SUMMARY

I. South Section (Prek Kdam to Thlea Ma'am Section)

Item	Location		Parameter/ Means of Monitoring	Result (Average)	Standard	Frequency	Remarks
Air quality	KP 52- Kampong Tralach	road side	SPM10	0.022	0.05 mg/m^3 (WHO, average 24h)	1 time in dry season and 1 time in rainy season	-Based on the actual observations in and around the project area and the results of air quality analysis of nine (09) locations, were in line with the standards set by the Ministry of Environment. -Fully Complied.
		200m away from road side					
	KPC Bypass	road side		0.026			
		200m away from road side					
	KP 148 - Krakor	road side		0.019			
		200m away from road side					
	KP 52- Kampong Tralach	road side	SPM2.5	0.016	0.02 mg/m^3 (WHO, average 24h)		
		200m away from road side					
	KPC Bypass	road side		0.013			
		200m away from road side					
	KP 148 - Krakor	road side		0.011			
		200m away from road side					
	KP 52- Kampong Tralach	road side	SO2	0.057	0.30 mg/m^3 (MOE, average 24h)		
		200m away from road side					
	KPC Bypass	road side		0.043			
		200m away from road side					
	KP 148 - Krakor	road side		0.046			
		200m away from road side					
	KP 52- Kampong Tralach	road side	NO2	0.047	0.10 mg/m^3 (MOE, average 24h)		
		200m away from road side					
	KPC Bypass	road side		0.039			
		200m away from road side					
	KP 148 - Krakor	road side		0.035			
		200m away from road side					
Noise	KP 52- Kampong Tralach ROW boundary		Noise Level	49.36	70dB (06:00-18:00) 65dB (18:00-22:00) 50dB(22:00-06:00)		-Results of the noise level analysis in average showed that they were compliant with the noise level standard set by the Ministry of Environment. -Fully Complied
	KPC Bypass, ROW boundary			51.46			
	KP 148 - Krakor, ROW boundary			51.00			
	KP 52- Kampong Tralach ROW boundary		Vibration Level	28.32	65Hz (05:00-17:00)		

Vibration	KPC Bypass, ROW boundary		31.35	60Hz (17:00-05:00) (Lab. MOE)		-The results of the vibration level analysis in average are compliant with the Cambodia
	KP 148 - Krakor, ROW boundary		24.95			
General waste	Along the road and public gathering	Discharged amount	-Fully Complied.		Surveyed 1 time per year based on the data of institution for garbage collection.	-Fully Complied.
		Recycled amount				
		The way of recycle				
		Treated amount				
		Location of final disposal site				
Subsidence	Building and other structures in Kampong Chhnang Province	Rising up of building is visually inspected	-Fully Complied.		1 time in dry season and 1 time in rainy season	-Fully Complied.
	Building and other structures in Pursat Province					
Ecosystem	Along NR-5	Visual observation of animals, reptiles and amphibious	-Fully Complied.		Every half year (1 time in dry season and 1 time in rainy season)	-Fully Complied.
	Odongk Bypass					
	Kampong Chhnang Bypass					

II. Middle Section (Thlea Ma'am to Battambang and Sri Sophorn to Poipet Sections)

Item	Location		Parameter/ Means of Monitoring	Result (Average)	Standard	Frequency	Remarks
Air quality	Pursat Bypass	road side	SPM10	0.021	0.05 mg/m^3 (WHO, average 24h)	1 time in dry season and 1 time in rainy season	-Based on the actual observations in and around the project area and the results of air quality analysis of nine (09) locations, were in line with the standards set by the Ministry of Environment. -Fully Complied.
		200m away from road side					
	Pou Mouy Village Moung Russei District	road side		0.023			
		200m away from road side					
	Phun Koun Damrei, Ou Chrov District	road side		0.019			
		200m away from road side					
	Pursat Bypass	road side	SPM2.5	0.014	0.02 mg/m^3 (WHO, average 24h)		
		200m away from road side					
	Pou Mouy Village Moung Russei District	road side		0.012			
		200m away from road side					
	Phun Koun Damrei, Ou Chrov District	road side		0.012			
		200m away from road side					
	Pursat Bypass	road side	SO2	0.045	0.30 mg/m^3 (MOE, average		
		200m away from road side					
		road side					

