

	DATA UMUM	TANGGAL	4-Apr-23
DIVISI MARKETING	KETENAGALISTRIKAN	HALAMAN	1 / 2

 <p>Mentarang Induk HEP</p> <p>PT Kayan Hydropower Nusantara</p> <p>Reservoir Area: 238 km² Dam Crest Length: 750 m 2 x 14m dia. Underground Overhaul Tunnel 220m High CFRD Station House: 20,200 m² Powerhouse: 8 x 275 MW = 2,200 MW 5 x 6m dia. Underground Penstocks</p> <p>Estimated Capacity: 8,328 MW, Firm Power: 830 MW, Firm Energy: 8,103 GWh per year</p> <p>Note: Feasibility Study Layout</p>	NAMA PROYEK :	Supervisi PLTA Mentarang (Engineer Consultancy Services for Mentarang Induk Hydroelectric Project)
	PEMILIK :	PT Kayan Hydropower Nusantara
	JENIS PROYEK :	PLTA Induk
	LOKASI :	Kabupaten Malinau, Provinsi Kalimantan Utara, Indonesia, sekitar 47 km di hulu Kota Malinau
	PERIODE :	6200man days (1200 for internationals and 5000 for locals) or 267 man months

1	Jumlah Unit Pembangkit	
	- pembangkit permukaan	5 Unit
	Total	5 Unit
2	Kapasitas per Unit Pembangkit	
	- pembangkit permukaan	275 MW
	Total	1375 MW
	Hydrology	
	- River / Stream	Mentarang
	- Catchment area	8196 km ²
	- Mean river discharge	558,8 m ³ /s
	- Median flow	490,9 m ³ /s
	- Q _{10,000} (inflow)	12,183 m ³ /s
	- Q _{PMF} (inflow)	28,168 m ³ /s
	Reservoir	
	- Full supply level (FSL)	EL 230,0 masl
	- Maximum Reservoir Level (MRL)	EL 237,8 masl
	- Maximum Station Operating Level (MSOL)	EL 232,2 (1:10,000 AEP flood)
	- Minimum operation level (MOL)	EL 210,0 masl
	- Storage Capacity at FSL	12,717 Mm ³
	- Active storage	##### Mm ³
	- Surface Area at FSL	226 km ²
	Power Generation	
	- Installed Capacity	##### MW
	- Rated Net Head	##### m
	- Rated Discharge (5 Units)	758 m ³ /s
	- No of Units	5
	- Units Rated Power	275 MW
	- Firm Power (max, n-1), 99% dependab	830 MW
	- Firm Power (max, n-1), 95% dependab	925 MW
	- Annual Energy	##### GWh/yr
	(Firm Power set at 950 MW)	
	- Firm Energy	##### GWh/yr
	(Firm Power set at 925 MW)	
	- Power Density	6,1 W/m ²
	Dam	
	- Type	Concrete Face Rockfill Dam (CFRD)
	- Crest Level	EL 240 masl

 JAYA CM	DATA UMUM	TANGGAL	4-Apr-23
DIVISI MARKETING	KETENAGALISTRIKAN	HALAMAN	1 / 2

	- Crest Length	815	m	
	- Crest Width	9	m	
	- Total Rockfill Volume	22,6 million (without u/s blanket)	m ³	
		24,7 million (without u/s blanket)	m ³	
3	Lingkup Pekerjaan	Pengawasan		
		A.		
4	Biaya Konstruksi			
	- Onshore	TBA		
	- Offshore	TBA		
	PAGU	\$2,000m incl PPN % ; KSO - Jaya CM%		
5	Konsultan Supervisi			
	- Project Management	Tractebel Engineering Germany (TEG) (Leader)		
	- Supervisi Konstruksi	PT Jaya CM (member)		
		Nippon Koei Japan (NK)		
		Indo Koei		
	- Design	TBA		
6	Kontraktor			
	- Architect	TBA		
	- Struktur	TBA		
	- MEP	TBA		
7	Main Equipment			
	- Boiler	TBA		
	- Steam Turbine	TBA		
	- Generator	TBA		
	- GIS	TBA		
	- Main Transformers	TBA		
	- Electrical, I&C	TBA		
	- Civil Work and BOP	TBA		