkbox"/> Regional Economic Drive <input type="checkbox"/> Social Development Drive <input type="checkbox"/> Environmental Drive	<input type="checkbox"/> National Government Involvement <input type="checkbox"/> Initiatives of Local Government Units <input type="checkbox"/> Institutional Arrangement at Local Level <input type="checkbox"/> Special Financial Building at Local Level <input checked="" type="checkbox"/> Special Fund Allocation by Central Govern't <input checked="" type="checkbox"/> International Financial Assistance (Grant) <input checked="" type="checkbox"/> International Financial Assistance (Loan) <input type="checkbox"/> Private Sector Participation in Funding <input type="checkbox"/> Maximum Utilization of Local Technologies <input checked="" type="checkbox"/> International Technical Assistance <input type="checkbox"/> Others (as specified in Box)	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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Project No. WR-04/WR-12	Project Title MCWD DISTRIBUTION SYSTEM REHABILITATION AND UPGRADING PROJECT
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13. Verifiable Indicators / Information / Drawings



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(1/2)

Project No. WR-05	Project Title MCWD WATER CHARGE COLLECTION SYSTEM IMPROVEMENT PROGRAM		Economic Sector Infrastructure		
Project Location Metro Cebu		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 3 years		
Type of Project <input type="checkbox"/> F/S Study or Survey <input type="checkbox"/> Development Project <input checked="" type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others					
1. Summary of Objectives - To strengthen the financial foundation of MCWD - To attain a better water charge collection system		2. Target Beneficiaries MCWD and User of it			
3. Project Description - To provide a computer and install programs to ease the management of the water charge collection - To make an online system between head office and branches for managing the water tariff - A study of an effective water charge collection system including one alternative of the transfer to private company from MCWD - Linkage with distribution pipeline network system		4. Expected Benefits / Outputs - Database of the consumers - Computerization of water charge collection system and online system			
5. Important Assumptions / Conditions for the Project		6. Project Linkages / Other Sector Linkages - Distribution network upgrading project of MCWD			
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ 80 _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body MCWD and LWUA			
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: _____ 60 _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input checked="" type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated DTI, BIR, LGU's			
11. Private Sector Participation		12. Environmental Measures			
<table border="0"> <tr> <td>Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16) </td> <td>Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Polluter-Pay-Principle) <input checked="" type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16) </td> </tr> </table>				Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Polluter-Pay-Principle) <input checked="" type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)
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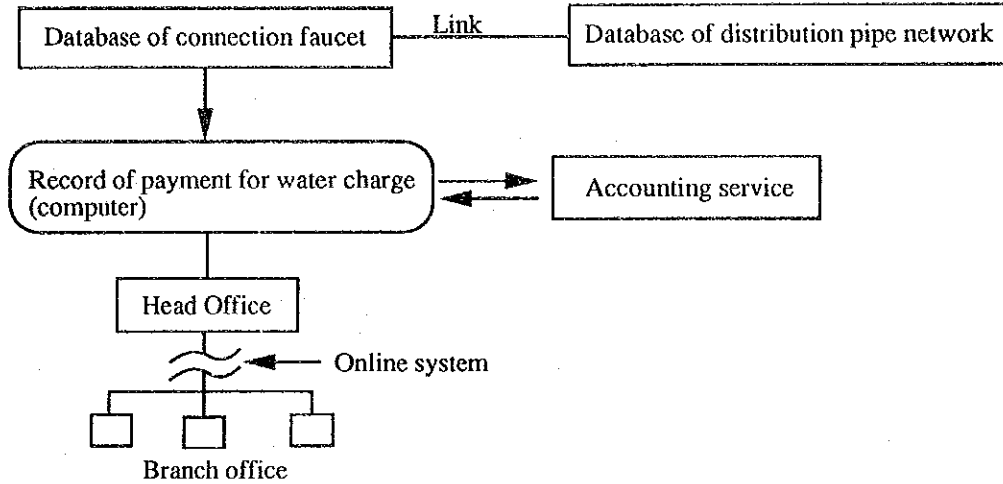
PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
 Prepared by the JICA Study Team, 1993-1994

(2/2)

Project No. WR-05	Project Title MCWD WATER CHARGE COLLECTION SYSTEM IMPROVEMENT PROGRAM
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13. Verifiable Indicators / Information / Drawings

- FLOWCHART OF COMPUTER AID



- THE ADVANTAGE OF WATER CHARGE COLLECTION BY A PRIVATE SECTOR

- Attractive collection work
- Speedy action
- decreasing illegal water use
- Decreasing the political power barrier

14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input checked="" type="checkbox"/> Island Basic Project</p> <p><input type="checkbox"/> Island Strategic Project</p> <hr/> <p>Project Orientation</p> <p><input checked="" type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input checked="" type="checkbox"/> Special Financial Building at Local Level</p> <p><input checked="" type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Grant)</p> <p><input checked="" type="checkbox"/> International Financial Assistance (Loan)</p> <p><input checked="" type="checkbox"/> Private Sector Participation in Funding</p> <p><input type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	<p>- This project will have more effect and useful if the foreign expert assist during the implementation</p>

