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From Darkness to Light

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From Darkness to Light

*Energy Security Assessment
in Indonesia's Power Sector*

MAXENSIUS TRI SAMBODO

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30 Heng Mui Keng Terrace
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E-mail: publish@iseas.edu.sg
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*F*or my fellow travellers —
Fransiska, Clara, and Megumi

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LIST OF ABBREVIATIONS

ADB	Asian Development Bank
AF	Availability Factor
AFD	Agence Française Développement
AFNEI	Allied Forces Netherlands East Indies
AGECC	Advisory Group on Energy and Climate Change
AMD	<i>ABRI Masuk Desa</i> [Armed Forces Rural Operation]
ANIEM	<i>Algemeene Nederlandsch Indische Electriciteit Maatschappij</i> [Netherlands Indies General Electricity Company]
APLN	<i>Pendanaan Interat dari PLN</i> [Self-Financing from PLN]
ASEAN	Association of Southeast Asian Nations
ASTAE	Asia Sustainable and Alternative Energy Program
ATA	Automatic Tariff Adjustment
AusAID	Australian government overseas aid program
BANAS	<i>Badan Nasionalisasi Perusahaan Belanda</i> [Board for Nationalization of Dutch Enterprises]
BANI	<i>Badan Arbitrase Nasional Indonesia</i> [Indonesian Arbitrage National Agency]
BPM	<i>Bataafche Petroleum Maatschappij</i> [Batavian Oil Company]
BPPT	<i>Badan Pengkajian dan Penerapan Teknologi</i> [Technology Assessment and Application Agency]
BPPTL	<i>Badan Pengawas Pasar Tenaga Listrik</i> [Monitoring Agency for the Electricity Market]
BPS	<i>Badan Pusat Statistik</i> [Statistics Indonesia]
BPU-PLN	<i>Badan Pimpinan Umum Perusahaan Listrik Negara</i> [State Electricity Company Management Agency]

BRIC	Brazil, Russia, India and China
BSM	<i>Bantuan Siswa Miskin</i> [Student Assistance for the Poor]
CDM	Clean Development Mechanism
CGI	Consultative Group on Indonesia
COD	Commercial Operation Date
COP	Conference of Parties
CO ₂	carbon dioxide
CSD	Commission on Sustainable Development
DAK	<i>Dana Alokasi Khusus</i> [Special Allocation Fund]
DDPLN	<i>Dewan Direktur Perusahaan Listrik Negara</i> [Board of Director Electricity State Company]
Dirjen	<i>Direktur Jenderal</i> [Directorate General]
DKI	<i>Daerah Khusus Ibu Kota</i> [Special Capital Region of Jakarta]
DME	<i>Departemen Mineral dan Energi</i> [Department of Mining and Energy]
DME	<i>Desa Mandiri Energi</i> [Energy Self-Sufficient on Village Programme]
DPE	<i>Departemen Pertambangan dan Energi</i> [Department of Mining and Energy]
DPR	<i>Dewan Perwakilan Rakyat</i> [House of Representatives]
DPRD	<i>Dewan Perwakilan Rakyat Daerah</i> [Regional Legislative Assembly]
DSM	Demand Side Management
ECM	Error Correction Model
ECT	Error Correction Term
EMM	<i>Electriciteits Maatschappij Medan</i> [Medan Electricity Company]
EMS	<i>Electriciteits Maatschappij Sumatra</i> [Sumatra Electricity Company]
ERPA	Emissions Reduction Purchase Agreements
ESDM	<i>Energi dan Sumber daya Mineral</i> [Energy and Mineral Resources]
ESMAP	Energy Sector Management Assistance Program
Finec	<i>Financieel-Economische Overeenkomst</i> [Financial Economic Agreement]
FIT	Feed-in Tariff
GDP	Gross Domestic Product

