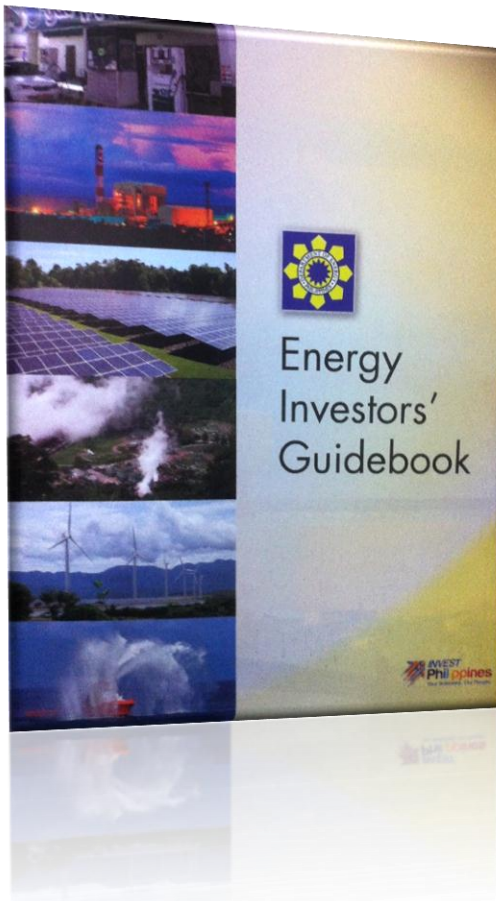


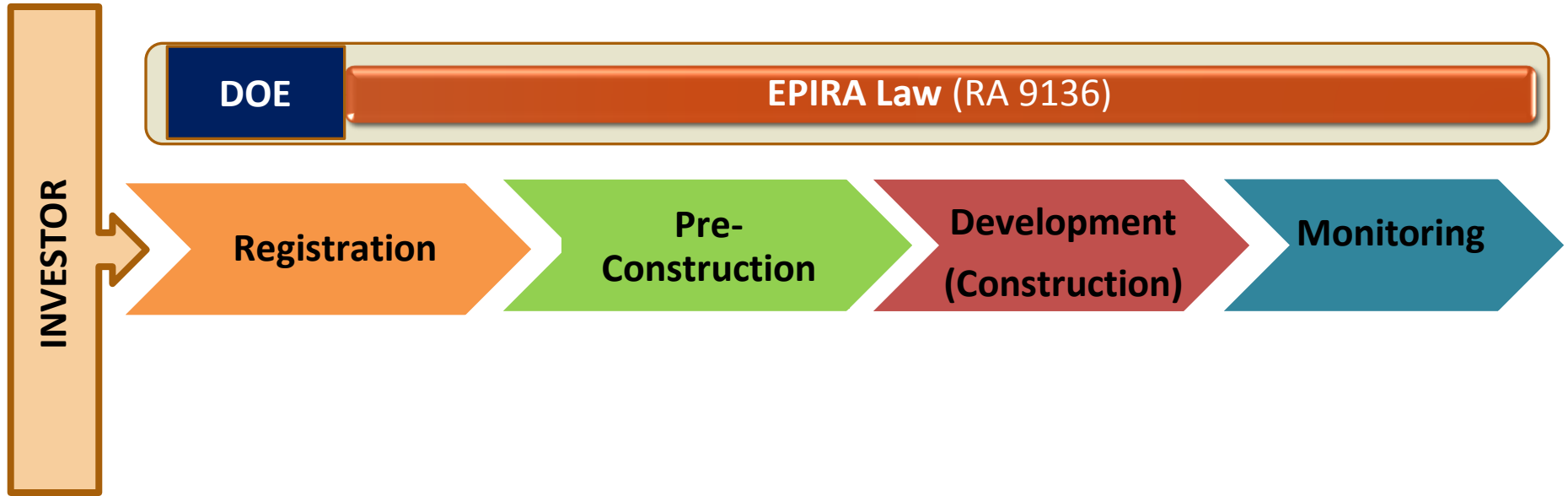
Registration Procedures for Energy Projects