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(1/2)

Project No. WR-06	Project Title ESTABLISHMENT OF PROVINCIAL TECHNICAL CENTER FOR RURAL WATER SUPPLY		Economic Sector Infrastructure
Project Location Cebu Province		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration
Type of Project <input type="checkbox"/> F/S Study or Survey <input type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input checked="" type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives - To provide technical assistance in the operation and maintenance of rural water system. - To enhance the operation/maintenance of the existing and future RWSAs.		2. Target Beneficiaries - The people in rural areas	
3. Project Description - Establishment of the technical center and committee - Activities of the center Organizing the community for maintenance Transfer the knowledge about water supply system Technical assistance of water supply system - Coordinate the Provincial rural water development		4. Expected Benefits / Outputs Rural water development	
5. Important Assumptions / Conditions for the Project - Prepare the office space and some instruments and facilities for operation and maintenance		6. Project Linkages / Other Sector Linkages - A study of groundwater in the Province	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : <u>60</u> Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: <u>5</u> Mill. Pesos		8. Implementing Agency/Body The Provincial Government	
		9. Relevant Agencies to Be Coordinated LWUA, MCWD and NWRB	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>70</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		11. Private Sector Participation Water Resources Center	
12. Environmental Measures			
Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input checked="" type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input checked="" type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

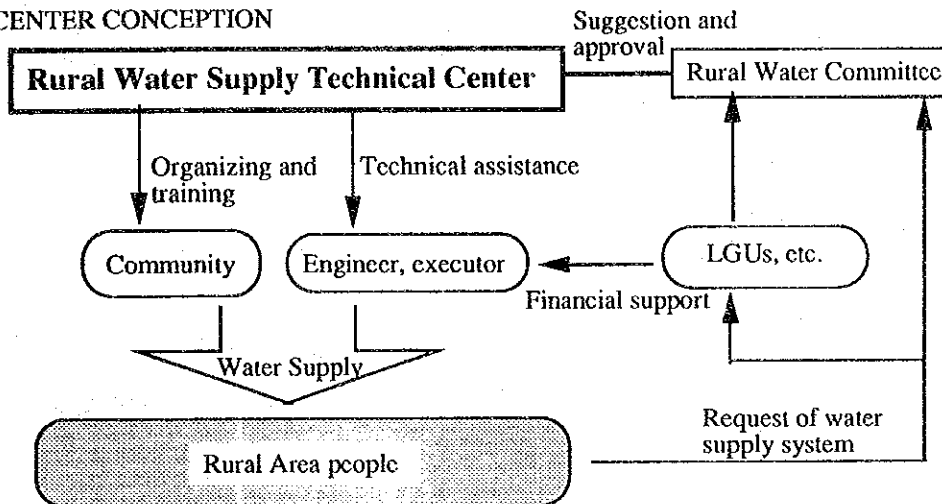
PROPOSED PROJECT PROFILE
 for Cebu Integrated Area Development
 Prepared by the JICA Study Team, 1993-1994

(2/2)

Project No. WR-06	Project Title COMPREHENSIVE STUDY FOR ALTERNATIVE WATER RESOURCES DEVELOPMENT FOR METRO CEBU
----------------------	---

13. Verifiable Indicators / Information / Drawings

- CENTER CONCEPTION



14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
Functional Level <input type="checkbox"/> Island Minimum Project <input checked="" type="checkbox"/> Island Basic Project <input type="checkbox"/> Island Strategic Project Project Orientation <input type="checkbox"/> Regional Economic Drive <input checked="" type="checkbox"/> Social Development Drive <input type="checkbox"/> Environmental Drive	<input type="checkbox"/> National Government Involvement <input checked="" type="checkbox"/> Initiatives of Local Government Units <input checked="" type="checkbox"/> Institutional Arrangement at Local Level <input type="checkbox"/> Special Financial Building at Local Level <input type="checkbox"/> Special Fund Allocation by Central Govern't <input checked="" type="checkbox"/> International Financial Assistance (Grant) <input checked="" type="checkbox"/> International Financial Assistance (Loan) <input type="checkbox"/> Private Sector Participation in Funding <input checked="" type="checkbox"/> Maximum Utilization of Local Technologies <input checked="" type="checkbox"/> International Technical Assistance <input type="checkbox"/> Others (as specified in Box)	The Center will be come more useful and effective in the execution of water supply project if foreign technical expert take part in.