GEBO	<i>Gemeenschapp-Elijk Electriciteitsbedrijf Bandoeng en Omstreken</i> [Municipal Electricity Works for Bandung and District]
GHGs	greenhouse gases
GOLKAR	<i>Golongan Karya</i> [The Party of the Functional Groups]
GW	gigawatt
GWh	gigawatt hour
HPAEs	High Performing Asian Economies
HSD	High Speed Diesel
IBRD	International Bank for Reconstruction and Development
IBW	<i>Indische Bedrijven Wet</i> [Indies Enterprises Law]
ICP	Indonesia Crude Oil Price
IEA	International Energy Agency
IGGI	Inter-Governmental Group on Indonesia
IMF	International Monetary Fund
IPP	Independent Power Producer
ISAK	<i>Interpretasi Standar Akuntansi Keuangan</i> [Interpretation on Financial Accounting Standards]
IUKS	<i>Izin Usaha Kelistrikan Untuk Kepentingan Sendiri</i> [Private Utilities Licence for Electricity]
IUKU	<i>Izin Usaha Kelistrikan Untuk Kepentingan Umum</i> [Public Utilities Licence for Electricity]
JICA	Japan International Cooperation Agency
JTM	<i>Jaringan Tegangan Menengah</i> [Medium Transmission Network]
JTR	<i>Jaringan Tegangan Rendah</i> [Low Transmission Network]
KBC	Karaha Bodas Company
KL	kiloliters
KLP	<i>Koperasi Listrik Perdesaan</i> [Rural Electricity Cooperatives]
Kmc	kilometer circuit
KNIL	<i>Koninklijke Netherlands Indische Leger</i> [Royal Netherlands Indies Army]
KORBI	<i>Kantor Urusan barang-barang Republik Indonesia</i> [Office to Manage the Properties of the Republic of Indonesia]
KPDT	<i>Kementerian Pembangunan Daerah Tertinggal</i> [Ministry of Less Developed Areas]

KUD	<i>Koperasi Unit Desa</i> [Village Cooperative Unit]
KUR	<i>Kredit Usaha Rakyat</i> [Micro Credit Loan]
kWh	kilowatt-hour
LPG	Liquefied Petroleum Gas
LUCF	Forestry and Land Use Changes
LWB	<i>Lands Waterkracht Bedrijven</i> [State Water Power Enterprise]
MDGs	Millennium Development Goals
MEMR	Ministry of Energy and Mineral Resources
MIGA	Multilateral Investment Guarantee Agency
MME	Ministry of Mines and Energy
MSA	Management Service Arrangement
MtCO ₂	metric ton CO ₂
MVA	mega volt ampere
MW	mega watt
NAP	National Action Plan
NICA	Netherland Indies Civil Administration
NIEM	<i>Nederlandsch-Indisch Electriciteit Maatschappij</i> [Netherlands Indies Electricity Company]
NIGM	<i>Nederlandsch-Indische Gas-Maatschappij</i> [Netherlands Indies Gas Company]
NIWEM	<i>Nederlandsch-Indisch Waterkracht Exploitatie Maatschappij</i> [Netherlands Indies Hydropower Exploitation Company]
NTB	<i>Nusa Tenggara Barat</i> [West Nusa Tenggara]
NTT	<i>Nusa Tenggara Timur</i> [East Nusa Tenggara]
NV. EBALOM	NV. Electriciteits Maatschappij Bali en Lombok
NV. MEPB	NV. Maatschappij tot Exploitatie van Plaatselijke Bedrijven
OECD	Overseas Economic Cooperation and Development
OEFC	Overseas Economic Cooperation Fund
OGEM	<i>Overzeese Gas-en Electriciteits-Maatschappij</i> [Overseas Gas and Electricity Company]
OP	Operating Permit
OPIC	Overseas Private Investment Corporation
P3LG	<i>Pusat or Penguasa Perusahaan Listrik dan Gas Pusat</i> [Central Administering Board for Electricity and Gas Enterprises]