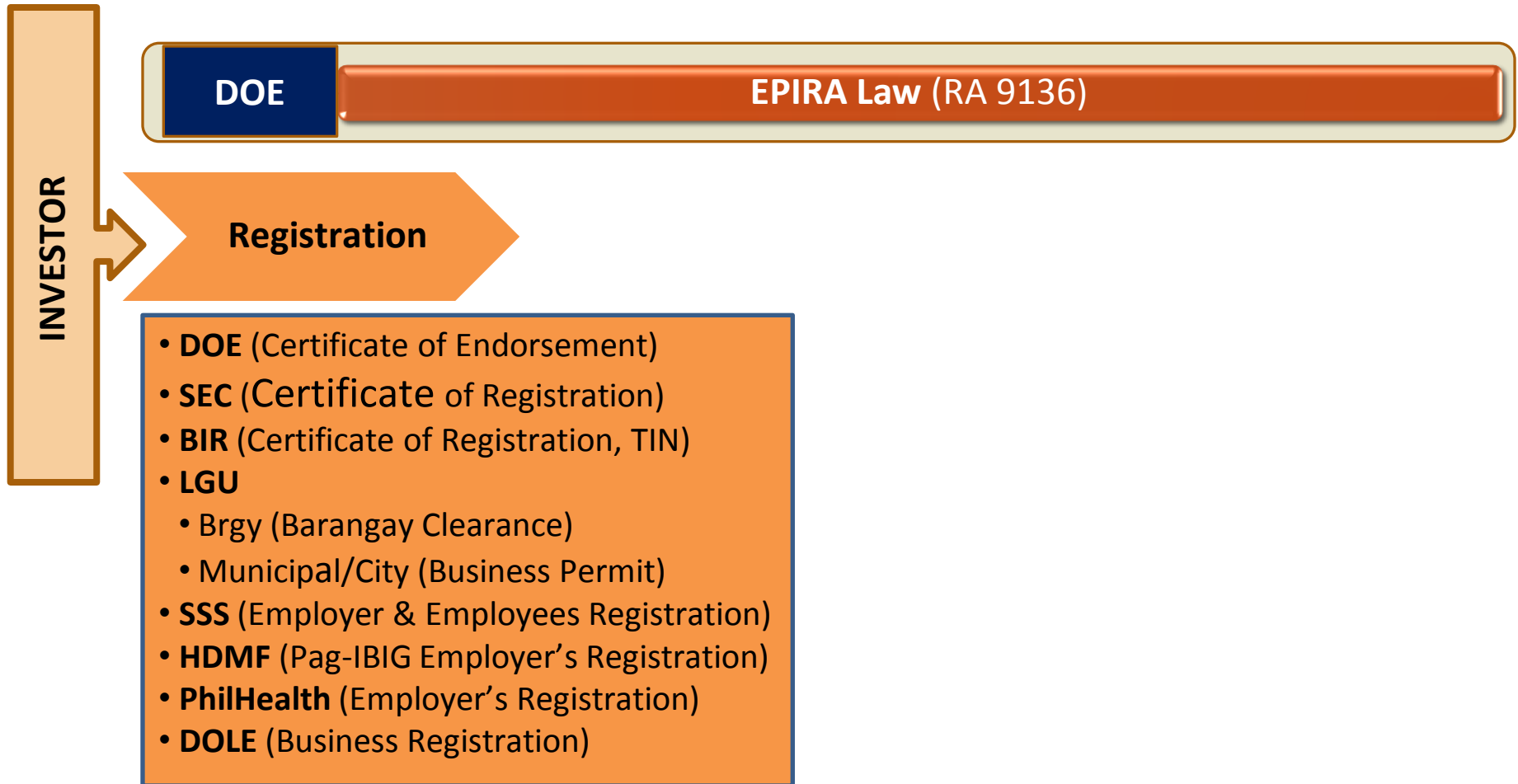
**Investment Promotion Office
Department of Energy**



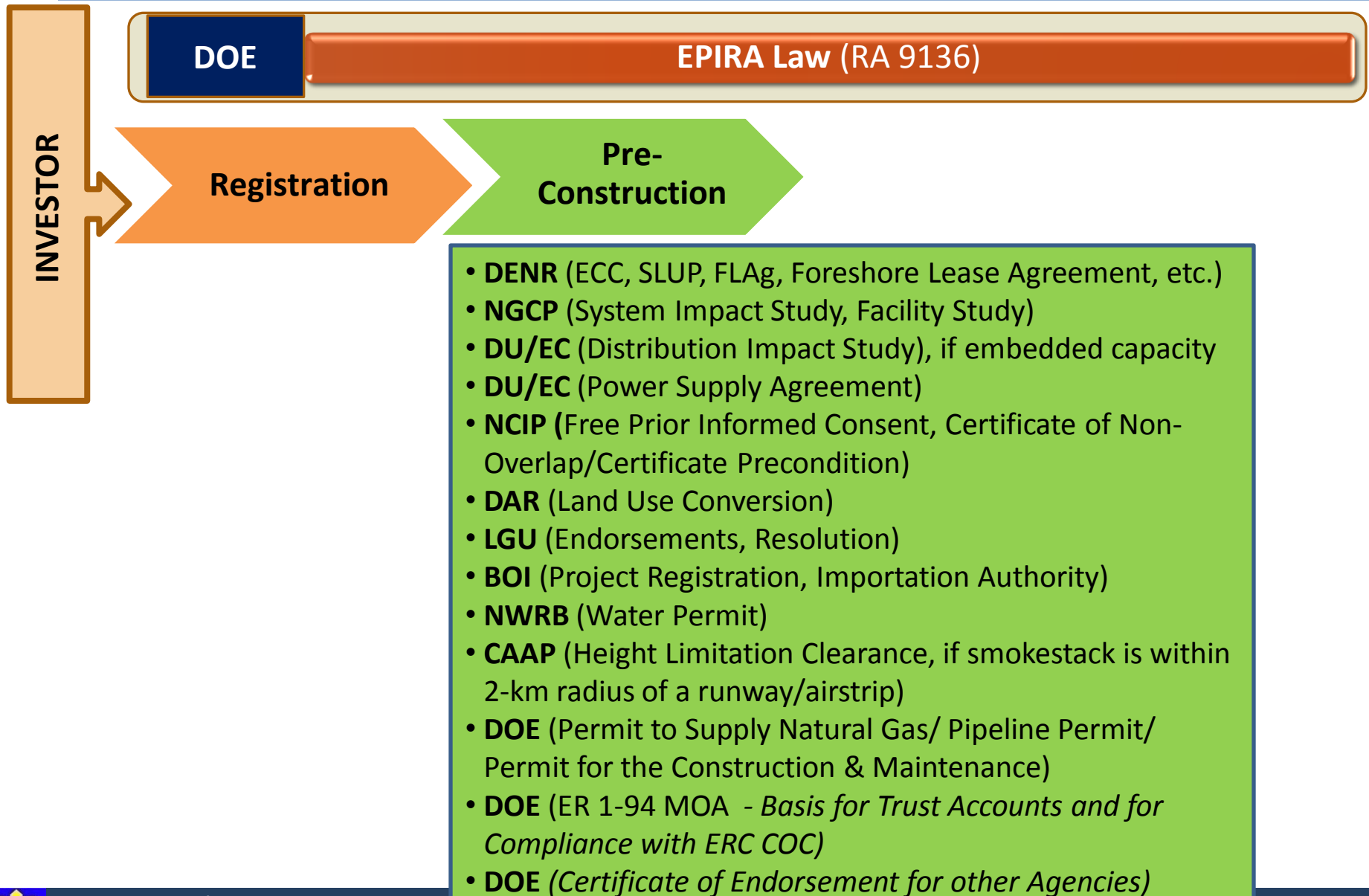
Process Flow for Conventional Power Projects



