

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
C-13	Starch (or Modified Starch) from Cassava	Lampung, South Sumatra	I	- More value added	H
C-14	Coconut Oil Processing	Jambi, South Sumatra	I	- Utilization of coconuts	H
C-15	Frozen Tuna and Shrimps	South Sumatra	I	- M. 3,194 ton/year (3 enterprises)	On-going (private)
C-16	Canning of Fruits, Vegetables and Fishes	All provinces	I	- Best preserving way - Seasonal demand/supply gap	L
C-17	Dehydration of Vegetables (onion, carrot, ginger, peas, etc.)	All provinces	T	- Technologies to be introduced	L
C-18	Frozen Vegetables and Fruits (ex. "edamame")	All provinces	I	- High price goods bearing air fare	L
C-19	Instant Coffee/Cocoa	All provinces	I	- Robusta is good for instant coffee	L
C-20	Mushroom Fed on Saw-Dust	All provinces	I	- Utilization of waste saw-dust	M
C-21	Banana Chips	All provinces	I	- Preserved food	L
C-22	Pickles of Cucumber, Ginger, etc.	All provinces	I	- Preserved food to be exported	L
C-23	Sumatra Tea Bag	All provinces	I	- For souvenir	L
C-24	Iodine from Sea-Weed	Bengkulu, Lampung	I	- Feasibility study is necessary	L
C-25	Dried Sea-Weed	Bengkulu, Lampung	I	- Feasibility study is necessary	L
C-26	Sesame Oil	Mountainous areas	I	- Possibility of growing sesame should be studied at first	L
C-27	Soybean Oil	All provinces	I	- Feasibility study is necessary	L
C-28	Peanuts Oil/ Peanuts Butter	All provinces	I	- Feasibility study is necessary	L
C-29	Craft Manufacturing	All provinces	I	- By small and cottage industry	L
C-30	Consumer Goods Manufacturing	All provinces	I	- By regional enterprises	L
C-31	Wood Wool Cement Board	All provinces	I	- Joint with cement from Baturaja	M

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
C-32	Fiber Board	All provinces	I	- Utilization of by-products	M
C-33	Particle Board	All provinces	I	- Utilization of by-products/ waste	M
C-34	Furniture or Modules of Furniture	All provinces	I	- More value added	M
C-35	Pulp and Paper Manufacturing	Jambi, South Sumatra, Lampung	I	- Utilization of wood resources	L
C-36	Rubber Processing	Lampung	I	- M. Gloves 12 mil.pcs/yr	On-going (private)
C-37	Rubber Processing (Molds, Die-Cuttings, Balls etc.)	All provinces	I	- More value added	M
C-38	Urea Fertilizer	Palembang	I	- M. P.T.Pusri 570,000 ton/yr	On-going (private)
C-39	Purified Terephthalic Acid	Palembang	I	- M. P.T.Pertamina 75,000 ton/yr	On-going (private)
C-40	Polypropylene	Palembang	I	- M. P.T.Megaguna etc. 125,000 ton/yr	On-going (private)
C-41	Formaldehyde Resin	Palembang	I	- M. P.T.Uforin Prajen Adhesive 45,000 ton/yr	On-going (private)
C-42	Acrylonitrile Butadiene Styrene	Palembang	I	- M. P.T.Bentala Agung Perdana 3,600 ton/yr	On-going (private)
C-43	Glutamic Acid/Monosodium Glutamate	Lampung	I	- M. P.T.Mono Sari Glutama 18,000 ton/yr each	On-going (private)
C-44	Woven Bags for Sugar, etc.	Lampung	I	- Made of PP film	L
C-45	Building Materials	South Sumatra	I	- Ceramics, bricks, etc.	L
C-46	Non-Ferrous Metal Processing	All provinces	I	- Handicrafts	L
C-47	Light Engineering	All provinces	I	- By regional enterprises	L
C-48	Poultry/Fish Feeds	South Sumatra	I	- Utilization of by-products	L

4. MINING/ENERGY

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
D-1	Coal-Fired Thermal Power Plant	Muara Bungo (Jambi)	T, F	- F/S including coal supply from Rantau Pandan - Detailed design of power plant and system interconnection	M
D-2	Boring Exploration in Rantau Pandan Coal Field	Muara Bungo (Jambi)	T, F	- Boring exploration and coal analysis - Estimation of coal reserve	M
D-3	Gas-Fired Thermal Power Plant	Kramasan (Palembang)	T, F	- F/S on the rehabilitation of the existing units and the new construction of gas combined cycle power plant - Detailed design and construction of power plant	H
D-4	City Gas Delivery System	Palembang	T	- F/S and detailed design	M
D-5	Integrated Energy Center	Palembang	T, F	- F/S and detailed design	L
D-6	Technical Renovation of Tin Mining	Bangka, Belitung	T	- F/S - Improvement planning - Industrial adjustment planning	L
D-7	Exploration of Rare Earth Metals	Bangka, Belitung	T	- Detailed exploration of rare earth metals associated with the secondary tin deposit - Systematical analysis	M
D-8	Mine Mouth Coal-Fired Thermal Power Plant	Tanjung Enim (South Sumatra)	T, F	- F/S on-going (JICA)	H
D-9	Coal Development in Muara Tiga Besar and N.W. Banko Fields	Kab. Muara Enim (South Sumatra)	I	- Mine development on-going (PT. Bukit Asam)	H
D-10	Coal Gasification Plant	Kab. Muara Enim (South Sumatra)	T, F	- Effective utilization of Banko coal - Engineering study including a test - Construction of a plant	M

Notes:

Suggested Type of Implementation indicates:

R: Government self-financed ("Rupiah project")

T: requires technical assistance

F: requires financial assistance

I: private investment

Priority is indicated as:

H: high M: medium L: low

Shaded projects are IDEP components. Bold letter projects are prefeasibility projects.