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(1/2)

Project No. WR-07	Project Title A STUDY OF GROUNDWATER IN CEBU PROVINCE		Economic Sector Infrastructure		
Project Location Cebu Province		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration more than 5 years		
Type of Project <input checked="" type="checkbox"/> F/S Study or Survey <input type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others					
1. Summary of Objectives - To evaluate the safe yield volume of Metro Cebu - To prepare the location map of groundwater availability as a basis of determining drilling site - To transfer the knowledge about maintenance		2. Target Beneficiaries - All people in Cebu province			
3. Project Description - The collection and review of the data and reports about groundwater - Geological survey, groundwater survey and existing water supply system investigation - To prepare the water level map of a groundwater and evaluate the safe yield - Transfer of knowledge and technology		4. Expected Benefits / Outputs - To identify the suitable drilling sites in rural areas - To estimate the exact safe yield of groundwater in Metro Cebu			
5. Important Assumptions / Conditions for the Project		6. Project Linkages / Other Sector Linkages - Rural Water Supply Project including CVWSP and so on. - Establishment of rural water supply technical center			
7. Estimated Investment Requirement (In 1993 prices) For Project Implementation in Total : _____ 250 _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body LWUA and Provincial Government			
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: 90 %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated - MCWD, DPWH, BWSA's - NWRB, CVWSP, LGU's			
11. Private Sector Participation - Water Resource Center		12. Environmental Measures			
<table border="0"> <tr> <td>Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)</td> <td>Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input checked="" type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16)</td> </tr> </table>				Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input checked="" type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16)
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PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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(2/2)

Project No. WR-07	Project Title A STUDY OF GROUNDWATER IN CEBU PROVINCE	
13. Verifiable Indicators / Information / Drawings The study includes: <ul style="list-style-type: none"> • Monitoring of the groundwater • Water quality test • Geological survey including boring test 		
14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
Functional Level <input type="checkbox"/> Island Minimum Project <input checked="" type="checkbox"/> Island Basic Project <input type="checkbox"/> Island Strategic Project Project Orientation <input type="checkbox"/> Regional Economic Drive <input checked="" type="checkbox"/> Social Development Drive <input type="checkbox"/> Environmental Drive	<input checked="" type="checkbox"/> National Government Involvement <input type="checkbox"/> Initiatives of Local Government Units <input type="checkbox"/> Institutional Arrangement at Local Level <input type="checkbox"/> Special Financial Building at Local Level <input type="checkbox"/> Special Fund Allocation by Central Govern't <input checked="" type="checkbox"/> International Financial Assistance (Grant) <input type="checkbox"/> International Financial Assistance (Loan) <input type="checkbox"/> Private Sector Participation in Funding <input type="checkbox"/> Maximum Utilization of Local Technologies <input checked="" type="checkbox"/> International Technical Assistance <input type="checkbox"/> Others (as specified in Box)	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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(1/2)

Project No. WR-08/ WR-13	Project Title RURAL WATER SUPPLY DEVELOPMENT		Economic Sector
Project Location Cebu province		Project Priority <input checked="" type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input checked="" type="checkbox"/> Long-term	Project Duration
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives To alleviate the living conditions in the rural areas through an increase in the supply of safe and potable drinking water		2. Target Beneficiaries Rural area people of the whole province	
3. Project Description - To construct the water supply system such as level 1, 2, and 3 - To organize the community for maintenance		4. Expected Benefits / Outputs - To improve a health and sanitation through providing the safe and cleaner water	
5. Important Assumptions / Conditions for the Project - To strengthen the community for operation and maintenance		6. Project Linkages / Other Sector Linkages - Establishment of rural water technical center - A study of groundwater in Cebu province	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ 65 _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ 2 _____ Mill. Pesos		8. Implementing Agency/Body LWUA, DPWH, RWSA's and LGU's	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input checked="" type="checkbox"/> International Assistance Funds (Foreign Portion: <u>70</u> %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated LGU's	
11. Private Sector Participation		12. Environmental Measures Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	
Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)			

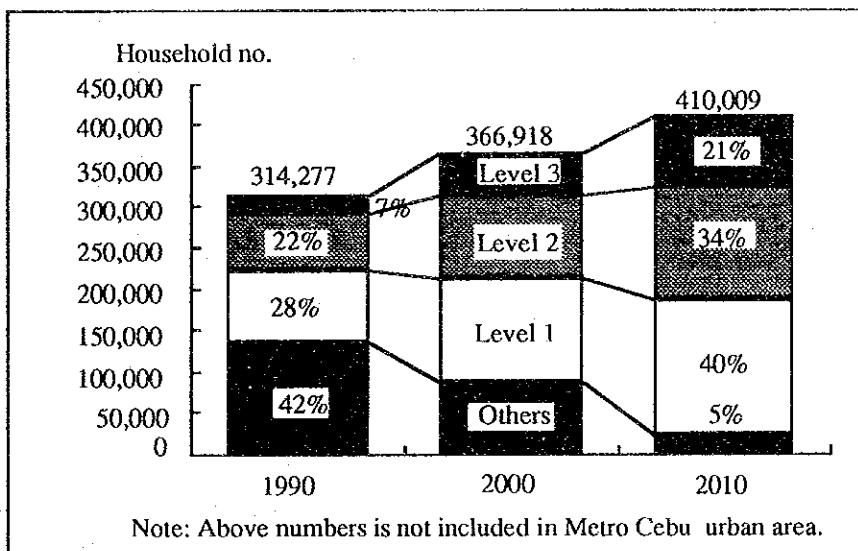
PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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Project No. WR-08/WR-13	Project Title RURAL WATER SUPPLY DEVELOPMENT
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13. Verifiable Indicators / Information / Drawings