PENUDITEL	<i>Perusahaan Negara untuk Pendistribusian Tenaga Listrik</i> [State Company for Electric Power Distribution]
PENUPETEL	<i>Perusahaan Negara Untuk Pembangkit Tenaga Listrik</i> [State Company for Electric Power Generation]
Perum	<i>Perusahaan Umum</i>
PGN	<i>Perusahaan Gas Negara</i> [National Gas Company]
PISA	Purchase and Instalment Sales Agreement
PKH	<i>Program Keluarga Harapan</i> [Family Hope Programme]
PKI	<i>Partai Komunis Indonesia</i> [Communist Party of Indonesia]
PLN	<i>PT Perusahaan Listrik Negara (Pesero)</i> [The National Power Company]
PLTA	<i>Pembangkit Listrik Tenaga Air</i> [Hydropower Plants]
PLTU	<i>Pembangkit Listrik Tenaga Uap</i> [Steam Power Plants]
PNI	<i>Partai Nasional Indonesia</i> [Indonesia Nationalist Party]
PNMP-MP	<i>Program Nasional Pemberdayaan Masyarakat–Mandiri Perdesaan</i> [National Program on Community Empowerment of Rural Independency]
PNPM	<i>Program Nasional Pemberdayaan Masyarakat</i> [National Program for People Empowerment]
PNSB	<i>Pembangunan Nasional Semesta Berencana</i> [Planned Overall National Development]
PPA	Power Purchase Agreement
PPP	Public Private Partnership
PPU	Private Power Utility
PSAK	<i>Pernyataan Standar Akuntansi Keuangan</i> [Standard Statement on Financial Accounting]
PSO	Public Service Obligation
PV	photovoltaics
RDI	<i>Rekening Dana Investasi</i> [Investment Fund Account]
Repelita	<i>Rencana Pembangunan Lima Tahun</i> [Five-Year Development Plans]
RIS	<i>Republik Indonesia Serikat</i> [Federal Republic of Indonesia]
Rp	Rupiah
RPJM	<i>Rencana Pembangunan Jangka Menengah Nasional</i> [National Medium Term Development Planning]

RPLN	<i>Rupiah Pinjaman Luar Negeri</i> [Rupiah from Foreign Loan]
RTC	Round Table Conference
RUKN	<i>Rencana Umum Ketenagalistrikan Nasional</i> [Public Plans for National Electric Power]
SA	sectoral approach
SARBUMUSI	<i>Serikat Buruh Muslimin Indonesia</i> [Muslim Labour Unions]
SBII	<i>Serikat Buruh Islam Indonesia</i> [Islamic Labour Unions]
SBLGI	<i>Serikat Buruh Listrik dan Gas Indonesia</i> [Electricity and Gas Labour Unions]
SBLGI KBM	<i>Serikat Buruh Listrik dan Gas Indonesia – Kesatuan Buruh Marhaenisme</i> [Electricity and Gas Labour Unions – Marhaenisme Labour Union]
SEHEN	<i>Super Ekstra Hemat Energi</i> [Super Extra Energy Saving]
SHS	Solar Home System
SLI	<i>Standar Listrik Indonesia</i> [Indonesia Electricity Standards]
SOBSI	<i>Sentral Organisasi Buruh Seluruh Indonesia</i> [All Indonesia Centre of Labour Organizations]
SSS	<i>Sumatera Staats Spoorwegen</i> [Sumatra Train Company]
SUSENAS	<i>Survey Sosial Ekonomi Nasional</i> [National Socioeconomic Survey]
TPES	Total Primary Energy Supply
TPPI	Trans Pacific Petrochemical Indotama
UN	United Nations
UNDP	United Nations Development Programme
USAID	United States Agency for International Development
USDEK	<i>U.U.D. '45 Sosialisme Indonesia, Demokrasi Terpimpin, Ekonomi Terpimpin dan Kepribadian Indonesia</i> [Constitution 1945, Socialism Indonesia, Leded Democracy, Leded Economy and Indonesian Personality]
UUD	<i>Undang Undang Dasar</i> [National Constitution]
VA	volt ampere
VAR	Vector Autoregressive Model
VCM	Voluntary Carbon Mechanism
WEC	World Energy Council

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