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
D-11	Boring Exploration in Musi Rawas Coal Field	Kab. Musi Rawas (South Sumatra)	T, F	- Boring exploration and coal analysis - Estimation of coal reserve	M
D-12	Effective Utilization of Overburden Clay Layer	Tanjung Enim (South Sumatra)	T	- F/S on the effective utilization of overburden clay layer of coal mining area	L
D-13	Boring Exploration around Tanjung Enim	South Sumatra	I	- Boring exploration - Detailed estimation of coal reserve	M
D-14	Mining School	Palembang	T	- F/S and detailed design	L
D-15	Coal Center	Pulau Baai (Bengkulu)	T, F	- F/S - Detailed design and construction	M
D-16	Briquettes Promotion Project	Pulau Baai (Bengkulu)	T, F	- F/S and demonstration test - Construction of commercial plant	H
D-17	Coal-Fired Thermal Power Plant	Bengkulu (Bengkulu)	T, F	- F/S - Coal utilization of Bengkulu province	M
D-18	Geothermal Survey around Tes	Tes (Bengkulu)	T	- F/S including boring exploration	L
D-19	Geothermal Survey around Kalianda	Kalianda (Lampung)	T	- F/S including boring exploration	L
D-20	Geothermal Power Development around Ulubelu	Ulubelu (Lampung)	T, F	- F/S including pilot boring - Project engineering and implementation	H
D-21	Way Semangka Hydro-Power Development	Way Semangka (Lampung)		- See 6 Water Resources	H
D-22	Coal-Fired Thermal Power Plant	Kotabumi (Lampung)	T	- F/S on thermal power plant of FBC type	M
D-23	Power System Interconnection	Four provinces	T, F	- Extension of power system - Planned and partly on-going	H
D-24	Sumatra-Java Power System Interconnection	Tanjung Enim--Tarahan-Java	T, F	- F/S on-going (JICA)	H
D-25	Master Plan for Coal Development	Four provinces	T	- M/P for coal development strategy in the southern part of Sumatra	H

5. TOURISM

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
JAMBI					
E-1	Muara Jambi Archaeological Park Development	Jambi	F, T	<ul style="list-style-type: none"> - Excavation and conservation of the ancient ruins - River transportation and cruise development 	L
E-2	Integrated Tourism Development of Kerinci Lake	Sungai Penuh	R, T, I	<ul style="list-style-type: none"> - Tourism related infrastructure and facility development - Agro-tourism development - Natural environmental conservation and recreational use - Tourism master plan study 	M
E-3	Kubu Anthropological Tourism Development	Bukit Dua Belas	T, I	<ul style="list-style-type: none"> - Anthropological and eco-tourism development - Natural and ecological conservation - Tourism-related facility development - Historical monument conservation 	L
E-4	Berbak National Park Tourism Development	Tanjung Jabung	T, I	<ul style="list-style-type: none"> - Natural environment conservation - Tourism-related infrastructure and facility development - Tourism master plan study 	M
E-5	Batang Asai National Boat Race Promotion	Batang Asai, Jambi	I	<ul style="list-style-type: none"> - Events combined with boat race and eco-tourism - Publicity concerning the race 	L
SOUTH SUMATRA					
E-6	Old Quarter Rehabilitation and Conservation	Palembang	F, T, I	<ul style="list-style-type: none"> - Living condition improvement - Housing rehabilitation - Beautification of townscape - Tourism facility development - Infrastructure improvement 	L
E-7	Sriwijaya Archaeological Park-Museum Development	Palembang	R, T	<ul style="list-style-type: none"> - Development of park-museum with recreational attraction 	L

Notes:

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Priority is indicated as:

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No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
E-8	Bangka Island Tourism Development	Bangka	F, T, I	- Tourism master plan study - Tourism related infrastructure and facility development - Promotion of private investment	M
E-9	Belitung Island Tourism Development	Belitung	F, T, I	- Master plan study - Tourism related infrastructure and facility development - Promotion of private investment	H
E-10	Bayunglincir Tourism Development	Bayung Lincir	T, I	- Eco-tourism development and promotion - Tourism facility development	L
E-11	Sriwijaya Festival Promotion	South Sumatra	R, I	- Events in Sriwijaya Archaeological Park-Museum - Publicity of the festival	L
BENGGULU					
E-12	Old Quarter Rehabilitation and Conservation	Bengkulu	T, I	- Commercial/housing facility rehabilitation and conservation - Infrastructure improvement	L
E-13	Rafflesia Reserve and Institute Establishment	Tabah Penanjung	R, T	- Rafflesia reserve park and study institute establishment - Information system improvement	L
E-14	Taman Hutan Raya National Park Development		R, T, I	- Natural environment conservation - Tourism facility development	L
E-15	Promotion of Tabot Festival	Bengkulu	R, I	- Events related to religious ceremony - Publicity of the ceremony	L
LAMPUNG					
E-16	Krakatau Tourism Development	Krakatau Natural Reserve Sebesi Island	T, I	- Tourism related infrastructure and facility development on Sebesi Island	H
E-17	Merak Belantung Beach Resort Development	Merak Belantung	I	- Tourism facility development	On-going (KTDC)
E-18	Way Kambas National Park Tourism Development	Way Kambas	T, I	- Eco-tourism development - Tourist facility development - National park facility improvement	H
E-19	Krui Beach Resort Development	Krui	R, I	- Tourism-related infrastructure and facility development	L

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
E-20	Agro-Tourism Development	Bergen	I	<ul style="list-style-type: none"> - Tourism use of agricultural (rubber and oil palm) plantations - Promotion of agro-tourism 	M
E-21	Bandar Lampung Waterfront and Tourism Facility Development	Bandar Lampung	I	<ul style="list-style-type: none"> - Tourism facility development - Waterfront development 	M
E-22	Krakatau Festival Promotion	Lampung	I	<ul style="list-style-type: none"> - Events combined with Krakatau tourism 	L
INTERPROVINCE					
E-23	Tourism/Tourism Related Industry Training Program	Four provinces	F, T, I	<ul style="list-style-type: none"> - Training program and facility of the government and private sector 	M
E-24	Integrated Tourism Development of Ranau Lake	South Sumatra Bengkulu Lampung	R, T, I	<ul style="list-style-type: none"> - Tourism facility development and improvement - Natural environment conservation and recreational use 	L
E-25	Bukit Barisan Anthropological/Cultural Tourism Development	South Sumatra Bengkulu Lampung	R, T, I	<ul style="list-style-type: none"> - Tourism facility development and improvement - Natural environment conservation and recreational use - Lahat archaeological monument conservation 	L
E-26	Promotion of Southern Sumatra Region Tourism		R, T, I	<ul style="list-style-type: none"> - Promotion and events combining the four provinces' tourism activities 	M