- Target numbers of households to be covered by water supply system per annum
- From Others to Level 1 or 2 7,000 HH/year
- From Level 1 and 2 to Level 3 2,500 HH/year
- Forecasting of future condition



- FINANCIAL SOURCE

- Foreign aid fund
 - Rural Water Supply IV (Japan)
 - CVWSP (Australia)
- Local government fund
- National government fund
 - LWUA
 - Congressman fund

14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
Functional Level <input type="checkbox"/> Island Minimum Project <input checked="" type="checkbox"/> Island Basic Project <input type="checkbox"/> Island Strategic Project Project Orientation <input type="checkbox"/> Regional Economic Drive <input checked="" type="checkbox"/> Social Development Drive <input type="checkbox"/> Environmental Drive	<input type="checkbox"/> National Government Involvement <input checked="" type="checkbox"/> Initiatives of Local Government Units <input type="checkbox"/> Institutional Arrangement at Local Level <input type="checkbox"/> Special Financial Building at Local Level <input type="checkbox"/> Special Fund Allocation by Central Govern't <input checked="" type="checkbox"/> International Financial Assistance (Grant) <input checked="" type="checkbox"/> International Financial Assistance (Loan) <input type="checkbox"/> Private Sector Participation in Funding <input type="checkbox"/> Maximum Utilization of Local Technologies <input type="checkbox"/> International Technical Assistance <input type="checkbox"/> Others (as specified in Box)	

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(1/2)

Project No. WR-09	Project Title WATER SUPPLY EXTENSION PROJECT FOR TOLEDO-BALAMBAN AREA		Economic Sector Infrastructure
Project Location Toledo City and Balamban		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration
			Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others
1. Summary of Objectives - To increase the water supply service area coverage - To meet the increasing future water demand - To strengthen infrastructure for the provincial core center function		2. Target Beneficiaries Toledo-Balamban area populace	
3. Project Description - Water source development - Extend the distribution system - Proposed new water supply 31,150 cu. m/day		4. Expected Benefits / Outputs - Extend the supplied area - Increase water production	
5. Important Assumptions / Conditions for the Project - To prepare the land use plan - To develop the proposed industrial estates		6. Project Linkages / Other Sector Linkages - Industrial Parks Development Projects in Toledo Balamban area - Infrastructure development project supporting Industrial locations in Toledo-Balamban area - Toledo-Balamban Metro area urban structure development project	
7. Estimated Investment Requirement (In 1993 prices) For Project Implementation in Total : _____ 50 Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ 2 Mill. Pesos		8. Implementing Agency/Body Toledo city and Balamban	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input checked="" type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated	
		11. Private Sector Participation	
12. Environmental Measures			
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir Awareness <input type="checkbox"/> Others (as specified in Box 16)	

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(2/2)

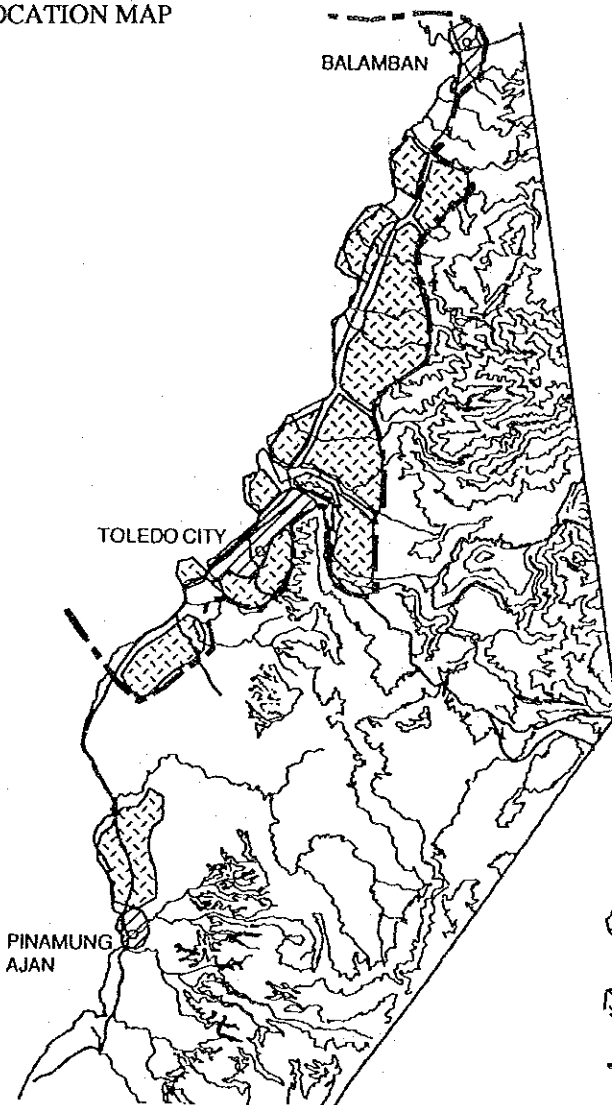
Project No. WR-09	Project Title WATER SUPPLY EXTENSION PROJECT FOR TOLEDO-BALAMBAN AREA
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13. Verifiable Indicators / Information / Drawings