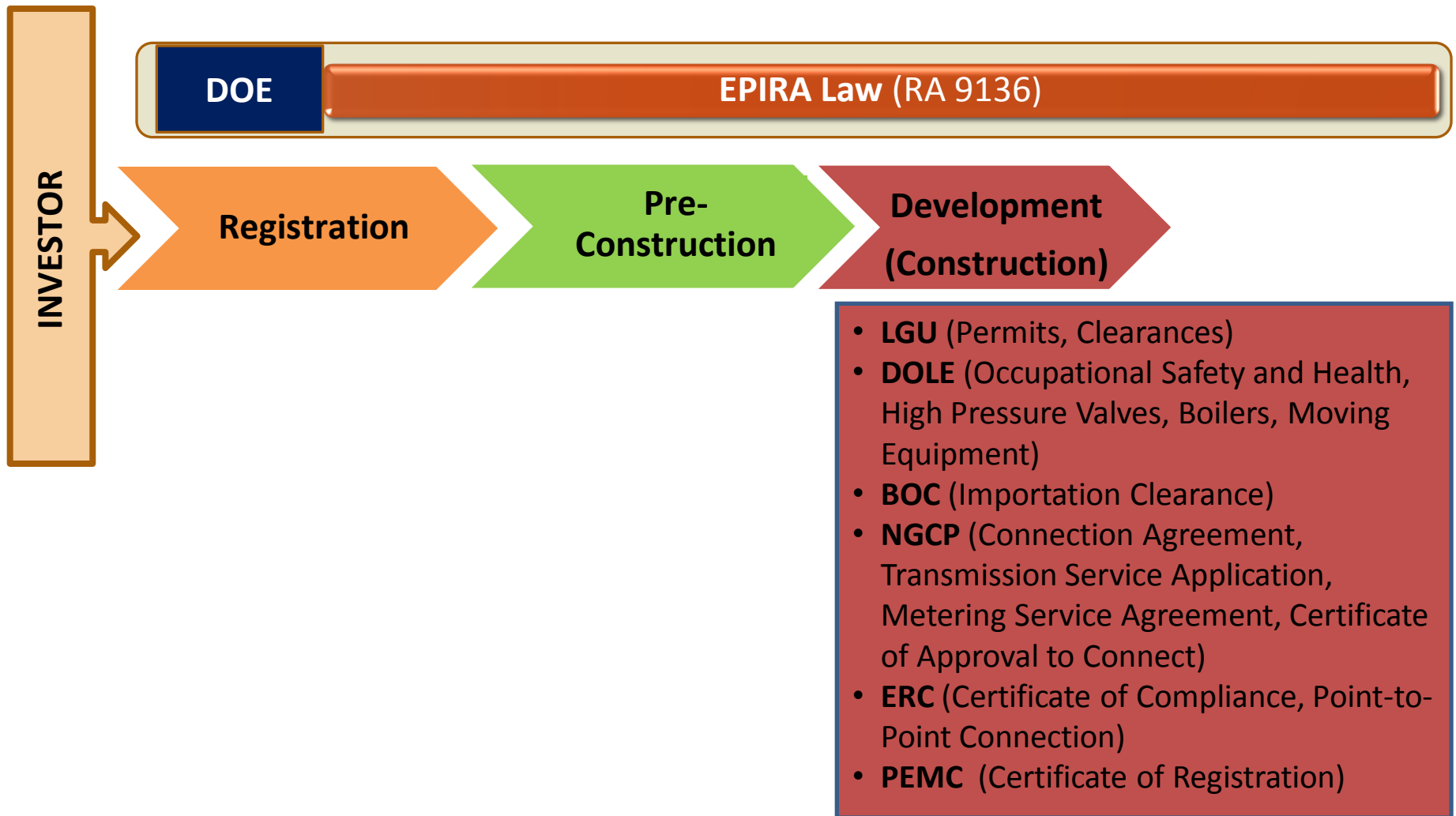
Process Flow for Conventional Power Projects



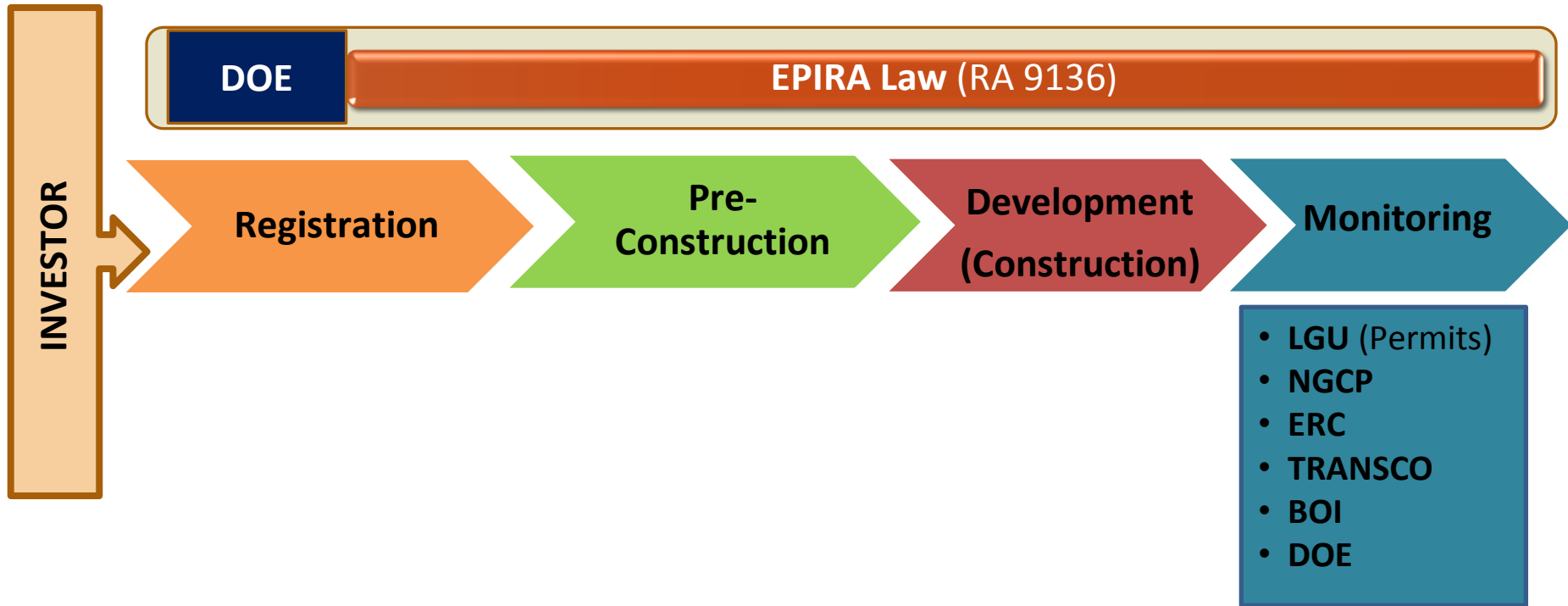
Process Flow for Conventional Power Projects



