GEODIPA GEOTHERMAL ROLES & SUGGESTIONS MOVING FORWARD

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Role of GeoDipa as SMV

Suggestions Moving Forward viability gap measures

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2004

Energy Sales Contract (ESC) Dieng and Patuha for 400 MW each.

2015

Equity Participation into share of PT Geo Dipa Energi (Persero) Ex BPYBDS (Government Regulation 1/2015)

Equity Participation into shares: Capital of Rp. 607 billion (Government Regulation 63/2015)

2002

2011

- Initially established as joint venture PERTAMINA and PLN to develop Dieng dan Patuha field.
- Operating PLTP Dieng unit 1 (60 MW)

GeoDipa establishment as State Owned Enterprise (SOE) BUMN

through PP No. 62/2011.



PEMERINTAH RI 93,33% Government of Indonesia



2017

GeoDipa is assigned for development of WKP Arjuno Welirang (189 MW) and WKP Candi Umbul Telomoyo (90 MW), by ESDM Ministerial Decree 1749/2017



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In the perspective of Finance Ministry (MoF), GeoDipa, along with all other SOE under MoF, is positioned as a **Special Mission Vehicle** (SMV), a fiscal tool to achieve the country maximum fiscal performance. In accordance, GeoDipa has a direct impact towards the C (Consumption) component of the financial parameters. Meanwhile, as SOE, GeoDipa has a main task to increase renewable energy portion in the energy mix through geothermal power development.



	Private	SOE state owned enterprise	SMV special mission vehicle SMV = SOE (ministry of finance)	+ special mission
Key Privileges		Direct Assignment	Direct Access to SOE Synergy	
		Priority in Government Facilities	Direct Access to Government Guarantees	
Expected Key Specific Attributes		Debottlenecking of Non-Technical Issues	Significantly Lower Expected Return of Investment Debottlenecking of Non-Technical Issues	

	Short Term	Medium Term	Long Term	GEO DIP/
Fiscal Level (GDP)	Slow Growth	Substantial Growth	Rapid Growth	
Market	Highly Regulated Extensive Government Policy Support, Highly incentivized (SOE focus)	Less Regulated	Non-Regulated	
Role of SOE	Growing, High reliance on Government support	Dominant, Independent	Steady Role	
SMV Contribution	Limited - Growing	Substantial	Steady	
Role of Private	Limited	Growing	Dominant	
Opportunity		Public Private Partnership	Public Private Partnership	
	Fiscal Level (GDP) Market Role of SOE SMV Contribution Role of Private Opportunity	Fiscal Level (GDP)Slow GrowthMarketSlow GrowthMarketHighly RegulatedRole of SOEGrowing, High reliance on Government supportSMV contributionLimited - Growing LimitedRole of PrivateLimited	Short TermMedium TermFiscal Level (GDP)Slow Growth Slow Growth Highly Regulated Extensive Government Policy Support, Highly incentivized (SOE focus)Less Regulated Less RegulatedMarketGrowing, High reliance on Government supportDominant, IndependentSMV contributionLimited - Growing BrivateSubstantialRole of PrivateLimitedGrowing BubstantialMore of PrivateLimited - Growing BrivateSubstantialOpportunityLimitedGrowing Bubstantial	Short TermMedium TermLong TermFiscal Level (GDP)Slow Growth Highly Regulated Extensive Government Policy Support, Highly incentivized (SOE focus)Substantial Growth Fully Regulated Less Regulated Dominant, IndependentRapid Growth Fapid Growth Non-RegulatedRole of SOEGrowing, High reliance on Government supportDominant, IndependentSteady RoleSMV contributionLimited - Growing LimitedSubstantialSteadyRole of PrivateLimitedGrowing Public Private PartnershipDominant Public Private Partnership

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Challenges in Geothermal Development in Indonesia



Time

GEO DIPA ENERGI



Current VGF Scheme as Proposal



- CAPEX support (PPP project; PLTU Batang, highways) through Perpres No 38 Tahun 2015
- Other potential forms for similar VGF scheme? (loan interest, etc)

Overview Scheme for Geothermal (JICA suggestion)



Discussion:

- Require compliance confirmation possibility of PPP application for the Geothermal
- Tax Payer Money
 Opportunity for IBRD/GCF/CTF utilization
- VGF is designed for Geothermal Vs. VGF is pure infrastructure projects (President regulation 38/2015)
 G to G privileges (slightly low interest etc. than market) is accessed as PPP is involved
- Delta of cost shall be part of VGF purpose
- Down Stream incentive is promoted to invite manufactures in Indonesia (improve local content).