- ADDITIONAL WATER DEMAND

Domestic	6,159 cu. m/day	Industrial	21,000 cu. m/day	Others	1,000 cu. m/day
Total	31,150 cu. m/day				

- LOCATION MAP



LEGEND

- EXISTING WATER SUPPLIED AREA TO LEVEL 3
- FUTURE WATER DEMAND AREA BY PROPOSED INDUSTRIAL AREA OR RESIDENTIAL AREA
- PROPOSED WATER SERVICE AREA

14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input checked="" type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input checked="" type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input checked="" type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input checked="" type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	<p>Organization of water supply service will be changed into water district (WD) from under the City by considering the future financial condition.</p>

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(1/2)

Project No. WR-10	Project Title WATER SUPPLY EXTENSION PROJECT IN DANA0-CARMEN AREA		Economic Sector Infrastructure
Project Location Danao City and Carmen		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input checked="" type="checkbox"/> Long-term	Project Duration 10 years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives - To expand the water supply service area coverage - To cater the future water demand in support of its rapid increase		2. Target Beneficiaries Danao City and Carmen populace	
3. Project Description - Water source development - Expansion of the distribution system - Proposed supplied water volume 43,150 cu. m/day		4. Expected Benefits / Outputs - To extend the supplied area - To increase the service area - To supply the water in proposed industrial estates	
5. Important Assumptions / Conditions for the Project - To prepare the land use plan of Danao-Carmen area		6. Project Linkages / Other Sector Linkages - Industrial Parks Development Projects in Cebu	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ 50 Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ 2 Mill. Pesos		8. Implementing Agency/Body Danao City and Carmen	
		9. Relevant Agencies to Be Coordinated LWUA	
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		11. Private Sector Participation Water Resources Center	
12. Environmental Measures			
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input checked="" type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input checked="" type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
 Prepared by the JICA Study Team, 1993-1994

(2/2)

Project No. WR-10	Project Title WATER SUPPLY EXTENSION PROJECT IN DANAOCARMEN AREA
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13. Verifiable Indicators / Information / Drawings

- ESTIMATED WATER DEMAND IN 2010

Domestic	6,150 cu. m/day	Industrial	36,000 cu. m/day	Others	1,000 cu. m/day
Total	43,150 cu. m/day				

- LOCATION MAP

LEGEND

- EXISTING WATER SUPPLIED AREA TO LEVEL 3
- FUTURE WATER DEMAND AREA BY PROPOSED INDUSTRIAL AREA OR RESIDENTIAL AREA
- PROPOSED WATER SERVICE AREA

14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations
<p>Functional Level</p> <p><input type="checkbox"/> Island Minimum Project</p> <p><input checked="" type="checkbox"/> Island Basic Project</p> <p><input type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input checked="" type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input checked="" type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input type="checkbox"/> Special Financial Building at Local Level</p> <p><input type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation In Funding</p> <p><input checked="" type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input checked="" type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>	<p>Organization of water supply service will be changed into water district (WD) from under the City by considering the future financial condition.</p>

PROPOSED PROJECT PROFILE
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Project No. WR-11		Project Title METRO CEBU RETARDING MINI-DAMS DEVELOPMENT PROJECT		Economic Sector Environment	
Project Location Mananga, Balamban, Kotkot river and Metro Cebu rivers		Project Priority <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input type="checkbox"/> Long-term		Project Duration 3 to 4 years	
				Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others	
1. Summary of Objectives - To retard the soil erosion - To conserve the aquifer - To reduce the flood peak discharge - To generate job opportunity in rural area			2. Target Beneficiaries Inhabitants along the Metro Cebu rivers and Metro Cebu with using aquifer		
3. Project Description - To construct many mini-dam which is made by gabion, and 1.8 m height, proposed some 80 dams in 8 Metro Cebu rivers and some 280 dams in Western Central Cebu area			4. Expected Benefits / Outputs - Mini-dam construction and giving the job opportunity in rural area		
5. Important Assumptions / Conditions for the Project - To refer " Retarding dam feasibility study for eight Metro Cebu rivers and Feasibility Study of 450 Mini-dam Sites (phase II) in the Province of Cebu", water Resources Center			6. Project Linkages / Other Sector Linkages Cebu community-base resource management project		
7. Estimated Investment Requirement (In 1993 prices) For Project Implementation in Total : _____ 28 _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ 1 _____ Mill. Pesos			8. Implementing Agency/Body LWUA or LGUs		
			9. Relevant Agencies to Be Coordinated LGUs and DPWH		
10. A Provisional Scheme for Fund Procurement <input checked="" type="checkbox"/> Central Government <input checked="" type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others			11. Private Sector Participation Water Resources Center and NGOs		
12. Environmental Measures					
Technical Measures: <input checked="" type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input checked="" type="checkbox"/> Implement Jointly Environmental Engineering Work <input checked="" type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input checked="" type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)			Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input checked="" type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input checked="" type="checkbox"/> Train Management Skill/Personnel for the Project <input checked="" type="checkbox"/> Make a Consensus with Inhabitants <input checked="" type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)		

