

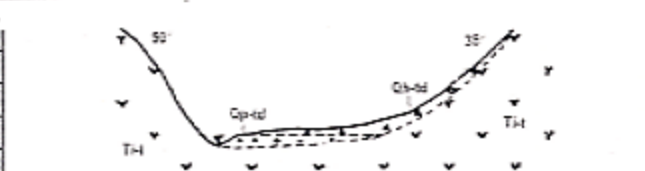

Table S.2.4.1.3 General Characteristics of Proposed Dam and Intake Site (4/18)

Site	San Jerónimo I		Department : Lima	Province : Yauyos	District : Caca	River : Cañete			
Topography	Riverbed width	Approximately 85meters including terrace in the left bank.					Dam site	a. Narrow valley is suitable for dam site. b. Granitic bedrocks show some open fractures and joints which can be treated by grouting works.	
	Characters	V-shaped valley with both abutments ranging in angle from 40° to 50° from horizontal. Rocky slope in the right abutment and terrace/ talus deposits in the left margin.							
Schematic section	<p>Qh-td: Talus deposit Qh-ac: Alluvial deposit Qp-td: Terrace deposit Qp-of: Old fluvial deposit KT-1: Andean Batholith</p>						Reservoir	Wide distribution of terrace and talus deposits in both slopes.	
								Evaluation	Topographic and geological condition is relatively favorable, but the thickness and physical properties shall be evaluated for overlying deposit in the site.
Geology	Geology of Basement	Left bank		River bed		Right bank		Issues	Thickness of terrace and talus deposit.
		u. Cretaceous~I. Tertiary		u. Cretaceous~I. Tertiary		u. Cretaceous~I. Tertiary			Slope stability and permeable property of the bedrocks.
		Andean Batholith		Andean Batholith		Andean Batholith			
		Granodiorite and diorite				Granodiorite and diorite			
	Condition of Basement	Fault	No mayor fault is present		No mayor fault is present		No mayor fault is present		Site photo
		Fracture	Vertical joints sometimes open		No notorious		Jointed		
		Alteration	No present		No present		No present		
		Weathering	Slight rusty-weathering along the fracture.		No present		Slight rusty-weathering along the fracture.		
	Overlying Sediment	Terrace deposit ranging up to 15m in height from riverbed and talus deposit colluvial type in the base of slope.		Present fluvial deposit		Some rock fragments			
	Landslide and/or Failure	Sliding of unstable talus deposit in small scale.		No present		No present			
	Remarks	Talus deposit colluvial type is distributed in large scale behind a proposed dam axes in the right abutment.							

Negative No. 16-1



Table S.2.4.1.3 General Characteristics of Proposed Dam and Intake Site (5/18)

Site		San Jerónimo II		Department : Lima		Province : Yauyos		District : Caca		River : Cañete					
Topography	Riverbed width		Approximately 20 meters										Dam site	Volcanic basement has a appropriate aspts for dam site, but overlaying unstable deposit is distributed widely.	
	Characters		Wide V-shaped valley Rocky spur in the left abutment and overlying terrace/ talus deposits in the right bank.											Reservoir	Wide distribution of terrace and talus deposit in both slopes which shall be required a slope stability analysis.
Schematic section	EL												Evaluation		Dam construction is not recommendable due to wide valley and possible thick talus deposits on the right abutment.
Geology	Geology of Basement		Left bank		River bed		Right bank		Issues						
			Lower Tertiary		Lower Tertiary		Lower Tertiary								
			Tantarà Formation		Tantarà Formation		Tantarà Formation								
			Dacitic lava and partially andesitic breccias		Dacitic lava and partially andesitic breccias		Dacitic lava and partially andesitic breccias								
	Condition of Base-ment	Fault	No mayor fault is present.		No mayor fault is present.		No mayor fault is present.		Site photo						
			Fractures in parallel with flow structure.		Massive		Fracturing								
			No present		No present		No present								
			Slight rusty-weathering along the fracture.		No present		Slight rusty-weathering along the fracture.								
	Overlying Sediment		Some rock fragments		Present fluvial deposit in small scale		Terrace deposit and talus deposit on the slope in large scale.								
	Landslide and/or Failure		No present		No present		Slide of unstable talus deposit								
	Remarks		Terrace and talus deposits are distributed widely in the right abutment. The later deposit shows unstable aspect.												

Negative No.1-29

