LIST OF SIGNIFICANT ENVIRONMENTAL ASPECTS	
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Amendment Record

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1	28.02.2020	Issue 1.0 rev. 00	Initial release	Felix Makundi	Eng. Heriel Muhulo	Eng. Heriel Muhulo
	29.04.2020	Issue 1.0 Rev 01	Tittle change from Sustainable procurement to procurement process	Felix Makundi	Eng.Heriel Muhulo	Eng. Heriel Muhulo

Criteria for Significant Evaluation of Environmental Aspects

- The environmental aspects are evaluated for their significance according to the six criteria listed in Table 1 one by one.
- A score of "1" or "0" will be assigned.
- The environmental aspect will be evaluated against the five criteria available.
- If an environmental aspect scores "1" for at least a criterion, it is considered as a significant environmental aspect (SEA)
- If an environmental aspect scores "0" for a criterion, it shall be evaluated by the remaining criteria one by one.
- If an environmental aspect scores "0" for all 5 criteria, it is regarded as insignificant.

Table 1: Score assignment for evaluation criteria

#	Evaluation criteria	Conditions	Score
1	Compliance Obligation	The aspect is legally regulated.	1
		The aspect is not legally regulated.	0
2	International issues	There are internal issues about the aspect	1
		No internal issues about the aspect	0
3	Local Issues/interested parties	There are interested parties or local issues about the aspect	1
		No interested parties or local issues about the aspect	0
4	Environmental consequence	Expected release of pollutants of severe environmental consequence	1
		The aspect does not have potential environmental impacts of severe consequence.	0
5	Corporate concerns	Hematec Investment Ltd has received valid, justifiable complaints for similar situations previously and the aspect is a corporate concern reflected in the corporate policy	1
		The aspect is not corporate concern	0

No	Activity	Environmental Aspect	Environmental Impact	Control	Influence	Situation			Evaluation of Significant Aspects					Aspect Rating	Control measures
						Normal	Abnormal	Emergenc	Complian	Internatio	Local	Environm	Corporate		
A	**AIR EMISSIONS**														
1	Use of vehicles and other construction machinery	Exhaust flue gas emission above the legal requirement	Deterioration of air quality due to emission of gases such as CO_2, unburned hydrocarbon, NOx, SOx.	x		x	x	x	1	1	1	1	1	Significant	● Regular vehicle maintenance as per manufacturer recommendations.
2	Storage of paint, thinners	Emissions of VOC (BTEX)	● Ambient air pollution ● Fire eruption	x			x	x	1	0	1	1	1	Significant	●Adherence to MSDS **Refer:** Material Storage Procedure Hazardous waste management procedure

3	Fire extinguishers services	Emission of Carbon dioxide to the atmosphere (Greenhouse gas)	Global warming		x	x			1	1	1	1	1	Significant	Use of legal registered supplier for fire extinguishers servicing **Refer:** Procurement Process
4	Use of Air conditioning	Emission of Ozone depleting gases (R22 - Chlorodifluoromethane or difluoromonochloromethane)	Ozone layer depletion	x		x			1	1	1	1	1	Significant	Purchase of CFC free air conditioner **Refer:** Procurement Process
B: AQUEOUS EMISSIONS															
5	Use of washrooms	Sewage	Surface and underground water pollution as sewage carry infectious diseases and propagate the growth of organisms	x		x	x		1	0	1	1	1	Significant	Regular maintenance checks and clearance of septic tanks **Refer:** Waste management procedure

6	Construction near water sources or downslope	Sedimentations to water sources	● Increase in water turbidity Affect light penetration to the to the water ● Increase water temp and affect aquatic lives	x		x			1	1	1	1	1	Significant	**Refer:** Erosion and sedimentation control procedure
C: USE OF RAW MATERIALS AND NATURAL RESOURCES															
7	Use of electricity	Use of energy	Reduction in natural resources.		x	x			0	0	0	0	1	Significant	**Refer:** Controlling and monitoring of electrical energy procedure
8	Use of water in construction, Kitchen and welfare facilities	Use of natural resources	Reduction in natural resource		x	x		x	0	0	0	0	1	Significant	**Refer:** Use of water procedure
9	Use of Fuel in vehicles and other construction equipment	Use of fossil fuel	Reduction in non-renewable natural resources	x		x		x	1	0	0	1	1	Significant	**Refer:** Use of fuel procedure