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
Prepared by the JICA Study Team, 1993-1994

(2/2)

Project No. WR-11	Project Title METRO CEBU RETARDING MINI-DAMS DEVELOPMENT PROJECT																													
<p>13. Verifiable Indicators / Information / Drawings</p> <p>- PROPOSED DAM SITE (URGENT PROGRAM)</p> <p>In 8 Metro Cebu rivers</p> <table border="0"> <tr><td>Pardo</td><td>6</td></tr> <tr><td>Kinalumsan</td><td>7</td></tr> <tr><td>Guadalupe</td><td>20</td></tr> <tr><td>Lahug</td><td>12</td></tr> <tr><td>Mahiga</td><td>10</td></tr> <tr><td>Masipit</td><td>4</td></tr> <tr><td>Budlaan</td><td>15</td></tr> <tr><td>Butuanon-Cambaog</td><td>13</td></tr> </table> <p>In the Western Central Cebu</p> <table border="0"> <tr><td>Balamban 1</td><td>92</td></tr> <tr><td>Balamban 2</td><td>56</td></tr> <tr><td>Pundol</td><td>19</td></tr> <tr><td>Buanoy</td><td>29</td></tr> <tr><td>Talavera</td><td>77</td></tr> <tr><td>Cantabaco</td><td>10</td></tr> </table>			Pardo	6	Kinalumsan	7	Guadalupe	20	Lahug	12	Mahiga	10	Masipit	4	Budlaan	15	Butuanon-Cambaog	13	Balamban 1	92	Balamban 2	56	Pundol	19	Buanoy	29	Talavera	77	Cantabaco	10
Pardo	6																													
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14. Project Classification	15. Necessary Inputs/Arrangement	16. Special Considerations																												
<p>Functional Level</p> <p><input checked="" type="checkbox"/> Island Minimum Project</p> <p><input type="checkbox"/> Island Basic Project</p> <p><input type="checkbox"/> Island Strategic Project</p> <p>Project Orientation</p> <p><input type="checkbox"/> Regional Economic Drive</p> <p><input type="checkbox"/> Social Development Drive</p> <p><input checked="" type="checkbox"/> Environmental Drive</p>	<p><input type="checkbox"/> National Government Involvement</p> <p><input checked="" type="checkbox"/> Initiatives of Local Government Units</p> <p><input type="checkbox"/> Institutional Arrangement at Local Level</p> <p><input checked="" type="checkbox"/> Special Financial Building at Local Level</p> <p><input checked="" type="checkbox"/> Special Fund Allocation by Central Govern't</p> <p><input type="checkbox"/> International Financial Assistance (Grant)</p> <p><input type="checkbox"/> International Financial Assistance (Loan)</p> <p><input type="checkbox"/> Private Sector Participation in Funding</p> <p><input checked="" type="checkbox"/> Maximum Utilization of Local Technologies</p> <p><input type="checkbox"/> International Technical Assistance</p> <p><input type="checkbox"/> Others (as specified in Box)</p>																													

POWER AND ENERGY SUPPLY

Power and Energy Supply

Short- and Medium-Term Projects and Programs (Up to 2005)

- *PE01: Inter-connection Between Luzon, Mindanao, Cebu and Negros
- *PE02: Development of the Control Center for Power Transfer
- *PE03: Review/Clarification of the Peak Demand Forecasts in the Plan
- *PE04: Development of New Power Generation Plants in Cebu Grid with a total of 400MW capacity:
- *PE05: Rehabilitation of Existing major Plants
- *PE06: Facilitation of Rural Electrification Program

Long-Term Projects and Programs (2005-2010)

- PE07: Development of Non-Conventional Energy for Rural Local Area
- PE08: Development of Power Plant in Long-Term

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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Project No. PE-01	Project Title INTERCONNECTION BETWEEN LUZON, MINDANAO, CEBU AND NEGROS		Economic Sector Infrastructure
Project Location Luzon, Mindanao, Leyte, Cebu and Negros		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5~7 Years
1. Summary of Objectives To maximize the use of indigenous energy, improve overall system reliability and reduce capacity requirement through pooling reserves.			2. Target Beneficiaries To improve power system stability.
3. Project Description To formulate one integrated grid for Luzon, Mindanao, Leyte, Cebu and Negros interconnections by the marine cable were planned between Luzon and Leyte, Luzon and Mindanao, Leyte and Cebu, and Negros and Cebu within 1996 to 1998.			4. Expected Benefits / Outputs To be expected to increase flexibility of power transfer.
5. Important Assumptions / Conditions for the Project To be necessary the control center to control the power transferring.			6. Project Linkages / Other Sector Linkages
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos			8. Implementing Agency/Body NAPOCOR
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others			9. Relevant Agencies to Be Coordinated
12. Environmental Measures Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)			11. Private Sector Participation Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Polluter-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env't Awareness <input type="checkbox"/> Others (as specified in Box 16)

