Environmental Monitering Form for Construction Stage

r	Environmental Moniterii	ng Form for Construction Stage	r		Attachment EN3	
Item	Location	Parameter/Means of Monitoring	Result (Average/Max /Total, etc)	Standard (Legal/International Standard)	Frequency	Remarks
	construction site	visual inspection of mechanical condition and exhaust gas	colorless gas, no eyes irritation was left		every day before working	In order to avoid air pollution, a watering schedule was drawn up, it was a question of watering the section concerned by the work twice a day.
	construction site	visual observation of dust	No observation of dust in the air. The study was conducted in the rainy season		every day before working	
Air quality		SDM10	0.206 20.54		•	
	boundary of ROW nearest to construction site	SF W TU	9,200 - 28,34	50 μg/ m3 (wnO, average 24n)	2 times in dry season and 2times in rainy season	
		SPM2.5	4, 6 766 – 15,206	25 µg∕m3 (WHO, average 24h)		
		SO2	0 - 0,013	0.30 mg/m3 (MOE, average 24h)		
		NO2	0	0.10 mg/m3 (MOE, average 24h)		
		03	0 - 0,043			
		visual observation			every day	The assessment of the baseline situation was carried
	rivers including Sanaga river, streams and other public water bodies where construction works are executed	analysis using potable pH and turbidity meter				out every quarter
water quality		pΗ	4,8 - 5,7	6.5-8.5	when any pollution is suspected	The presence of suspended matter (67.5 mg / L) testifies to the existence in the water of organic and inorganic matter in suspension; the turbidity of this watercourse is 6.4 NTU, slightly higher than the norm (\leq 5 NTU) and a COD (55 mg / L) slightly higher than the norm (\leq 30 mg / L) biodegradable organic matter since a BOD5 of 56.25 mg / L slightly higher than the standard (\leq 50 mg / L) was observed. The heavy metal detected in the water of this river, lead (1.03 x 10–3 mg / L) is below the norm (\leq 0.01 mg / L). The value of fecal coliforms detected in this course of water (102 UCF / 100 mL) below the standard (\leq 2000 UCF / 100 mL) could result from faecal contamination of animal origin.
		TUBB	<u>2,4 - 7,8</u> 6,2 - 63,3	25-100 (mg/l) <5 (NTU)		
		MES	12 - 88	50 – 100 (mg/l)		
		COND	0 - 40	<400 (µS.cm-1)		
		BOD	<u>12905.00</u> <u>4 1 - 33 3</u>	1-10 (mg/l) 1-8 (mg/l)	-	
		PLOMB	0	≤0,01 (mg/l)		
		CADMIUM	0	≤0,0005 (mg/l)		
			0	$\leq 0.05 \text{ (mg/l)}$		
		CUIVRE	0	$\leq 1 \text{ (mg/l)}$		
		CF	12 – 19	< 2000 (UFC/100 ml)		
noise	boundary of land plot nearest to the construction site	Noise level	37,6 - 66,6	60dB(06:00-18:00) 60dB(06:00-18:00) 60dB(06:00-18:00) (MOE, residential area)	*when noise/ vibration level exceeding the standards is suspected *when	In order to avoid noise pollution, the working hours have been distributed so that the work is carried out during
vibration		vibration level	0	65Hz(05:00-17:00) 60dB(17:00- 05:00)	local residents complain	
		discharged amount	176 Kg			

			-	
			recycled amount	176 Kg
general waste	waste storage at construction site		the way of recycle	Storage at the staff housing site in Mangaï and recover
			treated amount	
			location of final disposal	Storage at the staff housing site in Mangaï and recover Stabilization with chlorine then evacuation by SATE; I approved by the Control Mission.
			discharged amount	620 Kg of solid waste and 1850 liter of liquid waste
			recycled amount	620 Kg of solid waste and 1850 liter of liquid waste
		general waste	the way of recycle	
			treated amount	
			location of final disposal	
Hydrology	rivers, streams and reservoirs where construction works are executed	visual inspection on volume and speed of water flow		Number of watercourses not disturbed by the works = disturbed by the works = 07
	lot 1			
	lot 2	1		
Ecosystem	lot 3	visual observation of animals, reptiles and amphibious		Palm rats (Xerus erythropus), dwarf mongooses (Helo (Cephalophus monticoles) and Cob defassa (Kobus ell grasscutter (Thryonomys swinderianus), porcupine (Hy (Myosciurus pumilio), Gambian rat (Cricetomys gambia (artherurus africanus), reptiles (naja, monitor lizards, p fish inhabit the rivers of the region, there are species niloticus), Catfish (Clarias gariepinus), Common carp (Heterotis niloticus)
	lot 4			



**Remarks; Past trend and current status including remedial measures if necesary