

ae GROUP	FORMATION	SYMBOL	ROCK TYPE	GEOLOGY	- Structure	Demanded Data for DetailedI Design	Core Boring			Geophysical Prospectin				Boreh			In-situ Roc		ck lest			in the second	Lavorat		ratory Test			2.1517
		·····	Riverbed deposits	Sand and gravels with bolders						Scismic Refraction Prospecting		2-D Electrical Resistivity Prospecting		Standard Penetration Test	Lugeon	Test	Rock Shear Test	Plate L		River- Material	T .	Unit Weight	Absorpti sonic on measure		Uniaxial Tensile strengt strengt h h		Engineeri g Works	n Remark
Rece		Ta	Talus and/or Terrace	Talus deposits and terrace deposits.			No.	(m) Tota	I No.	(m)	Total N	o. (n	n) Total	Tota	al Nos	Total	Nos Tota	I Nos	Total	Nos	Total	Nos	Nos	Nos	Nos	Nos T	otal	
- 0	4				Headworks	Depth of sound rock	B1-2	30	-	-				-	-		-	-				4	1	5	4	4	-	-
-	(Uncomformity)		Conglomerate, Sandstone, Mudstone	Sandstone, mudstone, and small portions of conglomerates. Relatively soft and fractured near MBT.	Vertical Adit	Rock grade	BS-1	110	-	-				29	-		-	-			2	-	-	-	-	-	-	-
Siwalik Group	S.S.S.				Power House	Geological information for layout and designing of underground structures	BPV-1 BPV-2A	115	1		ER		10	- 3	12 - 8		3	3	2	2. 18		18	19 3	31	18 3	31 - 4	Analysis o joint and fa	ult Drilling i
	(Main Boundary Thrust) Robang Formation Malekhu Formation		Phyllite (2)	Blue green slatic phyllites, generally chloritic. Intercalation of calcalious beds. Relatively compact in general.			BPV-2B BPV-3 BPH-1	100	-	-				-	6 7		3	3	13			3	4	4 - 9	3 10	- 9	set. FEM analysis.	test adit
					Vertical Work Adi	Rock grade	DHT-4	78	-	-				11	2			-			t	5	1	3	5	3		-
					Tailrace Tunnel	Depth of sound rock	DHT-6 BTO-1	60 20	STO-	1 <u>300</u> 2 115	ER	D-1 35	50	1 6	_		_	_				6	3 1	2	5	3	_	2
ę		Qz		Quartzite. Intercalation of thin phyllite at some localities. Massive and compact in general.	Bridges	around tunnel portal	BA-1	20	-	-			_	-	-			1				-	-	-	-	-		325
t Grou						Depth of sound rock near abutment and pier	BA-2 BP-1	30	-	-		- -		6	-		-	-				-	-	-	-	-	-	-
r Nawako		Phy (1)	Phyllite (1)	Blue green phyllites, generally chloritic, Relatively compact in general.	Conection Tunnels	Geological condition of ridges to decide tunnel	BCT-1 BCT-2 BO-1	40 40 40 20	SCT- SO-1 SO-2	1 600 130 100				-	-		-	-				11 2 2	12 1 3	13 - -	11 2 1	13 - -	-	-
Uppe		DI		Light-to-dark and greenish gray siliccous dolomites. Intercalation of thin crystalline limestone and calc- phyllites. Massive and relatively well bedded.		route	BMT-1 BD-4 BD-5	80 50 50	-	-				-	9		5					1 6 2	3 4 2	2 - 9	1 4 2	- 9	Survey o	
	Berighat Formation	SI	Slate(Phyllitic)	Dark gray slates and phyllites together with black carbonaccous slate. Fractured and weathered near MBT.	Regulating Pondage		BD-6 BD-7 BD-8* BD-9	40 30 30 30	-	-				-	5 1 5 4		-	-				3	3	0 7 - -	4	- - -	slope stabil around the reservoir Esitmate o accretion	of -
	{Mahabharat Thrust}- Kalitar Formation	Sq	Schist, Quarzite	Dark green to gray colored two mica and biotite schist with intercalation of quartzite and gamets. Strongly folded and fractured at places.			BD-10 LS-1 LS-2	30 30 30						- 11 13				1.53		3h		- 2	1	- 2	- 2	- 2	sand.	
9						Total	26	1,27	2 5	5	1,245	3	1,750	101		68	:	3	3	6	6	86	80	100	81	98 4	445 –	
mphedi Gro	Bhaise Dobhan Formatio	n Mb	Limestone	Coarse crystalline marble, limestone with intercalation of thin schist. Marble and limestone are massive and well bedded.								Г	THE		CEEAS	IDII ITA	CTUDY	ONTHE	DEVE	LODM	ENT	-						
Bhi	Raduwa Formation	Sch	Schist	Coarse-crystalline, highly gametiferous mica schist, gneissic schist. Some quartzites are also seen in this formation.									THE UI	THE UPGRADING FEASIBILITY STUDY ON THE DEVELOPMENT OF THE KULEKHANI III HYDROPOWER PROJECT IN THE KINGDOM OF NEPAL									vantigat					
												JAPAN INTERNATIONAL COOPERATION AGENCY										Location Map of Geological Investigat						