Process Flow for Conventional Power Projects



Process Flow for Conventional Power Projects



Process Flow for Renewable Energy Power Projects



Contract Period : 25 years

Pre-Development

- For Geothermal : Maximum of 5 years
- For Solar : Maximum of 3 years
- For Wind : Maximum of 2 years
- For Hydro : Maximum of 2 years
- For Ocean : Maximum of 3 years

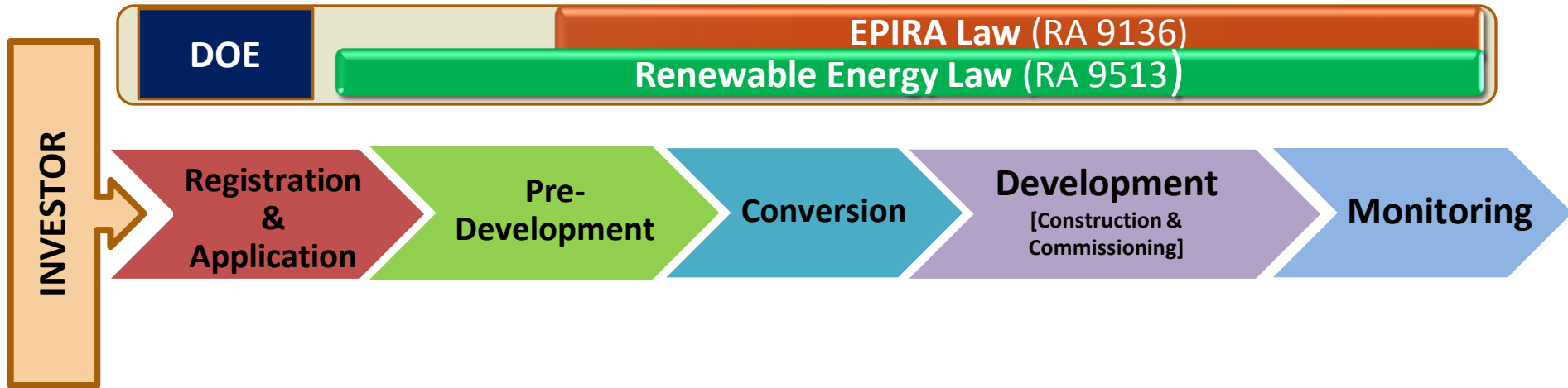
Development

[Construction & Commissioning]

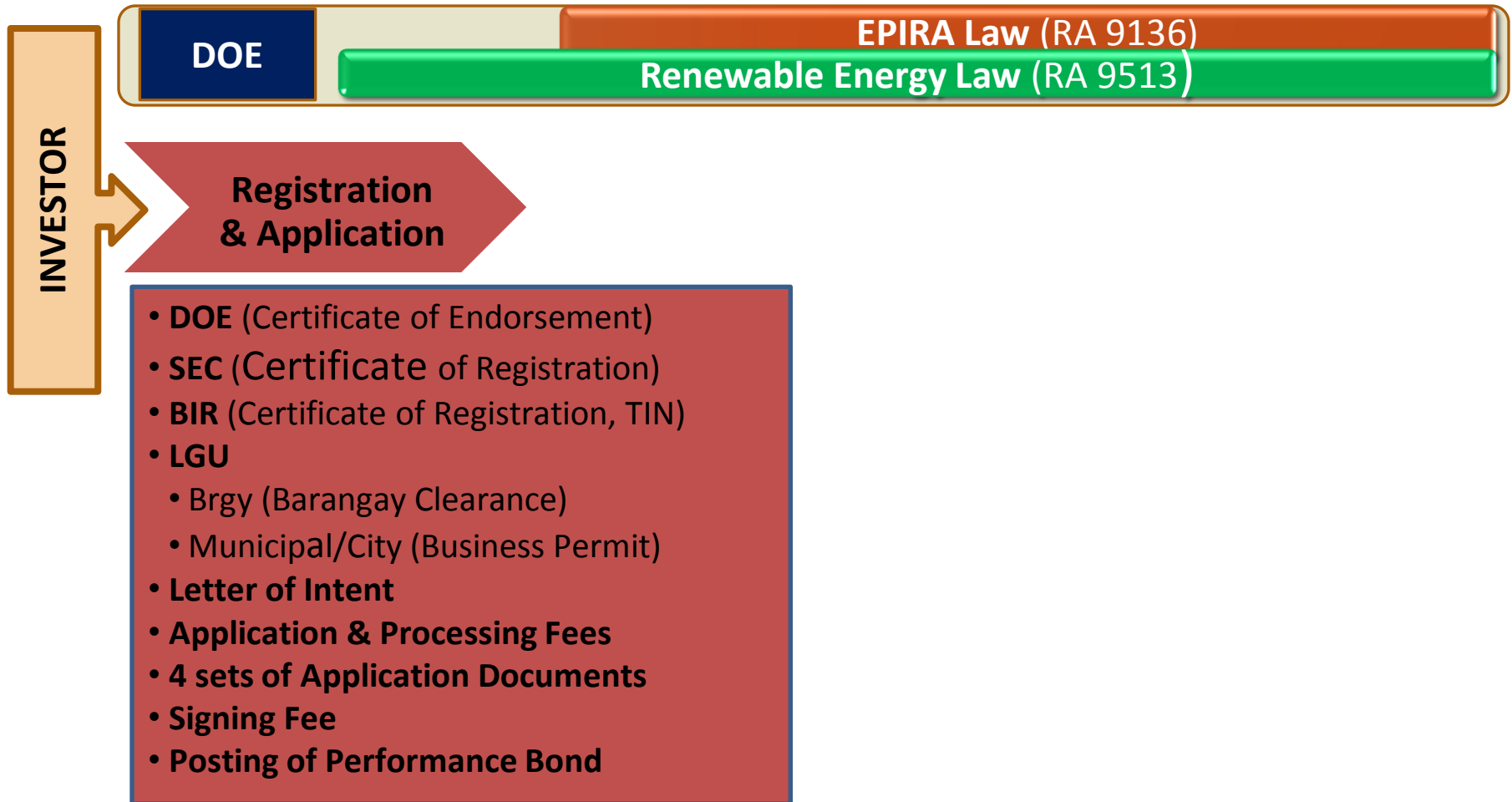
- For Geothermal : 20 years
- For Solar : 22 years
- For Wind : 23 years
- For Hydro : 23 years
- For Ocean : 22 years



