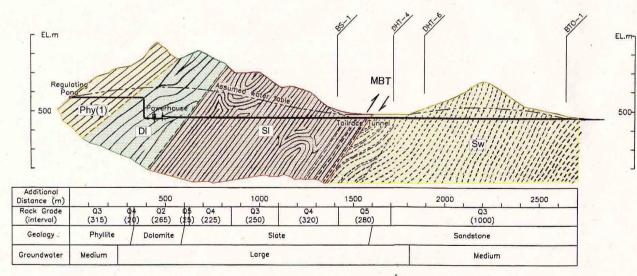


## (Inlet To Regulating Pond)



( Regulating Pond To Tailrace )

## Stratigraphy and Engineering Geology of Rocks in Project Area

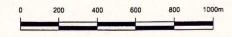
AGE	GROUP	FORMATION	SYMBOL	ROCK TYPE	GEOLOGY	
Cenozoic	Recent	(Uncomformity)	Rd.	Riverbed deposits Talus and/or Terrace	Send and gravels with bolders Table deposits and terrace deposits.	
	Siwalik Group		900	Congismerate, Sandstone, Muditone	Sandstone, mudstone, and small ponions of conglomerates. Relatively soft and fractured near MBT.	
Paleozoic	Upper Newakot Group	(Main Boundary Thrust)	9-40 623	Phyllite (2)	libus green shair phyllines, generally chloride, intesculation of calculious beds. Relatively compact in general.	
		Robung Formation	Gr.	Quertzite	Quantile. Intercalation of this phytlite at some localities. Massive and compact in general.	
			Psy	Phylite (1)	Blue green phyllites, generally chloritic Relatively compact general.	
		Malekhu Formation	/ol	Siliceous Dolomite	Light-to-fark and greenish gray side rous dolomites. Interculation of thin crystalline limestone and calc-phyllites. Mussive and relatively well bedded.	
		Berighat Formation	11.00	Slate(Phyllitic)	Dark gray states and phyllites together with black carbonaceous state. Fractured and weathered near MBT.	
Pre-Cambrian	Bhimphedi Group	(Mahabharat Thrust) Kalitar Formation	. Sq.	Schist, Quarzite	Durk green to gany colored two arics and biotic schist with innerelation of quartitie and gamets. Strongly folded and fractured at places.	
		Bhaise Dobhan Formation	Mac	Limestone	Coane crystalline marble, linestone with intervalation of this schist. Marble and limestone are massive and well bedded.	
		Raduwa Fernation	Solt	Schist	Conne-crystalline, highly gameriferous mice schist, gaeissic schist. Some quartzine are also seen in this formation.	

\* Mahabharat Thrust (MT) :

Considered as an extension of Main Central Thrust (MOT), which forms the boundary between Higher and Lower Himalayas, Movement of MOT appears to be 5cm/year in recent years. MT is said to be basement thrust of Kathmand happe which includes Bhimphedi Grou

\* Main Boundary Thrust (MBT) :

sedimetary rock have been overthrusted in the south of MBT.



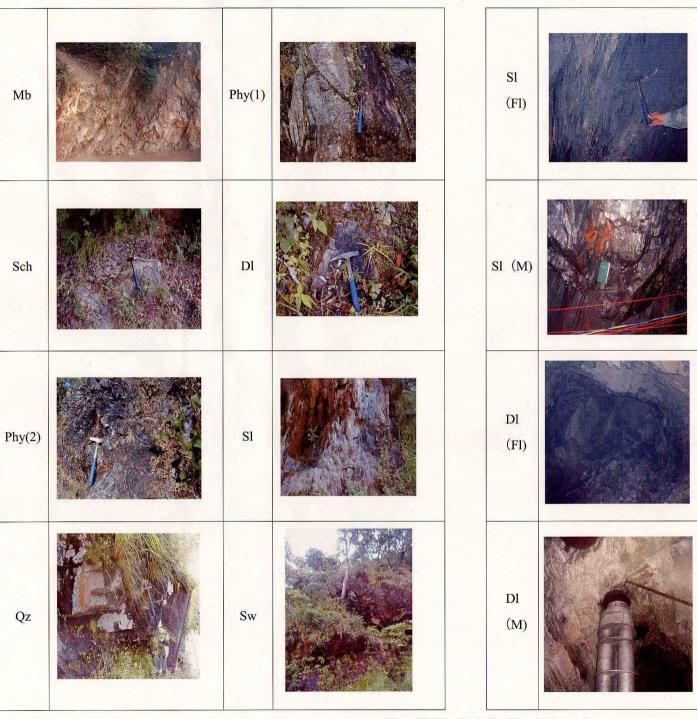
THE UPGRADING FEASIBILITY STUDY ON THE DEVELOPMENT OF THE KULEKHANI III HYDROPOWER PROJECT IN THE KINGDOM OF NEPAL

JAPAN INTERNATIONAL COOPERATION AGENCY

Figure B2.2.3 Geological Profile along Waterway

AGE	GROUP	FORMATION	SYMBOL	ROCK TYPE
oic	Recent Deposit s		Rd Ta	Riverbed deposits Talus and/or Terrace
Cenozoic	Siwalik Group	(Uncomformity)	Sw	Conglomerate, Sandstone, Mudstone
		(Main Boundary Thrust)	Phy (2)	Phyllite (2)
	Upper Nawakot Group	Robang Formation	Qz	Quartzite
Paleozoic			Phy (1)	Phyllite (1)
		Malekhu Formation	DI	Siliceous Dolomite
		Berighat Formation	SI	Slate(Phyllitic)
Pre-Cambrian	dno.	Kalitar Formation	Sq	Schist, Quarzite
	Bhimphedi Group	Bhaise Dobhan Formation	МЬ	Limestone
Pre	Bhim	Raduwa Formation	Sch	Schist

M: Massive Fl: Foliated



Rock Exposures in Project Area

Figure B2.2.4 Rock Condition in Project Area

Rock Condition in Branch Adit