6. WATER RESOURCES

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
F-1	Batang Hari Integrated Basin Development Plan	Jambi and West Sumatra Provinces	T	- Basin-wide water resources development plan with priority ranking for development - Basin-wide flood control plan considering the basin spatial plan, structural measures and non-structural measures - Basin-wide sediment control plan together with basin conservation plan	H
F-2	Master Plan for Jambi Water Supply and Sewerage System	Jambi City	T	- Long term water supply plan - Long term sewage treatment plan - Institutional set-up combined water supply agency with sewage treatment agency - See also 9 Urban and Rural Development	L
F-3	Batang Sangkir and Lake Kerinci Basins Flood and Sediment Control Project	Kerinci	T	- Formation of basin-wide flood control plan - Select urgent works for implementation	M
F-4	Feasibility Study of Batang Tabir Irrigation Development	Sarolangun Bangko	T	- New irrigation scheme with 50,000 ha, identified by ADCA Study in 1989	L
F-5	Tungkal River Irrigation Development Project	Tanjung Jabung	T,F	- Improvement of the existing rainfed paddy field with an area of 15,000 ha	L
F-6	Detailed Design of Merangin-2 Hydropower Plant	Kerinci	F	- Reservoir type with 340MW of installed capacity	L
F-7	Feasibility Study of Merangin-5 Hydropower Plant	Sarolangun Bangko	T	- Run-of river type with 24MW of installed capacity	L
F-8	Integrated Swamp Development Project	Tanjung Jabung	T	- Drainage canal work with gated structures - Water supply for drinking, industrial and inland-fishery	On-going (IBRD)

Notes:

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T: requires technical assistance

F: requires financial assistance

I: private investment

Priority is indicated as:

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No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
F-9	Master Plan for Palembang Urban Drainage and Sewerage Treatment System	Palembang City	T	<ul style="list-style-type: none"> - Long term drainage system expansion plan - Detail assessment of the combination between urban drainage and sewerage treatment systems - Pre F/S for Banyuasin flood way for smooth drainage for Palembang city - See also 9 Urban and Rural Development 	M
F-10	Feasibility Study for Palembang Water Supply	Palembang City	F	Plan formulation for water supply for Palembang City, including water treatment plant and distribution network plan targeting water demand after 1995	L
F-11	Implementation of Upper Komering Irrigation Project	Ogan Komering Ulu	F	- New irrigation scheme with 42,155ha, currently under construction	On-going (OECF)
F-12	Lower Komering Integrated Agriculture Development Project	Ogan Komering Ilir	T	- New irrigation scheme with 28,470ha, identified as second priority in MRBS in 1989	H
F-13	Feasibility Study for Air Malus Irrigation Development Project	Musi Rawas	T	- New irrigation scheme with 1,500ha, identified as first priority in MRBS in 1989	M
F-14	Upper Musi River Basin Water Resources Development Project	Musi Banyuasin, Musi Rawas, Lahat	T	- Selecting priority schemes for irrigation development and carrying out feasibility study among the identified potential schemes with a total area of 280,000 ha	M
F-15	Rehabilitation and Expansion of Irrigation Schemes in Kabupaten Lahat	Lahat	T, F	<ul style="list-style-type: none"> - Air Mülak 2,207 ha - Air Keruh 1,531 ha - Lintan Kanan 3,509 ha - Identified as quick yielding schemes in MRBS in 1989 	H
F-16	Feasibility Study for Lematang-4 Hydropower Development Project	Lahat	T	- Hydropower development with an installed capacity of 83MW and high-dam	L
F-17	Feasibility Study for Sekayu Irrigation Project	Musi Banyuasin	T	- New irrigation scheme with 13,000ha, identified as second priority in MRBS in 1989	L
F-18	Feasibility Study for Banyuasin Floodway	Palembang City and Musi Banyuasin	T	- River diversion planning of Musi River for flood mitigation of Palembang City	L
F-19	Detailed Design for Ranau Hydropower Plant	Ogan Komering Ulu	F	- Lake outlet type with 60MW of installed capacity	L
F-20	Pumped Irrigation Pilot Project for Air Sugihan Swamp Reclamation Area	Musi Banyuasin	F, T	- Pilot project to research upgrading production efficiency for swamp paddy field	L
F-21	Swamp Improvement Project for Air Limau and Air Sugihan	Musi Banyuasin	F	- Agricultural infrastructure improvement for the existing transmigration area	L

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
F-22	Master Plan for Bengkulu Sewerage Treatment	Bengkulu City	T	- Long term sewerage treatment plan - Institutional set-up combined water supply agency with sewerage treatment agency - See also 9 Urban and Rural Development	L
F-23	Muko-Muko Kanan Irrigation Development Project	Bengkulu Utara	F	- New irrigation scheme at the existing transmigrasi area with 4,919 ha of command area	M
F-24	D/D and Implementation of Air Selagan Irrigation Scheme	Bengkulu Utara	F	- New irrigation scheme with 4,200 ha, identified by JICA	L
F-25	Construction of Musi-1 Hydropower Plant	Rejang Lebong	F	- Run-of-river type with 111MW of installed capacity	On-going (OECE)
F-26	Detailed Design of Kutahun-1 Hydropower Plant	Rejang Lebong	F	- Run-of-river type with 84MW of installed capacity	L
F-27	Feasibility Study for Tes-2 Hydropower Plant	Rejang Lebong	T	- Run-of-river type with 17MW of installed capacity	L
F-28	Manna-1 Hydropower Development Project	Bengkulu Selatan	F	- Trans-basin scheme with 77.2 MW of the installed capacity - Construction of transmission line between Bengkulu-Manna-Pagar Alam is included	M
F-29	Peninjauan Swamp Land Development Project	Bengkulu Selatan	T	- Drainage canal work with gated structure for non-rice crops development	H
F-30	Water Allocation Study for Way Sekampung River Basin	Lampung Selatan, Bandar Lampung	T	- Consideration of the optimum usage of Batutege dam and reservoir - Review of water allocation among irrigation, municipal and industrial water - Installation of basin-wide water management system	H
F-31	Master Plan for Bandar Lampung Sewerage Treatment System	Bandar Lampung City	T	- Long term sewerage treatment plan - Institutional set-up combined water supply agency with sewerage treatment agency - See also 9 Urban and Rural Development	M
F-32	Implementation of Batutege Multi-Purpose Dam and Reservoir Project	Lampung Selatan	T,F	- D/D and construction of Batutege dam and reservoir - Installation of reservoir management system for multi-objective reservoir operation	On-going (OECE)
F-33	Implementation of Way Rarem Irrigation Project	Lampung Utara	F	- New irrigation scheme with 27,000ha, currently under construction	On-going (OECE)

