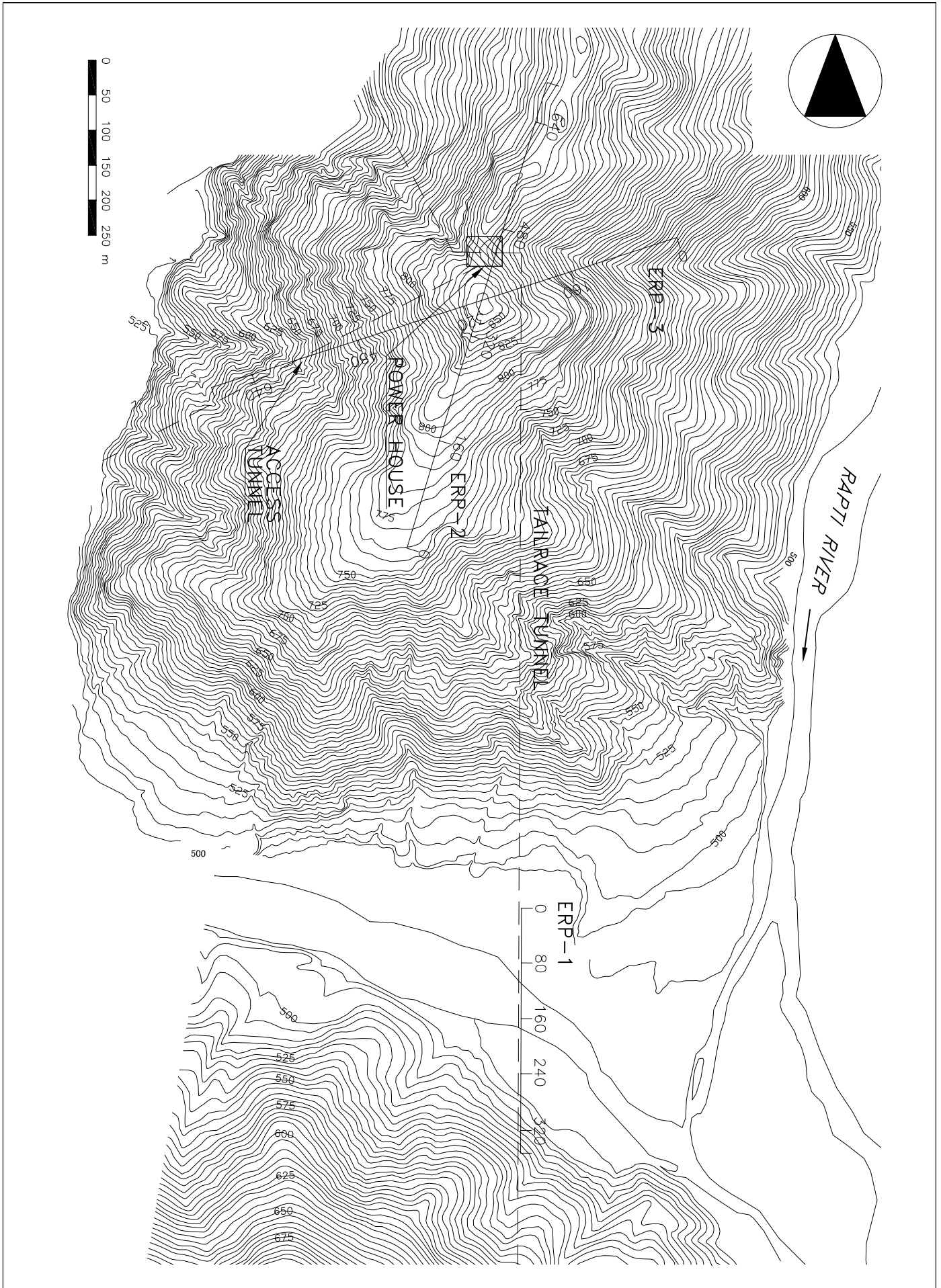


AGE GROUP	FORMATION	SYMBOL	ROCK TYPE	GEOLOGY	Structure	Demanded Data for Detailed Design	Core Boring		Geophysical Prospecting			Borehole Test		In-situ Rock Test		River-bed Material Test		Laboratory Test					Engineering Works	Remarks					
							No.	(m)	No.	(m)	Total	No.	(m)	Total	Standard Penetration Test	Lugeon Test	Rock Shear Test	Plate Loading Test	Nos	Total	Nos	Total			Unit Weight	Absorption	Ultrasonic measurement	Uniaxial strength	Tensile strength
Cenozoic	Recent Deposits	Rd	Riverbed deposits	Sand and gravels with boulders	Headworks	Depth of sound rock	BI-2	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Talus and/or Terrace	Ta	Talus deposits and terrace deposits.	Vertical Adit	Rock grade	BS-1	110	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Paleozoic	(Unconformity)	Sw	Conglomerate, Sandstone, Mudstone	Sandstone, mudstone, and small portions of conglomerates. Relatively soft and fractured near MBT.	Power House	Geological information for layout and designing of underground structures	BPV-1	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							BPV-2A	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(Main Boundary Thrust)	Phy (2)	Phyllite (2)	Blue green slatic phyllites, generally chloritic. Intercalation of calculeous beds. Relatively compact in general.	Vertical Work Adit	Rock grade	DHT-4	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
							DHT-6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Upper Nawakot Group	Robang Formation	Qz	Quartzite	Quartzite. Intercalation of thin phyllite at some localities. Massive and compact in general.	Tailrace Tunnel	Depth of sound rock around tunnel portal	BTO-1	20	STO-1	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
								BTO-1	20	STO-2	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Malekhu Formation	DI	Siliceous Dolomite	Light-to-dark and greenish gray siliceous dolomites. Intercalation of thin crystalline limestone and calc-phyllites. Massive and relatively well bedded.	Bridges	Depth of sound rock near abutment and pier	BA-1	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
