MILESTONE WORK PLAN FOR RUNWAY RESURFACING AND EXTENSION AND OTHER ANCIALLARY WORKS AT BUMTHANG DOMESTIC AIRPORT

WBS	Task Name	Unit	Qty	2022																											
				Jan				Feb				Mar				Apr				May				Jun				Jul				Aug			
				Mnth 1				Mnth2				Mnth 3				Mnth 4				Mnth 5				Mnth 6				Mnth 7				Mnth 8			
				W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4
1	**Resurfacing and other development works at BDA**																																		
1.1	**Mobilisation**																																		
1.1.1	**Site establishment**																																		
1.1.1.1	Site Laboratory	nos	1				0.5		1																										
1.1.1.2	Site office	nos	1				1																												
1.1.1.3	Site stores	nos	1				1																												
1.1.1.4	Workers' camps	nos	1				1																												
1.1.1.5	Plants installation and testing	nos	1								0.3				0.7				1																
1.1.2	**Raw Materials**																																		
1.1.2.1	**Gabion walls and fencing**																																		
1.1.2.1.1	Cement	bags	2730				0.3				0.6				1																				
1.1.2.1.2	Sand	cum	355				0.3				0.6				1																				
1.1.2.1.3	Aggregates	cum	500				0.3				0.6				1																				
1.1.2.1.4	Boulders	cum	11678				0.3				0.6				0.9		1																		
1.1.2.1.5	Steel members	kgs					0.5				1																								
1.1.2.1.6	Concertina coils	kgs	4950				0.5				0.9		1																						
1.1.2.1.7	Barbed wires	mts	32530				0.5				0.9		1																						
1.1.2.1.8	Chain linked fencing	sqm	3632				0.5				0.9		1																						
1.1.2.1.9	GI double knotted mesh(gabion boxes)	sqm	16860				0.5				0.9		1																						
1.1.2.1.10	GI chainlink mesh(gabion boxes)	sqm	9450				0.5				0.9		1																						
1.1.2.2	**Bitumen works**																																		
1.1.2.2.1	Aggregates	cum	6870				0.1				0.3				0.5				0.9				1												
1.1.2.2.2	Sand	cum	3885				0.1				0.3				0.5				0.9				1												
1.1.2.2.3	Bitumen	tonne	810				0.1				0.3				0.5				0.9				1												
1.1.2.2.4	Cement	bags	10615																				0.5				1								
1.1.3	**Testing**																																		
1.1.3.1	Bitumen																				1														
1.1.3.2	JMF																				1														
1.2	**Fencing and Gabion wall**																																		
1.2.1	New Gabion wall with fencing on top including toe banking	mts	760								0.4				0.8				1																
1.2.2	Toe banking in existing Gabion walls	mts	1600																0.5		0.7		1												
1.2.3	Realignment of fencing(new)	mts	1150												0.5				1																
1.2.4	Demolition of existing fencing	mts	330																		0.5		1												
1.3	**Existing Runway with extension including apron**																																		
1.3.1	Jungle clearing(extension)										1																								
1.3.2	Earthwork in excavation in extended area full width	mts	650								0.4				1																				
1.3.3	Embanking works over full length including side strips of existing runway	mts	1600								0.3				0.4				0.7		0.8		0.9		1										
1.3.4	Preparation of sub grade(extension) full width	mts	650												0.5				0.5																
1.3.5	Providing and Laying GSB(extension) full width	cum	3500																1																
1.3.6	Providing and Laying wet mix macadam(extension) full width	cum	3100																0.3		0.6		1												
1.3.7	Laying of SDAC over full length including existing runway and apron full width	cum	3700																						0.5		1								
1.3.8	Laying of DAC over full length, full width including existing runway and apron	cum	2620																										0.5		1				
1.3.9	Pavement connecting terminal to apron including all finishing works full width	mts	50																												0.5		1		
							MILESTONE 1				*MILESTONE 2*				*MILESTONE 3*				*MILESTONE 4*				*MILESTONE 5*				*MILESTONE 6*				*MILESTONE 7*				*MILESTONE 8*				*MILESTONE 9*				*MILESTONE 10*				*MILESTONE 11*			