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
F-34	Tulang Bawang River Basin Irrigation Development Project	Lampung Utara	T, F	<ul style="list-style-type: none"> - 4 schemes of new irrigation development selected as the first priority project in MSJ-TLB M/P Study in 1989 - Way Pedada: 13,550 ha - Bumi Abung: 8,225 ha - Way Bahuga/Saka: 12,600ha - Quick yielding schemes: 19,200 ha 	H
F-35	Way Mesuji and Way Agung Irrigation Development Project	Lampung Utara	T, F	<ul style="list-style-type: none"> - New irrigation scheme with 20,980ha, identified in MSJ-TLB M/P Study in 1989 	M
F-36	Lampung Selatan Flood Control and Sabo Project	Lampung Selatan	T	<ul style="list-style-type: none"> - Formulation of basin-wide flood control and sobo plan - Select urgent works for implementation 	M
F-37	Way Semangka Hydropower Development Project	Lampung Selatan Lampung Barat	T	<ul style="list-style-type: none"> - Feasibility study for the identified three hydropower schemes with a total power generation capacity of 210 MW 	H
F-38	Construction of Besai-1 Hydropower Plant	Lampung Utara	F	<ul style="list-style-type: none"> - Run-of-river type with 90 MW of installed capacity 	On-going (OECF)
F-39	Integrated Small Rivers Development Project	Bengkulu Selatan Lampung Barat	T, F	<ul style="list-style-type: none"> - Installation of hydrological observation system - Identify small scale irrigation potential sites with economic analysis - Identify micro-hydropower potential sites for rural electrification - Identify river improvement and sabo dam sites 	M
F-40	Rural Water Supply for the Eastern Coastal Swamp Area	Tanjung Jabung, Batanghari, Musi Banyuasin and Ogan Komering Ilir	F, T	<ul style="list-style-type: none"> - Research groundwater quality - Identify the adequate potable water resources for each village - Select the priority area for rural water supply project 	H
F-41	Institutional Management Study for PDAM in Provincial Capital Cities	Jambi, Palembang, Bengkulu and Bandar Lampung cities	T	<ul style="list-style-type: none"> - Analysis of present capability in the view of financial, staffing, and technical aspects and so on - Preparation further PDAM figures for system expansion, strengthen maintenance system, and tariff system 	L

7. TRANSPORTATION

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
<u>Airports</u>					
G-1	Sultan Thaha Airport Upgrade	Jambi City	R, F	Runway expansion and navigational improvements for B737/MD80 capability	M
G-2	Depati Parbo Airfield Improvement	Lake Kerinci, Jambi	R	General upgrading for pioneer/public service operations	L
G-3	Sultan Badarudin II Airport Upgrade	Palembang	F	General expansion for A300/MD11 capability, improved navigational capability	H
G-4	Airport Upgrade	Pangkal Pinang	R, F	Runway expansion and navigational improvements for B737/MD80 capability	L
G-5	Airport Upgrade	Tanjung Pandan	R, F	Runway expansion and navigational improvements for B737/MD80 capability	L
G-6	Lubuklinggau Airfield Improvement	Lubuklinggau	R	General upgrading for pioneer/public service operations (new airstrip partially complete)	L
G-7	Padang Kemiling Airport Upgrade	Bengkulu City	R, F	Runway expansion and navigational improvements for B737/MD80 capability	M
G-8	Pioneer Airfield Development	Enggano Island, Mukomuko Bengkulu	R	General upgrading for pioneer/public service operations	L
G-9	Branti Airport Upgrade	Lampung Selatan	R, F	Runway expansion and navigational improvements for B737/MD80 capability	M
<u>Railroads</u>					
G-10	Rail Line to West Sumatra	South Sumatra, Jambi, West Sumatra	F, I	Linking of Southern and Western Sumatra rail networks	L

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Priority is indicated as:

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No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
G-11	Rail Line to Riau, North Sumatra	South Sumatra, Jambi, Riau, North Sumatra	F, I	Linking of Southern and Northern Sumatra rail networks	L
G-12	New Palembang-Lampung Trunk Line	South Sumatra, Lampung	F, I	New main line linking future South Sumatra port, Palembang, Bandar Lampung and Bakauheni; wide gauge, modern technology	L
G-13	Bakauheni Rail Access Line	Lampung	F, I	Extension of main line from Bandar Lampung to Bakauheni ferry terminal	M
G-14	Bandar Lampung City Rail Bypass Line	Bandar Lampung	F, I	Relocation of main line from city center to periphery	M
G-15	Rail Line to Bengkulu City	Bengkulu	F, I	Extension of western line to link Bengkulu to Palembang and Bandar Lampung	L
<u>Inland Water/Ferry</u>					
G-16	Commuter Docks Improvement (Jambi)	Jambi City	F	Construction of solid river taxi docks on both banks for safer operation in all seasons	L
G-17	River Port Improvements (Jambi)	Jambi City	F	Replacement of small scale docks with solid structures suitable for fluctuating depth conditions	M
G-18	Riverbank Stabilization for Navigable Rivers	Various rivers Jambi, South Sumatra, Lampung	F	Stabilization and anti-erosion measures for Batanghari, Musi, Mesuji and Tulang Bawang rivers	L
G-19	Commuter Docks Improvement (Palembang)	Palembang vicinity	F	Construction and improvement of commuter docks in Musi, Ogan and Komering Rivers	L
G-20	Ferry Landing Improvement (Palembang)	Palembang	F	Improvement of ferry terminal	H
G-21	New Ferry Landing (Muntok)	Muntok, South Sumatra	F	Construction of ferry terminal to replace Kayuarang facility	H
G-22	New Ferry Landing (Bangka, Belitung)	Bangka, Belitung South Sumatra	F	Construction of ferry terminal and access road	M
G-23	Ferry Facilities (Enggano)	Enggano, Bengkulu	F, I	Construction of ferry landings at Enggano, Bengkulu	L
G-24	Ferry Terminal Expansion (Bakauheni)	Bakauheni	F, I	Facilities diversification with new berths, trucking terminal	H