	Pou Mouy Village Moung Russei District	200m away from road side		0.058	24h)		
	Phun Koun Damrei, Ou Chrov District	road side		0.048			
		200m away from road side					
	Pursat Bypass	road side	NO2	0.036	0.10 mg/m^3 (MOE, average 24h)		
		200m away from road side					
	Pou Mouy Village Moung Russei District	road side		0.035			
		200m away from road side					
	Phun Koun Damrei, Ou Chrov District	road side		0.034			
		200m away from road side					
Noise	Pursat Bypass ROW boundary		Noise Level	51.46	70dB (06:00-18:00) 65dB (18:00-22:00) 50dB(22:00-06:00)		-Results of the noise level analysis in average showed that they were compliant with the noise level standard set by the Ministry of Environment. -Fully Complied
	Pou Mouy Village Moung Russei Distric, ROW boundary			47.06			
	Phun Koun Damrei, Ou Chrov District, ROW boundary			51.65			
Vibration	Pursat Bypass ROW boundary		Vibration Level	27.77	65Hz (05:00-17:00) 60Hz (17:00-05:00) (Lab. MOE)		-The results of the vibration level analysis in average are compliant with the Cambodia standard. -Fully Complied.
	Pou Mouy Village Moung Russei Distric, ROW boundary			24.05			
	Phun Koun Damrei, Ou Chrov District, ROW boundary			24.83			
General waste	Along the road and public gathering		Discharged amount	-Fully Complied		Surveyed 1 time per year based on the data of institution for garbage collection.	-Fully Complied.
			Recycled amount				
			The way of recycle				
			Treated amount				
			Location of final disposal site				
Subsidence	Building and other structures in Pursat Province		Rising up of building is visually inspected	-Fully Complied		1 time in dry season and 1 time in rainy season	-Fully Complied.
	Building and other structures in Battambang Province						
	Building and other structure in Banteay Meanchey Province						
Ecosystem	Along NR-5		Visual observation of animals, reptiles and amphibious	-Fully Complied		Every half year (1 time in dry season and 1 time in rainy season)	-Fully Complied.
	Pursat Bypass						

III. NORTH SECTION (BATTAMBANG TO SRI SOPHORN SECTION)

Item	Location		Parameter/ Means of Monitoring	Result (Average)	Standard	Frequency	Remarks
Air quality	BTB-KP 300	road side	SPM10	0.023	0.05 mg/m^3 (WHO, average 24h)	1 time in dry season and 1 time in rainy season	-Based on the actual observations in and around the project area and the results of air quality analysis of nine (09) locations, were in line with the standards set by the Ministry of Environment. -Fully Complied.
		200m away from road side					
	BTB Bypass intersection with NR-57	road side		0.021			
		200m away from road side					
	BMCH-KP 356	road side		0.024			
		200m away from road side					
	BTB-KP 300	road side	SPM2.5	0.012	0.02 mg/m^3 (WHO, average 24h)		
		200m away from road side					
	BTB Bypass intersection with NR-57	road side		0.013			
		200m away from road side					
	BMCH-KP 356	road side		0.015			
		200m away from road side					
	BTB-KP 300	road side	SO2	0.044	0.30 mg/m^3 (MOE, average 24h)		
		200m away from road side					
	BTB Bypass intersection with NR-57	road side		0.041			
		200m away from road side					
	BMCH-KP 356	road side		0.043			
		200m away from road side					
	BTB-KP 300	road side	NO2	0.043	0.10 mg/m^3 (MOE, average 24h)		
		200m away from road side					
	BTB Bypass intersection with NR-57	road side		0.036			
		200m away from road side					
	BMCH-KP 356	road side		0.033			
		200m away from road side					
Noise	BTB KP 300, ROW boundary		Noise Level	50.63	70dB (06:00-18:00) 65dB (18:00-22:00) 50dB(22:00-06:00)		-Results of the noise level analysis in average showed that they were compliant with the noise level standard set by the Ministry of Environment. -Fully Complied
	BTB Bypass intersection with NR-57, ROW boundary			48.58			
	BMCH-KP 356, ROW boundary			50.82			
Vibration	BTB KP 300, ROW boundary		Vibration Level	25.82	65Hz (05:00-17:00) 60Hz (17:00-05:00) (Lab. MOE)		-The results of the vibration level analysis in average are
	BTB Bypass intersection with NR-57, ROW boundary			23.92			

	BMCH-KP 356, ROW boundary		29.49			compliant with the Cambodia standard
General waste	Along the road and public gathering	Discharged amount Recycled amount The way of recycle Treated amount Location of final disposal site	-Fully Complied		Surveyed 1 time per year based on the data of institution for garbage collection.	-Fully Complied.
Subsidence	Building and other structure in BTB Province Building and other structure in BMCH Province	Rising up of building is visually inspected	-Fully Complied		1 time in dry season and 1 time in rainy season	-Fully Complied.
Ecosystem	Along NR-5 Odongk bypass Kampong Chhnang bypass	Visual observation of animals, reptiles and amphibious	-Fully Complied		Every half year (1 time in dry season and 1 time in rainy season)	-Fully Complied.