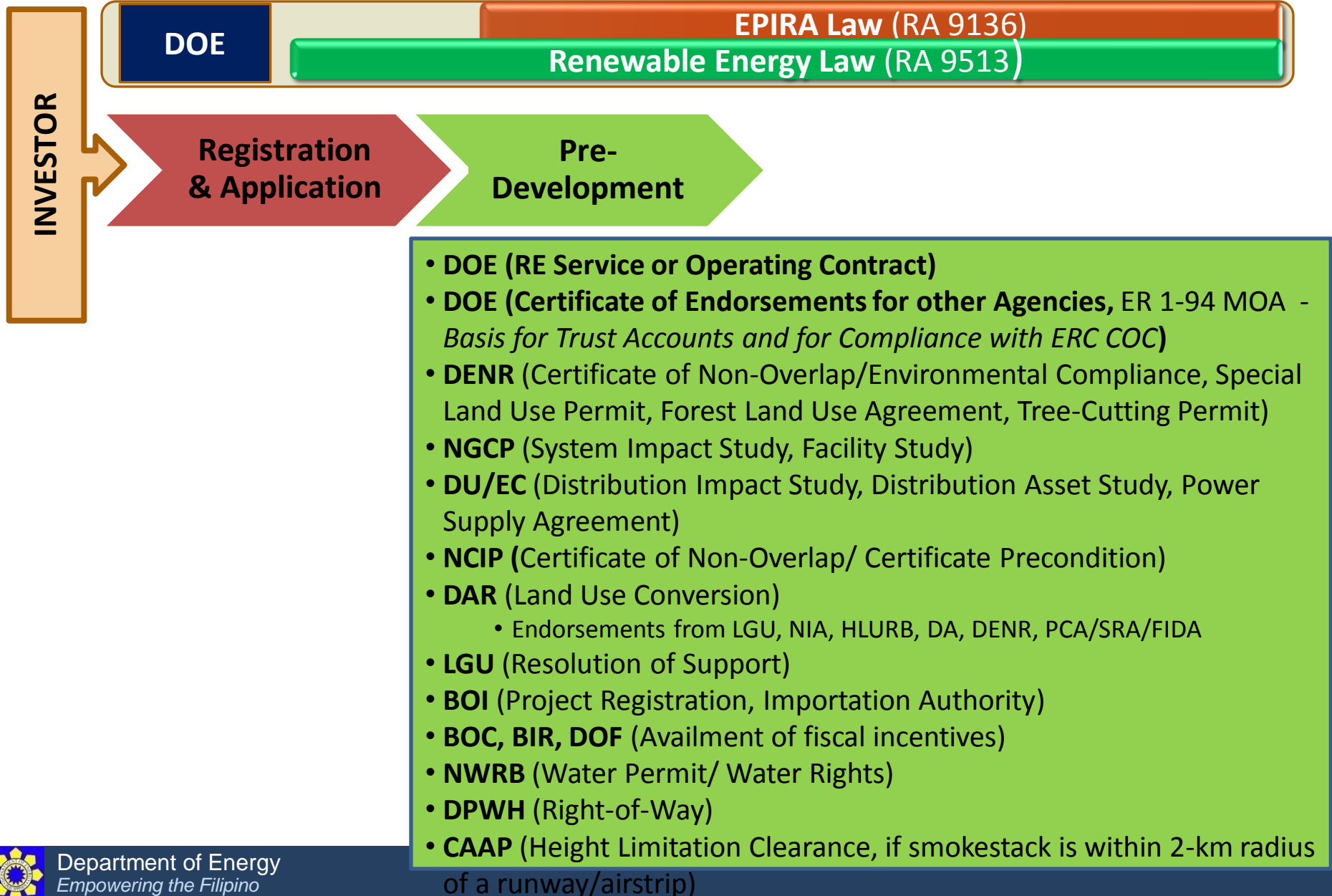
Process Flow for Renewable Energy Power Projects