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
Seaports					
G-25	Deep Sea Port Construction (Batang Hari River in Jambi)	Muara Sabak	F, T	Construction of a river port for sea transportation along the Batang Hari River in Jambi province	H
G-26	Deep Sea Port Construction (Jambi)	Sungai Rimau	F, T	Construction of a deep sea port on the east coast of Jambi province	M
G-27	Seaport Improvements (Jambi)	Kuala Tungkal	F	Short-term improvements to physical facilities at Kuala Tungkal in Jambi province	H
G-28	Container Wharf Construction (Jambi)	Talang Duku	F	Construction of a small container wharf at Talang Duku in Jambi province	M
G-29	Deep Sea Port Construction (South Sumatra)	Tanjung Api Api	F, T	Construction of a deep sea port in South Sumatra province	M
G-30	Seaport Improvements (South Sumatra)	Palembang	F	Short-term improvements to physical facilities at Palembang in South Sumatra province	H
G-31	Seaport Construction (Bangka)	Mantong, Bangka	F	Construction of dock for feeder service to Java, Batam, Singapore	M
G-32	Port Containerization Facilities (Pulau Baai)	Pulau Baai Port, Bengkulu	F, I	Installation of container handling equipment	L
G-33	New Port Construction (Enggano)	Enggano, Bengkulu	F	Transfer of all port facilities to superior east coast location	L
G-34	Port Improvement (Mukomuko)	Mukomuko, Bengkulu	F	Improvement of facilities for fishing, light commercial use	L
G-35	Port Improvement (Krui)	Krui, Lampung	F	Improvement of facilities for ferry link to Enggano	L
G-36	Port Improvement (Panjang)	Panjang, Lampung	F, I	Expansion of berth capacity, containerization facilities, bulk handling facilities per master plan	H
G-37	Facilities for Nontraditional Seacraft	Panjang Teluk Betung	F, I	Construction of landing facilities for hovercraft, hydrofoil and speedboat operations	L

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
Roads*					
MULTI PROVINCE					
G-38	Completion of the Eastern Sumatra Highway		T, F	Upgrading of all segments to 9 meter width, 10 ton ESA for heavy vehicles	H
G-39	Muaramandaras (Jambi)-Ketenong (Bengkulu) Road through Kerinci Seblat National Park		F	Reclassify (provincial road), improve	L
JAMBI PROVINCE					
<i>western</i>					
G-40	Bangko-Sungai Penuh-Tapan through Kerinci Seblat National Park		F	Reclassify (national road), improve	H
G-41	Sarolangun Bangko Kecamatan Local Roads Improvement		F	For benefit of local agriculture and Kerinci Seblat National Park	L
<i>central</i>					
G-42	Kotabaru (West Sumatra)-Muaratebo Provincial Road		F	Bridge construction and replacement, road improvement	M
G-43	Muarabungo-Jambi City Road		F	Upgrading for heavy vehicles	M
G-44	Lower Batanghari Kecamatan Local Roads		F	Improvement and expansion of network	M
<i>eastern</i>					
G-45	Sungai Bengkal-Merlung-Pematang Lumut Road		F	Reclassify (provincial road), improve	M
G-46	Tanjung Jabung Kabupaten Local Roads		F	Improvement and expansion of network	M
G-47	Swampland Road to Muara Sabak Port Town		F	Construction and improvement of existing roads	M
G-48	Direct Road Jambi City-Muara Sabak Port Town		F	Construction of a new road	M
G-49	Outer Ring Road for Jambi City		F	Phased completion	L
SOUTH SUMATRA PROVINCE					
<i>western/southern</i>					
G-50	Safety Improvement Program for Mountain and Riverside Routes, Railroad Crossings		T, F	Disaster prevention projects against erosion, landslides, substandard railroad crossings	H

* Reclassification refers to administrative status, i.e., national, provincial or local. Upgrading refers to physical road betterment to a higher standard resulting in greater strength or average speed.

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
G-51	Baturaja-Danau Ranau Road		F	Upgrading for heavy vehicles (partial improvement in progress)	L
G-52	Sarolangun-Sekayu-Botong East-West Trunk Road		F	Upgrading for heavy vehicles Reclassify (national) (partial improvement in progress)	M
central/eastern					
G-53	Mangun Jaya-Muara Beliti Road		F	Improvement of road and bridges	L
G-54	Sekayu-Belimbing Road		F	Improvement of road and bridges	L
G-55	Outer Ring Road for Palembang (northern section)		F	Phased completion	H
G-56	Muarakuang-Tulungselapan Road		F	Reclassify (provincial) and improve	L
G-57	Local Roads Development in Central and Eastern Province		F	Selective construction and improvement, inclusion of non-status (oil, plantation) roads in public network	L
Pulau Belitung					
G-58	Tanjungpandan-Kp Baru-Simpang Empat Road		F	Reclassify (provincial), improve	M
BENGKULU PROVINCE					
G-59	West Coast Road Improvement Program		F	Realignment per coastal erosion threat, disaster prevention Reclassify (national)	M
G-60	Bengkulu City-Ipuh Inland Route		F	Reclassify (provincial) and improve	L
G-61	Local Road Networks Improvement in Upper Mukomuko, Lower Mukomuko and Ketahun Kecamatan		F	Selective construction and improvement	L
G-62	Gateway Highway South Sumatra-Bengkulu City (Kepahiang-Bengkulu Existing Road)		T, F	Reconstruction of 15 km mountainous part of road	H
G-63	Local Roads Network Improvement in Pino, Manna and Three Kaur Kecamatan		F	Selective construction and improvement	L
G-64	Cross Mountain Road Tanjung Iman-Muara Saung-Ujan Mas (South Sumatra)		F	Reclassify (provincial), improve	L
G-65	National and Provincial Mountain Roads Improvement Program		T, F	Disaster prevention and safety improvements	L