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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(1/1)

Project No. PE-02	Project Title DEVELOPMENT OF THE CONTROL CENTER FOR POWER TRANSFER		Economic Sector Infrastructure
Project Location Metro Cebu		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5~7 Years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives To be effective and efficient for the power transfer within each grids in the Visayas. Control and supervision of the power plants and inter-connection of transmission line for stable operation of the grid.		2. Target Beneficiaries To improve stability and effective accommodation of power within each grids in Visayas.	
3. Project Description To acquire the data power flow, voltage, frequency and reactive power, etc. which is necessary to compute the power accommodation, voltage, frequency and reactive power control by computerized control system.		4. Expected Benefits / Outputs To respond quickly to compensate the power system when large scale power plants or main transmission line to be out of service. To improve overall system reliability and reduce capacity requirement through effective power accommodation.	
5. Important Assumptions / Conditions for the Project Power control centers are necessary in each grid and central control center shall be installed in Metro Manila to control each control center to be functioned total integrated grid.		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (In 1993 prices) For Project Implementation in Total : _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body NAPOCOR	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated	
11. Private Sector Participation		12. Environmental Measures	
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
 Prepared by the JICA Study Team, 1993-1994

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Project No. PE-03	Project Title REVIEW/CLARIFICATION OF THE PEAK DEMAND FORECAST IN THE PLAN		Economic Sector Infrastructure
Project Location Cebu Province		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5~7 Years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives To plan suitable power developments according to the accurate peak demand forecast.		2. Target Beneficiaries To improve power balance in Cebu grid.	
3. Project Description To forecast peak power demand correctly, and plan the suitable power development in Cebu grid.		4. Expected Benefits / Outputs To improve the reliability and power balance in Cebu grid.	
5. Important Assumptions / Conditions for the Project To prepare power plant of barge or fast truck for emergency.		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body NAPOCOR	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated	
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Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
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(1/1)

Project No. PE-04	Project Title DEVELOPMENT OF NEW POWER GENERATION PLANTS IN CEBU GRID WITH A TOTAL OF 400 MW CAPACITY		Economic Sector Infrastructure
Project Location Cebu		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5~10 Years
		Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others	
1. Summary of Objectives To install additional power plant in Cebu grid except for the development plan prepared by the government. Additional plants are two units of 200 MW combined cycle system to be recommended.		2. Target Beneficiaries Improvement of power shortage.	
3. Project Description Time limit of installation of the plants are one unit by 2000 and another one unit by 2002.		4. Expected Benefits / Outputs To be expected to increase power system reliability.	
5. Important Assumptions / Conditions for the Project Project location is recommended at Metro Cebu area and Naga Coal Power Plant sites.		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body NAPOCOR	
		9. Relevant Agencies to Be Coordinated	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____ %) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		11. Private Sector Participation	
12. Environmental Measures			
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use (_____) <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Polluter-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

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for Cebu Integrated Area Development
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Project No. PE-05	Project Title REHABILITATION OF EXISTING MAJOR PLANTS		Economic Sector Infrastructure		
Project Location Naga and Toledo		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5~7 Years		
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others					
1. Summary of Objectives To improve the activity of power generation.		2. Target Beneficiaries To improve the activity of power generation.			
3. Project Description To reconstruct the Naga coal thermal plant to combined cycle plant and to expect increasing of generating capacity. To rehabilitate Cebu Diesel I and II plant to increase plant factor and efficiency.		4. Expected Benefits / Outputs Grade up the capacity and to improve the efficiency of the power plant.			
5. Important Assumptions / Conditions for the Project During reconstruction period for Naga coal thermal power plant, the barge of fast truck power plant shall be necessary for substitutional power plant.		6. Project Linkages / Other Sector Linkages			
7. Estimated Investment Requirement (In 1993 prices) For Project Implementation in Total : _____Mill. Pesos 1) _____Mill. Pesos 2) _____Mill. Pesos 3) _____Mill. Pesos For Annual Recurrent Expenditure for O & M: _____Mill. Pesos		8. Implementing Agency/Body NAPOCOR			
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____%) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated			
11. Private Sector Participation		12. Environmental Measures			
<table border="0"> <tr> <td>Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16) </td> <td>Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16) </td> </tr> </table>				Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16)
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)	Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'r'l Awareness <input type="checkbox"/> Others (as specified in Box 16)				