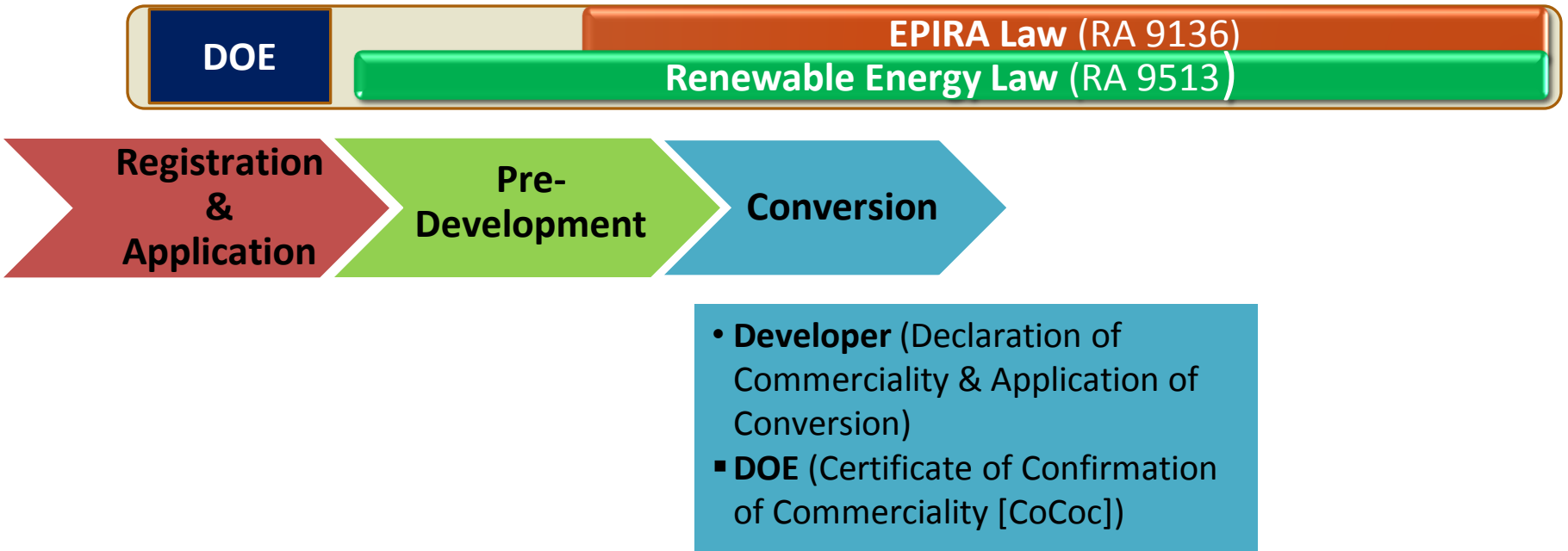
Process Flow for Renewable Energy Projects



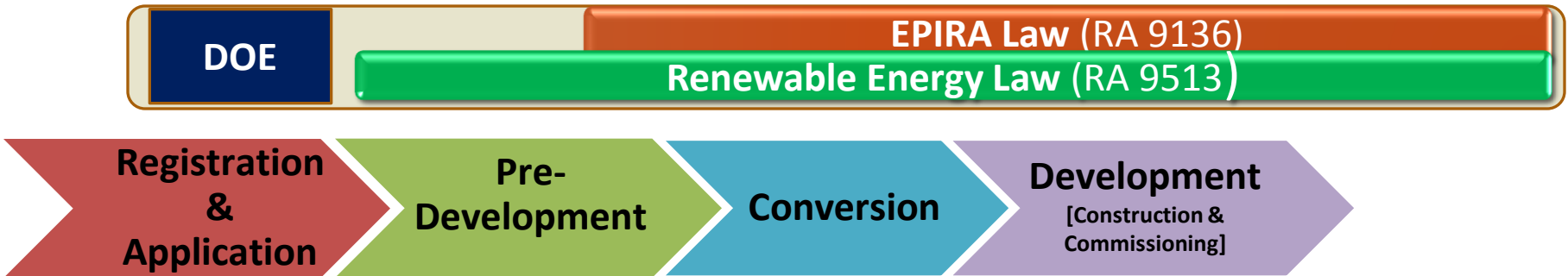
Process Flow for Renewable Energy Projects



Process Flow for Renewable Energy Power Projects



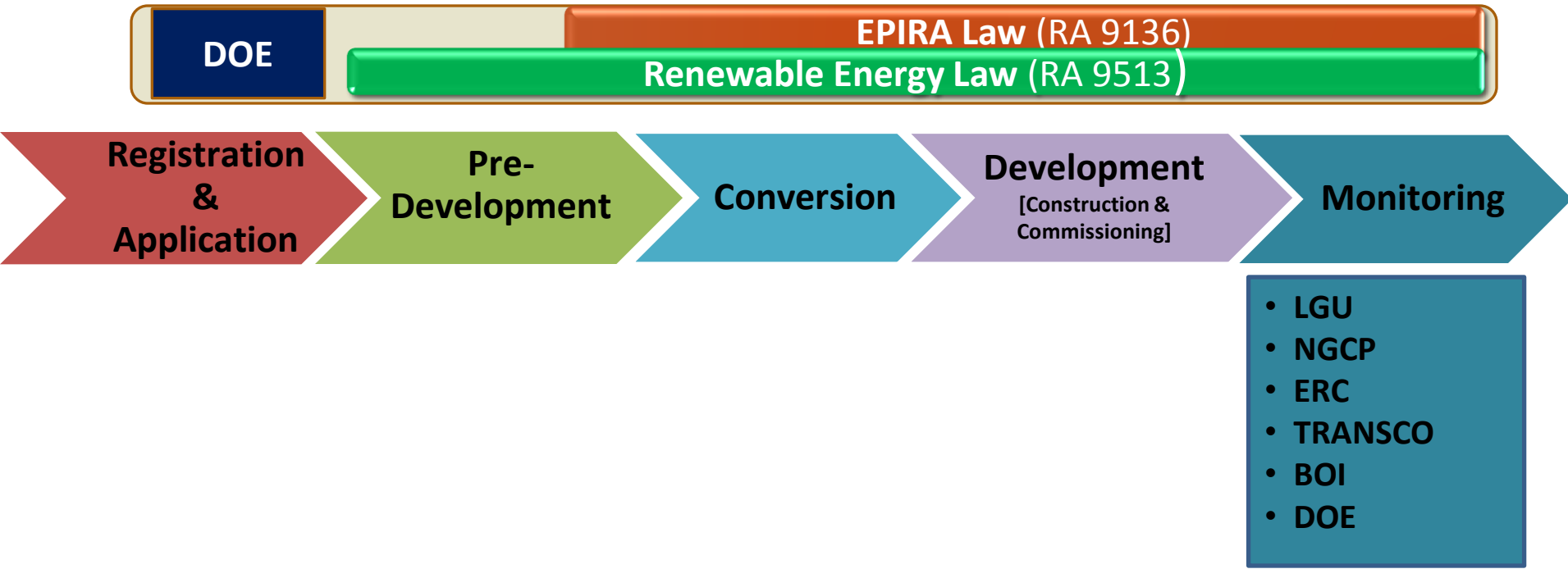
Process Flow for Renewable Energy Power Projects