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
LAMPUNG PROVINCE					
G-66	Safety Improvement Program for Mountain and Riverside Routes, Railroad Crossings		T, F	Disaster prevention projects against erosion, landslides, substandard railroad crossings	L
western					
G-67	Krui-Biha-Berikunat-Sanggi Road (West Coast Road)		F	Construction as national route for west coast road	M
G-68	Sanggi-Suwoh-Kotabesi Valley Road		F	Upgrading, reclassify (provincial)	L
G-69	Kota Batu-Lombok (Danau Ranau) Road		F	Reclassify (provincial) and improve	L
G-70	Local Roads Improvement Program in Pesisir Selatan		F	Selective construction and improvement in plantation, tourism areas	L
upper province					
G-71	Pakuan Ratu-Sp. Tulang Bawang Road		F	Construction as provincial road	L
G-72	Pakuan Ratu-Negara Ratu Road		F	Reclassify (provincial) and improve	L
G-73	Simpang Sinar Asahan-Rawajitu East-West Swampland Road		F	Upgrading, reclassify (provincial)	L
G-74	Selected Transmigration and Private Roads Improvement Program for Network Development		F	Reclassify (provincial) and improve for inclusion in public network	L
G-75	Rawajitu/Teladas to Seputihsurabaya Swampland Road		F	Construction as provincial road	L
lower province					
G-76	Outer Bypass around Bandar Lampung		F	Arterial road, phased completion	H
G-77	Twin Bay Coastal Road Padang Cermin-Kihuan-Putihdoh-Kotaagung		F	Reclassify (provincial) and improve	L
G-78	Rajabasa Regional Bus Terminal Expansion (Tanjung Karang)		F	Upgrading and expansion of existing terminal facilities	L

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
<u>Technical Assistance</u>					
G-79	Rural Roads Development Project	All provinces	T, F	- Development of road management skills for improved road maintenance and planning at the kabupaten level (continuation of ongoing IBRD programs)	M
G-80	Study of Appropriate Marine Technology	All provinces	T, F	- Study of shallow draft cargo vessels and related technology used in swampland/shallow water navigating areas in other countries to determine suitability for conditions in Sumatra.	H
G-81	Program for the Strengthening of Local Government Capacity for Transportation Management and Planning	All provinces	T, F	- Training of transportation officials at national and provincial levels in areas such as: 1) institutional realignment of resources and responsibilities per decentralization 2) creation of mixed enterprises to operate infrastructure 3) planning in a decentralized and liberalized environment 4) private sector participation in transportation	L

8. TELECOMMUNICATION

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
H-1	Expansion of Exchange System	Major cities	F	- Switching equipment	H
H-2	Expansion of Outside Plant	Major cities	F	- Cable	H
H-3	Expansion of Junction Circuits	Cities of multiple exchange centers	F	- Fiber optic system	M
H-4	Extension of Cross-Sumatra Microwave System	Palembang to Muntok, Sungai Liat, Pangkal Pinang, Koba, Tanjung Pandan and Manggar	F	- Terrestrial system with big capacity	On-going (Credit Lyonnais)
H-5	Terrestrial Transmission System Extending from Trans- and Cross-Sumatra Transmission Systems	To Sungaipenuh, Muara Bungo, Kuala Tungkal, Muaraaman, Manna, Bintuhan, Pendopo, Muaradua, Krui, Kotaagung, Wayrata, Kalianda, Jepara, Menggala, and others	F	- Locations which are currently accessible only via satellite transmission	On-going (Credit Lyonnais)
H-6	New Backbone Transmission Fiber Optic System	Medan-Jambi-Palembang-Bandar Lampung-Jakarta Palembang-Pangkal Pinang-Pontianak/Batam/Jakarta	F	- Increase the capacity, digital transmission system	H
H-7	Introduction of ISDN	Provincial capital	I	- Digital local network system (digital subscriber network) - For multiple line subscribers, local optical fiber cable network	L
H-8	Rural Telecommunication System	All desas in the southern part of Sumatra	F, T	- Wireless system for small demand area including public telephone service	H
H-9	Leased Line Service	For big traffic subscribers in the southern part of Sumatra	I	- Not only speech channel service but also high speed digital channel service	M
H-10	Unattended Exchange and Transmission Supervision and Control Center	All primary centers	I, T	- Introduce unattended supervision and control centers for exchange and transmission equipment to save manpower	L

Notes:

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H: high M: medium L: low

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No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
H-11	Innovation of Outside Plant	All southern part of Sumatra	T	- Development of new outside plant system	L
H-12	Diffusion of OPMC	Primary centers and next main local centers	F, T	- Maintenance car - Technical adviser	On-going (OECF)
H-13	Maintenance Center	Palembang, next provincial capitals	F, T	- Maintenance car - Technical adviser	L
H-14	Establishment of Construction Center	WITEL-III, next provincial capitals	F, T	- CAD system - Training and on-the-job training	L
H-15	Software Center Development	WITEL-III	F, T	- Computer for making software - Technical adviser and on-the-job training	L
H-16	CAI System Development	WITEL-III	F, T	- Personal computer - Training and on-the-job training - Make software of curriculum	L
H-17	Establishment of Demand Forecast System	Primary centers	T	- Training and on-the-job training - Computers	M
H-18	Building for Long Term Demand	All southern part of Sumatra	I	- Based on long term demand forecast	L
H-19	Construction of Basement of Outside Plant	All southern part of Sumatra	I	- Based on long term demand forecast: cable tube, cable tunnel, with good coordination with electric power supplier, water supplier and government in charge of road	L
H-20	Replacement of Paper Cables	All southern part of Sumatra	I	- With plastic sheath cable	On-going (Telkom)
H-21	Replacement of Analog Switching System	All southern part of Sumatra	I	- With digital switching system	On-going (Telkom)
H-22	Replacement of Analog Transmission System	All southern part of Sumatra	I	- With digital transmission system	On-going (Telkom)

9. URBAN AND RURAL DEVELOPMENT

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
I-1	Sumatra Secondary Cities Urban Development Project (SCUDP)	All Region	T	- Technical assistance to extend existing SCUDP for long-term urban infrastructure plans	L
I-2	Master Plan for Jambi Water Supply and Sewerage System	Kodya Jambi	T	- Long-term water supply plan - Long-term sewerage treatment plan - See 6 Water Resources	M
I-3	Master Plan for Jambi Flood Control	Kodya Jambi	T	- Drainage plan in flood prone areas	M
I-4	Secondary Cities Urban Development Project (SCUDP)	Kuala Tungkal	T, F, I	- Long-term urban infrastructure plan - Mid-term investment plan - Financial assistance for investment	H
I-5	Master Plan for Palembang City Development	Kodya Palembang	T	- Long-term urban development plan	H
I-6	Master Plan for Palembang Urban Drainage and Sewerage Treatment	Kodya Palembang	T	- Long-term drainage system expansion plan - Long-term sewerage treatment plan - See 6 Water Resources	M
I-7	Water Supply Project for Palembang	Kodya Palembang	T, F	- Expansion of water treatment capacity - Improvement of distributing water - See 6 Water Resources	L
I-8	Kampung Development Program	Kodya Palembang	R, T, F	Kampung Improvement Program (KIP) - Evaluation and complementing current KIP Human Resource Development - Skills training - Informal education Credit Union - Credit unit for people working in both formal and informal sectors	H
I-9	Spatial Plan	Kab. Bangka	T	- Long-term spatial plan - Reconsideration of land use - Infrastructure plan especially for tourism	L