							BA-2	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Berighat Formation	SI	Slate(Phyllitic)	Dark gray slates and phyllites together with black carbonaceous slate. Fractured and weathered near MBT.	Connection Tunnels	Geological condition of ridges to decide tunnel route	BCT-1	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
							BCT-2	40	SCT-1	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mahabharat Thrust)	Kalitar Formation	Sq	Schist, Quartzite	Dark green to gray colored two mica and biotite schist with intercalation of quartzite and gamets. Strongly folded and fractured at places.	Regulating Pondage	Contour map of sound rock Permeability of dam foundation. Rock properties for designing	BO-1	20	SO-1	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							BMT-1	80	SO-2	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pre-Cambrian	Bhimphedi Group	Mb	Limestone	Coarse crystalline marble, limestone with intercalation of thin schist. Marble and limestone are massive and well bedded.	Regulating Pondage	Contour map of sound rock Permeability of dam foundation. Rock properties for designing	BD-4	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							BD-5	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bhaise Dobhan Formation	Sch	Schist	Coarse-crystalline, highly gametiferous mica schist, gneissic schist. Some quartzites are also seen in this formation.	Regulating Pondage	Contour map of sound rock Permeability of dam foundation. Rock properties for designing	Contour map of sound rock Permeability of dam foundation. Rock properties for designing	BD-6	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							BD-7	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Raduwa Formation	Sch	Schist	Coarse-crystalline, highly gametiferous mica schist, gneissic schist. Some quartzites are also seen in this formation.	Regulating Pondage	Contour map of sound rock Permeability of dam foundation. Rock properties for designing	Contour map of sound rock Permeability of dam foundation. Rock properties for designing	BD-8	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							BD-9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	Total	Total	Total	Total	Total	Total	LS-1	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							LS-2	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total							26	1,272	5	1,245	3	1,750	101	68	3	3	6	6	86	80	100	81	98	445	-	-			

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