10	Construction materials	Use of construction materials such as timber, cement, fiber, fabricated tower members, paints etc	● Depletion of natural resources such as cutting of tree for timber production ● Mining of minerals for fabrication such as Fe, Cr, Ni		x	x			0	0	0	1	1	Significant	**Refer:** Procurement Process
11	Printing (eg. Printer, cartridges, toner, CDs) used in offices	Generation of spoiled waste (toner & Cartridge)	● Consumption of resources ● Surface and ground water pollution		x	x			1			1	1	Significant	**Refer:** Hazardous waste management procedure Waste management procedure
12	Use of Office IT equipment (computers and keyboards)	Generation of e-waste	Carcinogenicity Pulmonary and cardiovascular disease	x		x		x	1	1	1	1	1	Significant	**Refer:** Hazardous waste management procedure Waste management procedure

13	Use of aggregate	Mining/ excavating of aggregate	● Soil erosion ● Accumulation of water in open pits which acts as mosquito breeding areas		x	x			1	0	1	1	1	Significant	**Refer:** Procurement Process
D	**LAND EMISSIONS & WASTE GENERAL**														
14	Generation of controlled/office waste	Disposal of waste	Human/life threat from uncontrolled disposal to land Land pollution	x		x			0	0	0	1	1	Significant	**Refer:** Waste management procedure
15	Generation of electrical/ electronic waste	Disposal of e-wastes	● Carcinogenicity ● Pulmonary and cardiovascular disease	x		x			1	1	1	1	1	Significant	**Refer:** Hazardous waste management procedure
16	Generation of waste plastics	Use of natural resource and/or release of pollutants	Non-biodegradable. Toxic fumes from incineration.	x		x			0	0	1	1	1	Significant	**Refer:** Waste management procedure
17	Generation of cement bags wastes	Disposal of cement bags	Clogging of sewerage system Release of dioxin/furan gas if burnt to the air	x		x			1	0	0	1	1	Significant	**Refer:** Waste management procedure

18	Generation of optic fiber glass waste	Disposal of sharp and non-degradable fiber glass	Physical injury upon exposure Non degradable sharp pieces of glass	x		x			1	0	0	1	1	Significant	**Refer:** Waste management procedure
19	Generation of expired medicine from First Aid Kits	Disposal of expired medicine	Contamination of surface and underground water surface	x		x			1	0	0	1	1	Significant	**Refer:** Hazardous waste management procedure
20	Storage of flammable materials in the warehouse such as oil, paint, thinners	Oil spill	Fire eruption & soil, surface and groundwater contamination	x		x		x	1	0	1	1	1	Significant	Adherence to Material Safety Data Sheet (MSDS) **Refer:** Hazardous waste management procedure Material Storage Procedure
21	Maintenance of vehicle	Disposal of used oil, lead acid battery	Surface and ground water contamination	x		x		x	1	0	1	1	1	Significan	**Refer:** Hazardous waste management procedure

22	Site layout/set up	Site clearance	● Soil erosion due to exposed bare land ●Destruction of existing flora and fauna (ecosystem)	x		x			0	0	1	1	1	Significant	**Refer:** Flora and fauna protection procedure Erosion and sedimentation control procedure
23	Construction of infrastructures	Excavations	Soil erosion Destruction of habitat	x		x			0	0	1	1	1	Significant	**Refer:** flora and fauna protection procedure **Refer:** Erosion and sedimentation control
E	**COMMUNITY/PUBLIC AND NEIGHBOR**														
24	Noise from machinery use	Noise pollution	Nuisance Hearing impairment	x		x			1	0	1	1	1	Signific	**Refer:** Noise control procedure

25	Use of vehicles and other machinery	Generation of combustion gases, production of noise, dust, odour, pollution and vibration, increased traffic	Greenhouse effect, use of natural resources eg fossil fuels, air pollution with oxides of nitrogen, sulphur and carbon	x		x	x		1	1	1	1	1	Significant	**Refer:** Machinery Management and Calibration Procedure