



Acceleration of Development of Waste to Energy with Environment-Friendly Technology

- National Strategic Project (PerPres 3/2016 ; 58/2017 and 56/2018): 1 of 223 projects
- Main Objectives :
 - Reduce waste volume significantly to improve public health and environment quality
 - Integrated system from upstream to downstream

Province/ City	Volume (t/day)	Project status 25 Oct 2018	Commercial Operation Date (COD)
<i>CONSTRUCTION PHASE</i>			
Surabaya	1,000	<ul style="list-style-type: none"> • Developer : PT Sumber Organik • Construction phase for 9 MW Facility (progress 70% per Oct2018). PPA for 11 MW 	2019
Surakarta	400-450	<ul style="list-style-type: none"> • Developer : PT Solo Citra Metro Plasma Power • Construction phase for 5 MW Facility 	2020
<i>FINANCIAL CLOSE PHASE</i>			
Sarbagita (Bali)	1,200	<ul style="list-style-type: none"> • Assignment to PLN (Indonesia Power). In the process of partner selection (7 companies interested) 	>2021
DKI Jakarta	6,000	<ul style="list-style-type: none"> • ITF Sunter: assignment to Jakpro. In the process of due dillignece by IFC • Waiting governer's approval regarding the amount of the tipping fee 	>2021
Palembang	1,200	<ul style="list-style-type: none"> • Developer: PT Indo Green Power with BOO scheme. 	>2021
Bekasi	2,200	<ul style="list-style-type: none"> • Developer : PT Nusa Wijaya. In the process of revision of Feasibility Study and Interconnection Study 	>2021



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<i>BIDDING PHASE</i>			
Bandung (Jawa Barat)	1,820	<ul style="list-style-type: none"> • Bidding Process preparation, • Transaction Advisor processed by Project Development Facility (PDF) MoF 	>2022
Tangerang	1,000	<ul style="list-style-type: none"> • Funding scheme : assignment to regional enterprises (BUMD) and bidding for prospective partners • PQ Process on going, 9 companies interested, using MBT and RDF technologies 	>2022
<i>PREPARATION PHASE</i>			
Semarang	800-900	OBC will be funded by Australian Govt through KIAT. Bidding for OBC Consultant already opened by KIAT on October 2018	>2022
Makassar	1,000	OBC funded by South Korea Govt (KEITI and GTC). Currently in the process of OBC document finalization	>2022
South Tangerang	1,000	OBC submitted to Bappenas on Dec 2017. OBC improvement funded by South Korea Govt	>2022
Manado	1,000	Funding needed for OBC document.	>2022



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International Cooperation

Jepang

Ina-Jpn Joint Committee for WtE Development ;
26-29 2nd Joint meeting : Technical Guideline, Business Model
Target : Tangerang , Denpasar dan Jawa Barat

Korea

Masterplan completion
OBC
*Target : Makasar
Palembang FS for relandscaping*

Australia

Feasibility Study Completion of Semarang
Target : Semarang

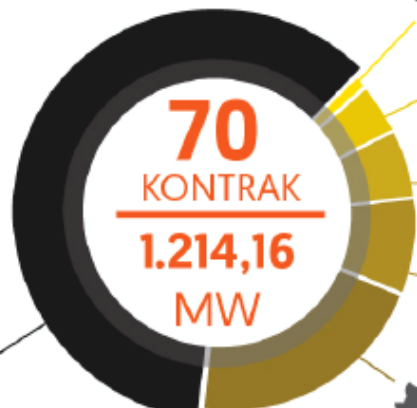
Denmark

Masterplan of Waste Management
Target : Semarang



70 KONTRAK ENERGI BARU TERBARUKAN DITANDATANGANI TAHUN 2017

Status: Juni 2018



Air [PLTA] 4 Unit
754 MW
[62%]

Biogas [PLTBg] 5 Unit
9,8 MW
[1%]

Biomassa [PLTBm] 5 Unit
32,5 MW
[3%]

Surya [PLTS] 6 Unit
45 MW
[4%]

Panas Bumi [PLTP] 1 Unit
86 MW
[7%]

Minihidro [PLTM] 49 Unit
286,8 MW
[23%]