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I: private investment

Priority is indicated as:

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No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
I-10	Spatial Plan	Kab. Belitung	T	- Long-term spatial plan - Reconsideration of land use - Infrastructure plan especially for tourism	M
I-11	Integrated Urban Infrastructure Development Program (IUIDP)	Lubuk Linggau	T, F, I	- Long-term urban infrastructure plan - Mid-term investment plan - Financial assistance for investment	M
I-12	Spatial Plan	Lahat	T	- Long-term spatial plan	L
I-13	Secondary Cities Urban Development Project (SCUDP)	Lahat	T, F, I	- Long-term urban infrastructure plan - Mid-term investment plan - Financial assistance for investment	M
I-14	Secondary Cities Urban Development Project (SCUDP)	Baturaja	T, F, I	- Long-term urban infrastructure plan - Mid-term investment plan - Financial assistance for investment	On-going (ADB)
I-15	Master Plan for Bengkulu Sewerage Treatment	Kodya Bengkulu	T	- Long-term sewerage plan - See 6 Water Resources	L
I-16	Spatial Plan	Manna, Bintuhan	T	- Long-term spatial plan	L
I-17	Secondary Cities Urban Development Project (SCUDP)	Manna, Bintuhan	T, F, I	- Long-term urban infrastructure plan - Mid-term investment plan - Financial assistance for investment	M
I-18	Secondary Cities Urban Development Project (SCUDP)	Kota Bumi, Monggala	T, F, I	- Long-term urban infrastructure plan - Mid-term investment plan - Financial assistance for investment	M
I-19	Master Plan for Bandar Lampung City Development	Bandar Lampung	T	- Long-term urban development plan	H
I-20	Water Supply for Bandar Lampung	Bandar Lampung	T, F	- Securing water resources - Increasing institutional capacity of water supply enterprise	M
I-21	Master Plan for Bandar Lampung Sewerage Treatment	Bandar Lampung	T, F	- Long-term sewerage treatment plan to deal with human waste and waste water - See 6 Water Resources	M
I-22	Kampung Improvement Program (KIP)	Bandar Lampung	T, F	- Evaluation of the current KIP program - Formulation of a KIP plan - Financial assistance for implementation	H
I-23	Spatial Plan	Bakauheni	T	- Long-term spatial plan	M
I-24	Integrated Urban Infrastructure Development Program (IUIDP)	Bakauheni	T, F, I	- Long-term urban infrastructure plan - Mid-term investment plan - Financial assistance for investment	H

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
I-25	Rural Development Project (Support for Trans Handsp)	Tanjung Jabung (Jambi)	R, T, F	<ul style="list-style-type: none"> - Assesment of land - Assesment of environment impacts - Survey of economic conditions and socio-cultural profile of local people and transmigrants - establishment of land title 	M
I-26	Rural Development Program	Musi Rawas/Lahat	R, T, F	<ul style="list-style-type: none"> - <u>Social Services</u> - health care - <u>Rural Roads</u> - improvement of rural roads 	M
I-27	Participatory Rural Development Program	Kec. Blambangan Umpu, Lampung Utara	R, T, F	<ul style="list-style-type: none"> - <u>Agriculture Research and Extension</u> - participatory research and extension with sarjanas as partners - <u>Skill Training for Women</u> - training of various business skills - basic education - <u>Credit Scheme</u> - provision of credit to farmers - <u>Rural Infrastructure</u> - rural roads and small bridges - water supply (public wells) - processing and storage facilities - market facilities 	II
I-28	Rural Development Program for Conservation and Agricultural Diversification	Western part of Lampung Selatan	R, T, F	<ul style="list-style-type: none"> - <u>Alternative Crops</u> - promotion of non-coffee crops - support for local initiatives - <u>Rural Roads</u> - improvement of kabupaten roads - <u>Leader Training</u> - training for community leaders (support for KPD and UED programs) - provision of scholarships - <u>Land Titling</u> - promotion of land titling 	H
I-29	Integrated Area Development Program (PKT)	Sarolangun Bangko, Batang Hari (Jambi)	R, F, T	<ul style="list-style-type: none"> - Advice for planning - Financial assistance for implementation 	M
I-30	Integrated Area Development Program (PKT)	OKU, Muara Enim, MUBA (South Sumatra)	R, F, T	<ul style="list-style-type: none"> - Advice for planning - Financial assistance for implementation 	M
I-31	Integrated Area Development Program (PKT)	Bengkulu Utara, (Bengkulu)	R, F, T	<ul style="list-style-type: none"> - Advice for planning - Financial assistance for implementation 	M
I-32	Integrated Area Development Program (PKT)	Lampung Tengah, (Lampung)	R, F, T	<ul style="list-style-type: none"> - Advice for planning - Financial assistance for implementation 	M

10. LAND USE/FORESTRY/ENVIRONMENT

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
JAMBI					
J-1	Pilot Demonstration on Sustainable Integrated Management of Natural Forest	Sarolangun Bangko or Bungo Tebo	T, I	- A demonstration forest plot to apply the Indonesian Selective Cutting and Planting system properly - An example for forest concession holders (HPH)	M
J-2	Small Scale Industry Development for Forest Dwellers	Pegmungana Duakla, Sarolangun Bangko	T, I	- Technical assistance to timber companies which collaborate - To enhance living standards and control shifting cultivation	H
J-3	Participatory Development of Forest Product Collectors	Suku Kubu and Sarolangun Bangko	F, T	- Review of the knowledge system of forest product collectors - Sustainable and benign development based on their knowledge and experience	L
J-4	Pilot Demonstration on Integrated and Sustainable Mangrove Forest Management	In and around Hutan Bakau Pantai Timur Strict Nature Reserve, Tanjung Jabung	F, T	- Demonstration of proper silvicultural system - Mangrove management manual - Income earning activities - Personnel training	H
J-5	Utilization of Logging Residues	Pelabuhanadang, Tanjung Jabung	T, I	- Technical and economic evaluation - Include oil palm trees felled for replantation	M
SOUTH SUMATRA					
J-6	Plantation Mechanization Training and Demonstration Unit	Ogan Komering Ilir, Musi Rawas and Musi Banyuasin	F	- Mechanization of estate operations for cost reduction	L
J-7	Industrial Forest Plantation	South Sumatra	I	- To increase timber supplies from forest plantations to supplement diminishing natural forests	H

