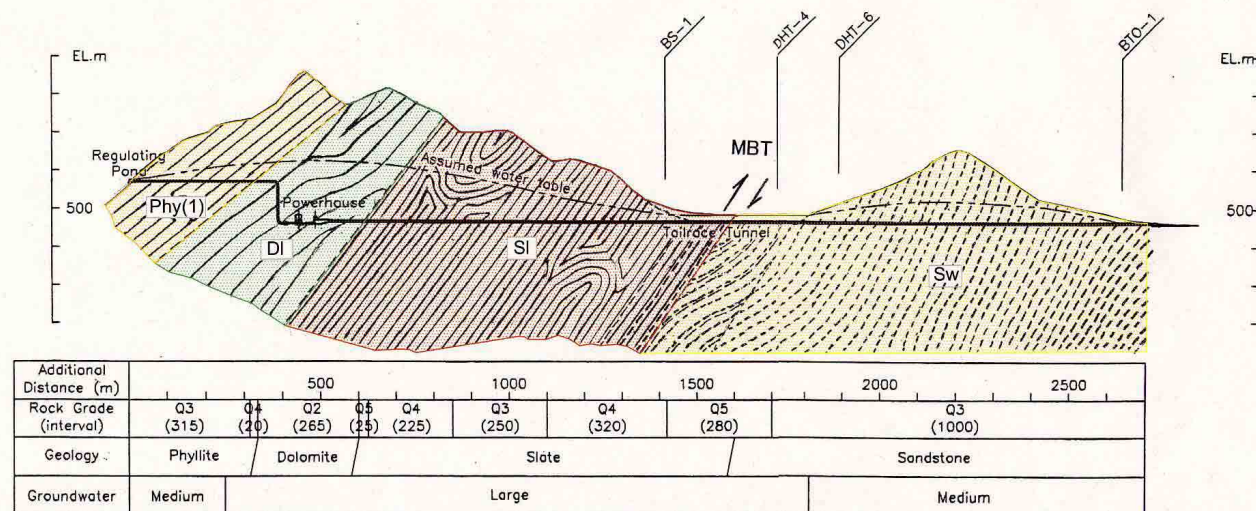


(Inlet To Regulating Pond)



(Regulating Pond To Tailrace)

Stratigraphy and Engineering Geology of Rocks in Project Area

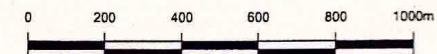
AGE	GROUP	FORMATION	SYMBOL	ROCK TYPE	GEOLOGY
Cenozoic	Recent Deposits	Riverbed deposits	Rd	Gravel and boulders	Gravel and boulders with silts
		Talus and/or Terraces	Ta	Talus deposits and terrace deposits	Talus deposits and terrace deposits
Paleozoic	Siwalik Group	(Unconformity)			
	Upper Himalayan Group	(Main Boundary Thrust)			
Pre-Cambrian	Bhupeshwar Group				

* Mahabharat Thrust (MT) :

Considered as an extension of Main Central Thrust (MCT), which forms the boundary between Higher and Lower Himalayas. Movement of MCT appears to be 5cm/year in recent years. MT is said to be basement thrust of Rattamandu Nappe which includes Bhupeshwar Group.

* Main Boundary Thrust (MBT) :

This thrust forms the boundary between Lower and Sub Himalayas. Siwalik sandstone of folded and faulted Tertiary sedimentary rock have been overthrust in the south of MBT.



Rock Exposures in Project Area

Rock Condition in Branch Adit

AGE	GROUP	FORMATION	SYMBOL	ROCK TYPE
Cenozoic	Recent Deposits		Rd	Riverbed deposits
			Ta	Talus and/or Terrace
	Siwalik Group	(Unconformity)		
Paleozoic	Upper Nawakot Group		Sw	Conglomerate, Sandstone, Mudstone
		Robang Formation	Phy (2)	Phyllite (2)
			Qz	Quartzite
			Phy (1)	Phyllite (1)
		Malekhu Formation	Di	Siliceous Dolomite
		Berighat Formation	Sl	Slate(Phyllitic)
Pre-Cambrian	Bhimphedi Group	(Mahabharat Thrust)		
		Kalitar Formation	Sq	Schist, Quarzite
		Bhaise Dobhan Formation	Mb	Limestone
		Raduwa Formation	Sch	Schist

M: Massive
Fl: Foliated













Mb		Phy(1)		Sl (Fl)	
Sch		DI		Sl (M)	
Phy(2)		Sl		DI (Fl)	
Qz		Sw		DI (M)	

Figure B2.2.4 Rock Condition in Project Area