

LAMPIRAN

Adapun spesifikasi teknis peralatan utama PLTU Tanjung Awar-Awar Unit 2 adalah sebagai berikut:

A. Boiler

<i>Manufacturer</i>	: Harbin Boiler Co., Ltd
<i>Type</i>	: Pulverized Boiler
<i>Steam Pressure</i>	: 199 kg/cm ² g
<i>Steam Temperature</i>	: 541 °C
<i>Boiler heat release rate at MCR main steam flow</i>	: 1175 T/h

B. Main Turbine

<i>Type</i>	: Sub-critical, single reheat tandem compound, multi-cylinder type Steam Turbines
<i>Rated Output</i>	: 350 MW
<i>Rated Speed</i>	: 3000 rpm
<i>Main Steam Pressure</i>	: 170,3 kg/cm ² g
<i>Main Steam Temperature</i>	: 538 °C
<i>Reheat Steam Temp.</i>	: 538 °C
<i>Rated Back Pressure</i>	: 68,5 mmHg abs

C. Generator

<i>Manufacturer</i>	: Harbin Electric Machinery Co., Ltd
<i>Type</i>	: QFSN-350-2
<i>Cooling System</i>	: Water (Stator Winding), Hydrogen (Stator Core), Hydrogen (Rotor)

Item	Symbol	Unit	Design Coal	* Worst Coal	* Best Coal
Received Basis					
		(Kcal/kg)	4200	3900	4500
Carbon as Received Basis	Car	%	47.65	44.84	49.68
Hydrogen as Received Basis	Har	%	3.36	2.80	4.07
Nitrogen as Received Basis	Nar	%	0.77	0.65	0.55
Oxygen as Received Basis	Oar	%	14.21	10.50	14.61
Sulfur as Received Basis	Sar	%	0.23	0.21	0.09
Abrasion Index			No Information	No Information	No Information
Hardgrove grindability index	HGI	/	45	45	65
Ash Content Analysis					
Silicon Dioxide	SiO ₂	%	11.7		
Aluminum Oxide	Al ₂ O ₃	%	12.0		
Ferric Oxide	Fe ₂ O ₃	%	34.0		
Calcium Oxide	CaO	%	14.0		
Magnesium Oxide	MgO	%	12.0		
Sulfur Trioxide	SO ₃	%	13.67		
Titanium Dioxide	TiO ₂	%	0.3		
Potassium Oxide	K ₂ O	%	0.98		
Sodium Oxide	Na ₂ O	%	0.19		
Others			1.16		
Deformation Temperature	DT	°C	1150	1150	1150
Softening Temperature	ST	°C	1200	1200	1200
Hemispherical Fusion	HT	°C	1250	1250	1250