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No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
BENGGULU					
J-8	Rehabilitation of Critical Forest Land	Bengkulu Selatan	F, T	- A pilot area (100 ~ 500 ha) requiring urgent rehabilitation	L
J-9	Rehabilitation of Degraded Lands through Agro-Forestry System	Ipuh transmigrasi area, Bengkulu Utara	F, T	- A pilot project to establish appropriate agro-forestry systems	H
J-10	Conservation and Management of Turtle Nesting Beaches	Tikus Island and coastal line	F, T	- To protect turtle population by establishing a more rational and sustainable way of egg harvesting	L
J-11	Natural Resources Research and Management	Whole province	F, T	- Post-graduate programs at local universities - Master planning for natural resource research - Developing strategy for natural resource management - In-situ and ex-situ conservation of generic resources	L
LAMPUNG					
J-12	Eco-Tourism and Recreation at the Way Kambas National Park	Way Kambas, Lampung Tengah	F, T, I	- Conservation of the Park's ecosystem - Proper zoning - Park management training - Public awareness raising	L
J-13	Comprehensive Environmental Management of the Lampung Bay	Lampung Bay	F, T	- Ecosystem protection - Management strategy for tourism and fishery development - Environmental management training	L
INTERPROVINCIAL/REGIONAL					
J-14	Elephant Migration Management	Ogan Komering and Musi Banyuasin (South Sumatra), Bengkulu Selatan and Lampung Utara	F, T	- Study on damages of elephants' invasion - Developing culturally and economically acceptable managerial programs	L
J-15	Integrated and Sustainable Development of Swamp Areas	South Sumatra (Ogan Komering Ilir and Musi Banyuasin) and Lampung (Lampung Utara)	F, T	- To maintain and enhance the value of swamp areas by developing multi-purpose management strategy in collaboration with local communities and concessionaires	L

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
J-16	Kerinci Seblat National Park Development (partly on-going financed by World Bank)	Jambi, South Sumatra and Bengkulu	F, T, I	<ul style="list-style-type: none"> - Assistance to PHPA to develop and implement a 5-year management plan - Establishment of a buffer zone program - Preparation for tourism development - Strengthening of PHPA capability 	M
J-17	Study on Communities of Upland Forest Dwellers	Jambi, Bengkulu and Lampung	F, T	<ul style="list-style-type: none"> - Documentation of traditional knowledge, values and adat rights in preparation for sustainable social forestry development 	L
J-18	Forest Engineering Training Schools	Region (4 selected mills)	F, T	<ul style="list-style-type: none"> - Improve logging and loading operations in plantation forests 	L
J-19	Utilization of Wood Processing Industry Residues	Region	T, I	<ul style="list-style-type: none"> - Establish satellite industries using residues from wood processing 	M
J-20	Rural Rattan Development for Smallholders	Region	T, I	<ul style="list-style-type: none"> - Improve rattan resources from the natural forest - Smallholder rattan plantation 	M
J-21	Resin-Based Rural Industries	Dry mountainous areas (above 500-m elevation) in the Region	T, I	<ul style="list-style-type: none"> - F/S for pine plantation under NES scheme - F/S for resin processing industry 	M
J-22	Pilot Wood Energy Development	Region	F	<ul style="list-style-type: none"> - Study of fuelwood consumption - Promote energy efficient devices for household and industrial uses 	L
J-23	Integrated Social Forestry for the Production of Fuelwood, Food and Cash Crops	Highlands in the Region	T, F	<ul style="list-style-type: none"> - Protect highland forests from soil erosion and excessive cutting for domestic uses - Promote alternative energy source to fuelwood 	M
J-24	Rehabilitation of Critical Watersheds	Critical forest areas in the Region	T, F	<ul style="list-style-type: none"> - Establish a pilot site (500 ha per province) - Develop appropriate technological package 	M

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
J-25	Center for Integrated Development of Shifting Cultivators	Areas with high-density shifting cultivation in the Region	F, T	<ul style="list-style-type: none"> - Develop appropriate models to rationalize shifting cultivation - Center for information on shifting cultivation - Provide access to social services (e.g., family planning) 	M
J-26	Management of Protection Forests	Region	F, T	<ul style="list-style-type: none"> - Assess the present legal and field status of protection forests - Formulate and implement management policy and strengthen institutions/agencies 	L
J-27	Water Quality Protection Management	Provincial capitals, and the downstreams of the Batanghari and Musi Rivers	T, F	<ul style="list-style-type: none"> - Establish water quality standards - Establish monitoring mechanism of water pollution 	M
J-28	Protection of West Coast	Bengkulu and Lampung	R, T, F	<ul style="list-style-type: none"> - Assess the present erosive damages and the future fragile areas - Formulate and implement protection programs in line with a national global warming (sea-level rise) action plan 	L

11. INSTITUTIONAL SUPPORT

No.	Project Title	Location	Suggested Type of Implementation	Description	Priority
K-1	Establishment of IDEP Management Unit (IMU)	Four provinces	T, F	<ul style="list-style-type: none"> - Establishing a functional Unit per IDEP in BAPPEDA Tk. I and II to manage the implementation of IDEP - Expatriate expert attached to the Unit to liaise with the donors - Training of BAPPEDA (Tk. I and II) staff for effective implementation of IDEP 	H
K-2	Land Reservation and Titling Support	Four provinces	T, F	<ul style="list-style-type: none"> - Establish spatial plans for Kabupaten and Province concerned - Designate land to be reserved for certain uses - Review of existing mechanisms for land registration and titling at province and kabupaten levels including the roles and responsibilities of BAPPEDA I, BPN I and BAPPEDA II staff - Preparation and implementation of a Plan of Action to streamline procedures, including monitoring and train staff in their effective implementation 	H
K-3	Swampland Technology Institute	Undetermined	T, F	<ul style="list-style-type: none"> - Institute for research on technologies suited to tropical swampland and river conditions, and for training purposes - A polytechnic institution to include: transportation, agriculture, water resource management, environmental, preservation, rural development, industrial development - International sponsorship by ASEAN, ADB, UNDP, FAO, a foreign university, Singaporean participation, as well as by BPPT, ITB, etc. 	H

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