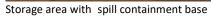
				al and Social Monitoring Form fo	or Construction Standard	Stage	_
Item	Location	Parameter/ Means of Monitoring		(Average / Max / Total, etc.)	(Legal / International Standard)	Frequency	Remarks
	Construction site	Visual inspection of mechanical condition and exhaust gas		Equipment in good mechanical condition.		Every day before working	Everyday all equipment are inspected before any activity.
	Construction site	Visual observation of dust		Dust emission are minimized by regular and controled watering, especially on dry and Windy days.		Every day	Watering is being performed regularly throught construction site in the following areas: Main - Camp, Quarry, Sub - Camp, Villages, Work Fronts including detours and critical areas. Every month we are monitoring the dust wih equiment (ongoing)
		No. of complaint		There is no complaint.		Any time	Not yet reported during this period.
Air quality	Boundary of ROW nearest to construction site	SPM10		For the results of measurements please see the Main Camp, Quarry Lilumile 1-hr PM10 Monitoring by Dust Meter - 13-12-2018 in separete doc. Average: 2.4 µg/m³, Max: 14 µg/m³ at Main Camp, Average: 112.5 µg/m³, Max: 656 µg/m³, at Quarry, Average: 16.3 µg/m³, Max: 26 µg/m³, at Lilumile.	0.02 mg/m³ (Japan, average 24h)	2 times in dry season and 2 times in rainy season	The countermeasures taken against the high level of dust at the Quarry were: the contractor has already provided the big plastic tanks to keep water and using during the crash process on quarry to avoid dust. At the Main camp, Singewe and Lilumile, the contractor provided signs for restricted park, speed limit, speed hams were installed in sensitives areas to reduce the impact. Note that, in dry season the contractor uses the water boozers to watering all sensitives areas and critical access.
		SO ₂		Not yet started monitoring measurements	0.04 mg/m³ (Japan, average 24h)		We have already sent a letter to the contractor to provide equipment.
		NO ₂		Not yet started monitoring measurements	0.10 mg/m³ (Japan, average 24h)		We have already sent a letter to the contractor to provide equipment.
Water Pollution	River, stream, reservoir and other public water body where construction works are executed.	Visual observation		There is no record of activities with high potential for water pollution. Note that now we are in rain season		Every Month	The quality of water from all existent boreholes is monitored by the contractor. We have already sent letters to the contractor saying quantities of extraction from the boreholes and surface water should be measured since they are not currently measuring it because of rainy season.
	Along N-13	No. of complaint		There is no complaint. For the full results of measurements please see the Noise Monitoring 14		Any time	Not yet reported during this period. For sensitives areas where the values were high we have
Noise		Noise Level		Dec 2018 in separate doc.		Every Month	provided the countermeasures to reduce the impact, such as
	Boundary of land plot nearest to the construction site			Ave.: 61.25 dBA, Max: 70.6 dBA in Leq(5min), Ave.: 63.65 dBA, Max: 74.9 dBA in Leq (15min) at Main Camp. (14 Dec 2018, 12:30pm to 12:45pm, Main Camp) Ave.: 68.05 dBA, Max: 69.0 dBA in Leq(5min), Ave.: 70.5 dBA, Max: 73.8	70dB (06:00-21:00) 60dB (21:00-06:00) (Japan, Trunk Roads)		main camp Lilumile, Signs for restricted park, speed limit and speed hams were installed in. As a reference, In terms of occupational health and safely purposes, the countermeasures were taken at the Quarry: - No one is allowed to be on the plant without the proper use of
				dBA in Leq (15min) at Quarry near Jaw Crasher. (14 Dec 2018, 9:04am to 9:19am, Quarry)-			PPE(personal protective equipment); - Training was provided on the correct use of ear protectors;
	Sensitive Area (School, Hospital)			For the results of measurements please see the Noise Monitoring 14 Dec 2018 in separate doc.	55dB (Japan, Sensitive Area)		- The rotation of workers so that they are not exposed to the noise for too long.
				Ave.: 55.05 dBA, Max: 71.0 dBA in Leq(5min), Ave.: 52.9 dBA, Max: 58.4 dBA in Leq (15min), at Lilumile.			
General waste	Waste storage at construction site, Waste Disposal SIte	Waste Oil and other construction waste	Store Condition Recycling Status Way of recycle	The Contractor have provided spill containment base for used oil. All hazardous waste, including used oils, are storage in demarcated area and labelled to facilitate segregation. The Contractor has already sorted out all issues regarding housekeeping. The site is clean now, the waste containers are empty regularly and have covers to prevent wetting. (See attacment: photo Evidence of waste storage) Remnants of metals To produce signal board, funnel and others.			Tires, filters and used oils have been stored in drums containers in the storage area of the workshop. They are reusing the remnants of metals to produce signal board, funnel and others. (ongoing)
		General Waste	Recycling Status Way of recycle	Plastic bottles For domestic uses as containers for water/juice, cooking oil. Re-use (used by internal personal); Re-use in construction activities; Dumpsite.		Every day	After drinking the water, the cleaners (local people) take the empty bottles for reuse in their houses.
			Location of final disposal site	The process to define carefuly with all parties involved in the project, the adequate desposal waste is on going (almost finalized).			The general waste had as final destination the site landfill area and non biodegradable, were stored in proper area.
Ecosystem	Along N-13	Visual observation of animals (mammals, birds, reptiles, amphibians)		The presence of some butterflies, chameleons, grasshoppers, birds and millipede are observed. (See attacment: photo Evidence of Ecosystem)		Every half year (1 time in dry season and 1 time in rainy season)	Snakes and Foxes are being observed during night hours; but nothing unusual has been noticed.
Accident	Along N-13	Checking Traffic Accident Report		Two road traffic accidents occurred in December. One was involving the Client (ANE) and one the contractor (Sinohydro). Both were due to excessive speed combined with poor road conditions (mud/rain). No other vehiclles were inviolved and there were no injuries.		Every Month	Follow up investigation and training of those involved has taken place
		Visual obvervation of accident with animals		No record of accident with animals			None to date
Land Acquisition	Along N-13	A: No. of land acquired/ B: to be aquired A: No. of HHs received compensation/ B: HHs to be compensated		A: 15 and B: 0	Progress Ratio: A/A+B		15 parcels of land were acquired to date, for use as borrow pits. During the reporting period, only 4 of the 15 were under exploitation.
				A: 202 and B: 0	Progress Ratio: A/A+B	Every Month	202 PAPs were paid. In January 2018, ANE and TTC made the first visit with the following objective:: - Visit of the impact area of the project for the implementation of the RAP. - Verify and confirm the affected persons and property. - Explanations of compensation and signatures of compensation agreements. The compensation payments were made in two phases: The first from 31 May to 15 June 2018 where 185 PAPs were paid. The second between September 12 and 15, 2018 where 17 PAPs were paid.
		Complaint received		No record of complains during this period.	In general, all affected people		All affected people have received their compensation. (completed on 15/09/2018)

Photo Waste Storage and housekeeping







Now is labelled to facilitate segregation



Storage area for Scrap, Metal



Storage area for contaminated soil



Temporary storage for Metal, Glass at Quarry



Storage area for used tyres



The site now is clean



The site now is clean





Storege for recyclable waste

Photo Evidence of Ecosystem



(km 146+060) Diversion Road

(access to Main camp km 107+200)