- **DOE** (RE Dev't. Service Contract, Certificate of Endorsement)
- **LGU** (Building Permit, Electrical Permit, Location Permit, etc.)
- **NGCP** (Connection Agreement, Transmission Service Application)
- **ERC** (Cert. of Compliance, FIT Eligibility)
- **PEMC** (WESM Registration)
- **TRANSCO** (RE Payment Agreement)
- **DU/EC** (Power Purchase Agreement, RE Supply Agreement)
- **DOLE** (OSH Compliance)



Process Flow for Renewable Energy Power Projects



Thank You!



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MILESTONE APPROACH MATRIX

(Pre-Development Stage)

RESC TYPE	MILESTONE ACTIVITY	MILESTONE PERIOD	MILESTONE COST (at 100%)	REMARKS
GEOTHERMAL	<ol style="list-style-type: none"> Completion of Reconnaissance Geological Surveys Mandatory Activities <ol style="list-style-type: none"> LGU Endorsements Licenses/Permits Acquisition 	12 months	Php 6,500,000.00	Pre-Development at 5 years
HYDROPOWER	<ol style="list-style-type: none"> Pre-Feasibility Study / Reconnaissance Study Detailed Topography Survey Completion of Hydrological Study Field Based Investigation (NCIP) Mandatory Activities <ol style="list-style-type: none"> LGU Endorsements Licenses/Permits Acquisition 	12 months	Php 1,500,000.00	Pre-Development at 2 years



MILESTONE APPROACH MATRIX

(Pre-Development Stage)

RESC TYPE	MILESTONE ACTIVITY	MILESTONE PERIOD	MILESTONE COST (at 100%)	REMARKS
WIND	<ol style="list-style-type: none"> 1. Procurement of meteorological mast 2. Installment of meteorological mast 3. Land/rights acquisition 4. Mandatory Activities <ol style="list-style-type: none"> a. Public Consultations b. LGU Endorsements 	12 months	Php 2,000,000.00	Pre-Development at 3 years
SOLAR	<ol style="list-style-type: none"> 1. Initial modelling and annual energy yield estimates 2. Land/rights acquisition 3. Mandatory Activities <ol style="list-style-type: none"> a. Public Consultations b. LGU Endorsements 	6 months	Php 500,000.00	Pre-Development at 2 years
OCEAN	<ol style="list-style-type: none"> 1. Pre-Feasibility Study/Prelim. Resource Assessment 2. Detailed site Survey 3. Field Based Investigation (NCIP) 4. Mandatory Activities <ol style="list-style-type: none"> a. LGU Endorsements b. Licenses/Permits 	12 months	Php 1,500,000.00	Pre-Development at 3 years



MILESTONE APPROACH MATRIX

(Development Stage)

RESC TYPE	MILESTONE ACTIVITY	MILESTONE PERIOD	MILESTONE COST (at 100%)	REMARKS
GEOTHERMAL	<ol style="list-style-type: none"> 1. Site Preparation and civil/structural works 2. Drilling of production and reinjection wells 3. Flow Test and bore Bore Output Measurement 4. Construction of Fluid Collection and Disposal System 5. Power Plant and Cooling Tower site preparation and construction 6. Construction of switching station to connect to the Transmission Lines of NGCP 7. Commissioning/Commercial Operations 	Year 6 to 8	Php 200,000,000.00 per MW	
HYDROPOWER	Procurement of Electromechanical Equipment (EME) or Proof of Contract with the supplier of EME	Year 5 to 6	Php 30,000,000.00 per MW	



MILESTONE APPROACH MATRIX

(Development Stage)

RESC TYPE	MILESTONE ACTIVITY	MILESTONE PERIOD	MILESTONE COST (at 100%)	REMARKS
WIND	Electromechanical Equipment (At 80% completion)	Year 5 to 6	Php 95,000,000.00 per MW	
SOLAR	Electromechanical Equipment (At 80% completion)	Year 5 to 6	Php 30,000,000.00 per MW	
BIOMASS	<ol style="list-style-type: none"> 1. Site acquisition and pre-development activities (groundwater test, soil and geotechnical analyses) 2. Licensing, Permits, and Clearances 3. Signed Feedstock Supply Agreements 	<p>Milestone : 6 months</p> <p>Development : 3 years</p>	<p>Milestone: Php 7,000,000.00 (fixed)</p> <p>Development: Php 100,000.00/MW</p>	<p>Biomass (Non-Existing Facility) – the Pre-Development stage is subsumed and made part of the Development Stage already</p> <p>Biomass (Existing Facility) – this automatically goes to Development Stage</p>



MILESTONE APPROACH MATRIX

(Development Stage)

RESC TYPE	MILESTONE ACTIVITY	MILESTONE PERIOD	MILESTONE COST (at 100%)	REMARKS
OCEAN	Procurement of Electromechanical Equipment (EME) or Proof of Contract with the supplier of EME	Year 5 to 6	Php 30,000,000.00 per MW	