Beroperasi



Konstruksi

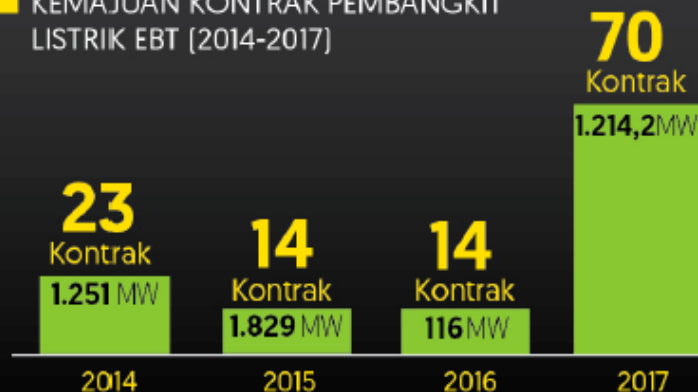


Kontrak/
Belum Konstruksi

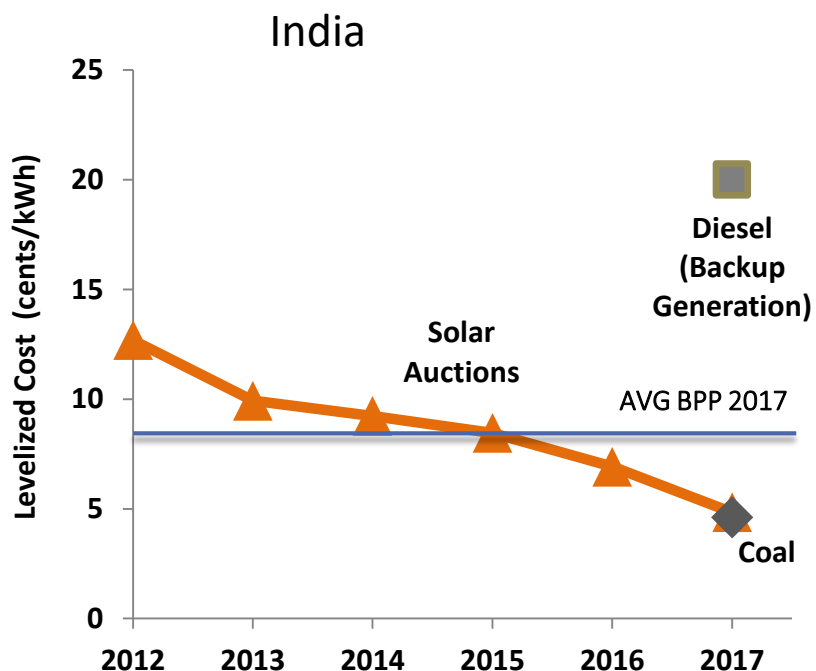
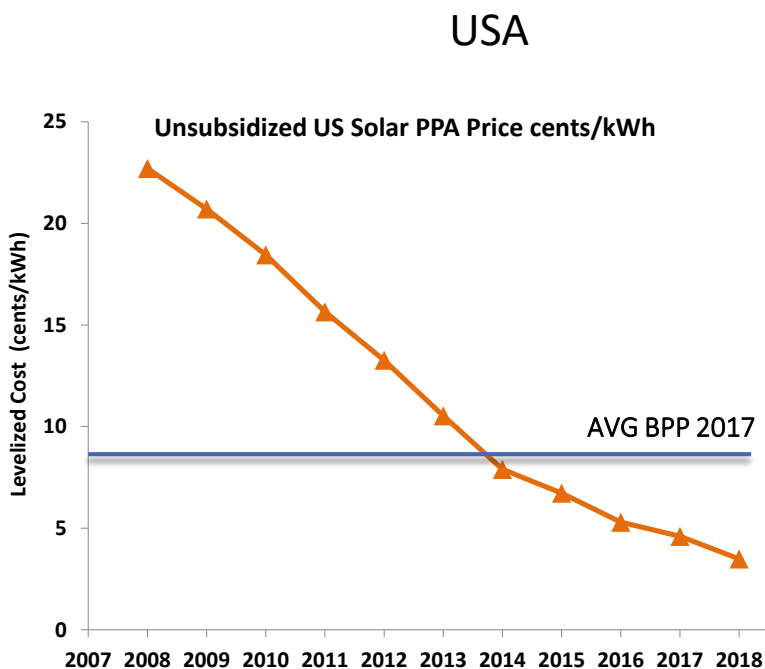
■ PENANDATANGANAN 70 KONTRAK PEMBANGKIT LISTRIK EBT TAHUN 2017



■ KEMAJUAN KONTRAK PEMBANGKIT LISTRIK EBT (2014-2017)



Solar PV costs have dropped when majority of the energy infrastructure is yet to be built in emerging economies



- Part of the cost reduction is driven by policy innovation