PROPOSED PROJECT PROFILE
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Project No. PE-06	Project Title FACILITATION OF RURAL ELECTRIFICATION PROGRAM		Economic Sector Infrastructure
Project Location Cebu Province	Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5~7 Years	Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others
1. Summary of Objectives To improve the life quality for the peoples in rural un-electrified area.		2. Target Beneficlarles Grade up of the life quality.	
3. Project Description To expand the distribution lines and facilities and emphasize the utilization of solar voltaic power supply system.		4. Expected Benefits / Outputs To give the new information to grade up educational and cultural knowledge for the people in rural area.	
5. Important Assumptions / Condtlions for the Project To give the financial and technical assistance by the government agency.		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body NEA	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Potion: _____%) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated	
11. Private Sector Participation		12. Environmental Measures	
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnet for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Env'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

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 Prepared by the JICA Study Team, 1993-1994

(1/1)

Project No. PE-07	Project Title DEVELOPMENT OF NON-CONVENTIONAL ENERGY FOR RURAL LOCAL AREA		Economic Sector Infrastructure
Project Location Cebu Province		Project Priority <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Medium-term <input type="checkbox"/> Long-term	Project Duration 5~10 Years
1. Summary of Objectives To develop the application of non-conventional energy for local indigenous energy.		2. Target Beneficiaries Expansion of rural electrification and reduce imported energy.	
3. Project Description Utilization of solar, agriwaste, animal waste and wind energy. Detailed projects are as follows: solar water heater, solar heat absorption chiller, photo-voltaic electricity supply, system for rural electrification, photo-voltaic electricity supply system for water supply pump, battery charging station, solar desalting system, windmill power generation system, and biomas methane gas generator plant.		4. Expected Benefits / Outputs To reduce imported energy and financial burden to the government.	
5. Important Assumptions / Conditions for the Project To give the financial and technical assistance to the users by government agency.		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body NEA / OEA	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____%) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated	
11. Private Sector Participation		12. Environmental Measures	
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envir'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

PROPOSED PROJECT PROFILE
for Cebu Integrated Area Development
Prepared by the JICA Study Team, 1993-1994

(1/1)

Project No. PE-08	Project Title DEVELOPMENT OF POWER PLANT IN LONG TERM		Economic Sector
Project Location Cebu Province		Project Priority <input type="checkbox"/> Urgent <input type="checkbox"/> Medium-term <input checked="" type="checkbox"/> Long-term	Project Duration 7~10 Years
Type of Project <input type="checkbox"/> F/S Study or Survey <input checked="" type="checkbox"/> Development Project <input type="checkbox"/> Packaged Program <input type="checkbox"/> Institutional Building <input type="checkbox"/> Others			
1. Summary of Objectives Development of new power plant of 600 MW capacity up to year 2010.		2. Target Beneficiaries Improve the power supply stability.	
3. Project Description Two (2) or three (3) units of total capacity of 600 MW power plant development up to year 2010.		4. Expected Benefits / Outputs Improve power system reliability.	
5. Important Assumptions / Conditions for the Project A vast of investment cost will be necessary and shall be emphasized to anticipate the private sector into power development.		6. Project Linkages / Other Sector Linkages	
7. Estimated Investment Requirement (in 1993 prices) For Project Implementation in Total : _____ Mill. Pesos 1) _____ Mill. Pesos 2) _____ Mill. Pesos 3) _____ Mill. Pesos For Annual Recurrent Expenditure for O & M: _____ Mill. Pesos		8. Implementing Agency/Body NAPOCOR	
10. A Provisional Scheme for Fund Procurement <input type="checkbox"/> Central Government <input type="checkbox"/> Local Government <input type="checkbox"/> International Assistance Funds (Foreign Portion: _____%) <input type="checkbox"/> Private Sector Involvement (as specified in Box 11) <input type="checkbox"/> Specially Organized Fund (as specified in Box 16) <input type="checkbox"/> Others		9. Relevant Agencies to Be Coordinated	
11. Private Sector Participation		12. Environmental Measures	
Technical Measures: <input type="checkbox"/> Conduct In-Depth Environmental and Social Impact Studies <input type="checkbox"/> Install Pollution Protection Facilities/Equipment <input type="checkbox"/> Implement Jointly Environmental Engineering Work <input type="checkbox"/> Examine the Project Location Site and/or Scale <input type="checkbox"/> Examine Availability of Alternative Resource Use () <input type="checkbox"/> Undertake Protection Measures for Flora and Fauna <input type="checkbox"/> Implement Jointly Social and Community Development <input type="checkbox"/> Others (as specified in Box 16)		Administrative Measures <input type="checkbox"/> Adjust with Land Use Zoning <input type="checkbox"/> Coordinate with Environmental Sector Guidelines <input type="checkbox"/> Undertake Periodical Environmental Monitoring <input type="checkbox"/> Apply policy of PPP (Pollutor-Pay-Principle) <input type="checkbox"/> Train Management Skill/Personnel for the Project <input type="checkbox"/> Make a Consensus with Inhabitants <input type="checkbox"/> Promote Public Relation for Envr'l Awareness <input type="checkbox"/> Others (as specified in Box 16)	