Registration/Setting-up a Company

Agency	Prerequisite Document	What to Get
Department of Energy – REMB / EPIMB	SEC Name Verification Slip, Draft Articles of Incorporation and By-Laws	Certificate of Endorsement to SEC
Securities of Exchange Commission	Certificate of Endorsement from DOE	TIN & Registration
Local Government Unit	SEC Certificate of Registration	Barangay Clearance, CTC, Business Permit
Bureau of Internal Revenue	SEC Certificate of Registration, Mayor's Permit	Certificate of Registration and TIN, Doc Stamp, Authority to Print Receipts and Invoices, Printing, Stamping Books of Accounts
Social Security System	SEC Certificate of Registration, TIN	Employer Registration and Employment Report
Philippine Health Insurance Company	SEC Certificate of Registration	Employer and Employees Data Registration
Home Development Mutual Fund	SEC Certificate of Registration	Employer and Employees Data Registration



Regulatory Requirement (Pre-Dev't Service Contract)

Agency	Prerequisite Document	What to Get
Department of Energy (C-REC/Legal/Finance/REMB/OSEC)	SEC Registration, Business Permit	RE Service / Operating Contract – Certificate of Registration
Department of Energy (C-REC)	RE Service / Operating Contract	Endorsement to other Agencies
Department of Energy (REMB to EPIMB to NGCP)	RE Service / Operating Contract	Endorsement to NGCP to undertake System Impact Study
Local Government Unit	RE Service / Operating Contract	Resolution of Support
National Grid Corporation of the Philippines	RE Service / Operating Contract – Certificate of Registration, DOE Endorsement to NGCP to undertake System Impact Study	System Impact Study, Facility Study,
DENR – EMB / LLDA / Ecozone	Proof of Compatibility with the existing Land Use Plan, Proof of Ownership or Authority over the Project Site, Feasibility Study	Certificate of Non-Coverage / Environmental Compliance Certificate



Regulatory Requirement (Pre-Dev't Service Contract)

Agency	Prerequisite Document	What to Get
National Water Resources Board	RE Service / Operating Contract – Certificate of Registration, Proof of Land Ownership, SEC Registration, ECC/CNC, Environmental/Ecological Study and Sustainability Plan	Certificate of Water Availability / Conditional Water Permit / Water Permit
Department of Public Works and Highways	RE Service / Operating Contract – Certificate of Registration	Right-of-Way
National Commission on Indigenous Peoples	RE Service / Operating Contract – Certificate of Registration, CNC/ECC, Endorsement from DOE	Certificate of Non-Overlap / Certificate Precondition / Free Prior Informed Consent
Board of Investments	RE Service / Operating Contract – Certificate of Registration; Duty Free Importation Certificate	Certificate of Project Registration, Certificate of Authority to Import
Department of Agriculture	TCT, Certification from National Irrigation Administration, Sugar Regulatory Administration/ Philippine Coconut Authority/ Fiber Industry Development Authority/ Bureau of Fisheries/ Aquatic Resources and Zoning Certification from HLURB	Land Use Reclassification



Regulatory Requirement (Pre-Dev't Service Contract)

Agency	Prerequisite Document	What to Get
DENR – FMB (starts at CENRO to DENR Secretary)	SEC Registration, Initial IEE, Appropriate Clearance from NCIP, Endorsement from CENRO, PENRO and RED	Special Land Use Permit, Tree Cutting Permit
Department of Agrarian Reform (MARO, PARO, RCLUPPI, CLUPPI)	OCT / TCT, Feasibility Study, Certification from the HLURB, Certification from Dept. of Agriculture if land is under NPAAAD and SAFDZ, Certification from DENR if within or outside NIPAS areas, ECC, RE Service Contract,	Land Use Conversion
Civil Aviation Authority of the Philippines	Elevation Plan of the Proposed Structure, Certification from a Geodetic Engineer (with Dry Seal), Location Plan with Vicinity Map sealed by a Geodetic Engineer, Copy of Horizontal Control Reference using WGS-84 Coordinates - Latitude/Longitude from known control station of BCGS/NAMRIA	Height Clearance Permit (for wind and biomass projects)
Local Government Unit (Barangay, Municipal/City, Provincial)	RE Service / Operating Contract – Certificate of Registration, SEC Registration, ECC/EIS,	Resolution of Support
Distribution Utility / Electric Cooperative	RE Service / Operating Contract – Certificate of Registration	Distribution Impact Study and Distribution Asset Study



Regulatory Requirement (Development Service Contract)

Agency	Prerequisite Document	What to Get
Department of Energy (C-REC/REMB/OSEC)	RE Developer's Declaration of Commerciality	Confirmation of Certificate of Commerciality
Department of Energy (EPIMB)	RE Service / Operating Contract – Certificate of Registration, SEC Registration	MOA for Establishment of Trust Account Host Communities
Department of Energy (EPIMB)	MOA for Establishment of Trust Account Host Communities	Certificate of Endorsement for ERC's Certificate of Compliance
LGU	RE Service / Operating Contract – Certificate of Registration, Business Permit, Detail Engineering Design	Building Permit, Electrical Permit, Location Permit
Distribution Utility/ Electric Cooperative	RE Service / Operating Contract – Certificate of Registration	Power Purchase Agreement, RE Supply Agreement
Department of Labor and Employment (DOLE)	RE Service / Operating Contract – Certificate of Registration	Occupational Safety Compliance
Department of Energy – REMB	Notice of Plant Readiness and ERC Certificate of Testing and Commissioning	Certificate of Endorsement for FIT (if applicable)



Regulatory Requirement (Development Service Contract)

Agency	Prerequisite Document	What to Get
TRANSCO	RE Service / Operating Contract – Certificate of Registration	RE Payment Agreement (Under FIT System)
National Grid Corporation of the Philippines	RE Service / Operating Contract – Certificate of Registration, System Impact Study, Facility Study	Connection Agreement, Transmission Service Agreement, Metering Service Agreement, Certificate of Approval to Connect
Philippine Electricity Market Corporation	Notice of Plant Readiness and ERC Certificate of Testing and Commissioning Notice of Plant Readiness and ERC Certificate of Testing and Commissioning	WESM Registration
Energy Regulatory Commission	Connection Agreement Metering Service Agreement WESM Registration Certificate of Endorsement for ERC from DOE	Point-to-Point Permit; Certificate of Compliance

