Renewing the Kenyan of	cashew value chain	Results Framework							
LEVEL	EXPECTED RESULT	INDICATORS	BASELINE YO	TARGET Y1	TARGET Y2	IINTERMEDIATE TARGET Y 4	TARGET AT MATURITY YEAR 10	Data source of verification	Comments
IMPACT	Restoration of the cashew value chain in Kenya, increas	ing rural income and involving youth an	d women in the cash	new sector					
OUTCOME 1	Improved access to jobs and income generating	% Improved discretionary income of participating farmers over the original baseline				15 %	84% - 112%	TSA company records, MIS, monitoring, baseline and impact assessments	At maturity, the seedlings and pruned trees will be producting min 10 kg per tree, resulting in an additional income from cashew of between \$750 - \$1000 per ha. Compared with a baseline of \$888 per ha on Kenyan smallhold farms in 2021.
	activities	Number of targeted farmers who experience increased income from cashew cultivation	0	7 500	7 500	30 000		TSA company records, MIS, monitoring, baseline and impact assessments	15,000 new + 15,000 existing cashew farmers (included in the pilot project supported by the EU Trust Fund (Enhancement of livelihoods in the Kenyan Coastal Region by supporting Organic and Fair Trade certification of smallholders)) reached during the 4-year project period
OUTCOME 1.2	Increase of the value share that is retained for cashew farmers	% Improved price for raw cashew for farmers due to FT/Bio certification/extension services and direct buying centers	n/a			20 %		TSA company records, MIS, monitoring, baseline and impact assessments	Current price KSH 48 per kg of raw cashew nuts for farmers, the goal is to increase the actual price per kg of raw cashew nuts for farmers by 20% above the price paid by middlemen brokers. Increase in price for farmers achieved by increasing the value of the crop by its fair trade and organic certification (up to 10%), introducing direct buying centers, increasing the quality of nuts by providing extention services to farmers
OUTCOME 1.3	Removal of impediments to the volume of cashew production due to persistently low purchase prices and dependence on middlemen brokers	Number of established accessible buying centers	0	15	15	30		TSA company records, MIS	1 buying center/1000 farmers. Strong global growth of demand for cashew on world markets ensuring continued demand for farmers production
OUTCOME 1.4	Ensuring biodiversity while increasing cashew production and capturing carbon sequestration benefit for the local community	Amount of financial benefit from carbon sequestration returned to local community (USD)	n/a			\$174,000	\$1.22 million cumulative value	TSA company records, MIS	22.78 kg of CO2e per tree per year, the current value on the Fair Trade Carbon Market is 13.00 EUR/tonne. The trees in the project have the potential to source cca \$698,000 annual value, but we project the realisation of 25%, or \$174,000 of this value.
	Removal of impediments to improvements in Kenyan	Number of county governments providing agricultural extension services	0	2	1	3		TSA company records, MIS, monitoring, baseline and impact assessments	Treatisation of 25% of 5174,000 of this value. County governments in Lamu, Killifi and Kwale providing in agriculture extension officers, distribution of seedlings to farmers in the program. Anticipated growth in participating county governments
OUTCOME 1.5 cashew of	cashew quality through improved extension services to the farmers	Local research capacity and know-	n/a	2	0	2		TSA company records, monitoring, baseline and impact assessments	Kenya Forestry Research Institute, local advice and control of the reforestation process, to ensure adequate biodiversity and capture of carbon sequestraiton benefit for the local community. Pwani University in Kilifi, Dept. of Agriculture - providing monitoring, audit, baseline and impact assessment and capturing best practice.
OUTPUT 1.1	Farmers supported with high value cashew seedlings	Number of farmers supported with cashew seedlings	0	3 750	3 750	15 000	30 000	TSA company records, MIS	300,000 seedlings produced annually distributed to farmers. 30,000 farmers total (15,000 project plus 15,000 existing)
OUTPUT 1.2	Jobs created in agro-processing and nursery, and tree pruning.	Number of jobs created in pruning, agro-processing and nursery	0	160	120	280		TSA company records, MIS	Jobs created within the project in the first project year: 100 jobs for youth in pruning and nursery, 90 jobs for women in processing facility, 60 jobs in buying centers, 30 jobs in nurseries (10 people in 3 nurseries).
OUTPUT 1.3	Established accessible buying centers	Number of established accessible buying centers	0	15	10	25		TSA company records, MIS	1 buying center/1000 farmers. Strong global growth of demand for cashew on world markets ensuring continued demand for farmers production
OUTPUT 1.4	Establishment of social funds from fair trade certification for farmers groups	Annual amount of the social premium paid to participating farmers from Fair Trade certification	n/a	-	50 400	226 800	\$ 1,054,000 cumulative over 10 years	TSA company records, MIS	Social premium 15 cents/kilo of FT certified cashew production, during year 2 of the project, social premium paid to farmer groups in the amount of 50,400 USD for 336 MT exported Fair Trade certified cashew production, year 3: 75,600 USD for 504 MT of exported FT certified cashew production, year 4: 100,800 USD for 672 MT, after year 4, 151,200 USD for 1,008 MT of exported FT certified cashew production, overall project target of social premium paid to farmer groups 226,800 USD during 4 project years (export yolumes see Output 2 2)
OUTCOME 2									Current Kenyan production quantity 11,600 MT/year of raw cashew
OUTCOME 2.1	Increased Kenyan cashew exports of processed cashew nuts to global markets	% increase in volumes of raw cashew production				40 %		TSA company records, MIS, monitoring, baseline and impact assessments	(source FAO), up to 40% increase in volumes by year 4 (800,000 renewed trees x additional 4 kg/tree = 3,200 MT of raw cashew nuts/year + first 300,000 new seedlings (planted during project year 1) producing by year 4 after planting x 4 kg/tree = 1,200 MT/year = increase in raw cashew production by total 4,400 MT produced in year 4). By year 10 after planting increase in volume by 110 %: 1,200,000 new seedlings x 8kg/tree
		% increase in Kenyan cashew nuts exports				30 %		TSA company records, MIS, monitoring, baseline and impact assessments	= 9,600 MT/year + 800,000 renewed trees x additional 4 kg/tree = 3,200 MT/year, total 12,800 MT/year additional annual volume of raw cashew (11,600 MT (baseline) + 12,800 MT to 24,400 MT/overall volume of raw cashew nuts grown in the area/year). Increased overall volume of cashews grown in the area, as well as increased processing capacity, streamlining of supplier-processing relations, placement of farm production on markets will increase the volume of total exported processed cashew nuts by
	Renewed and increased producing, processing and	Number of new seedlings planted (year)	n/a	300 000	300 000	1 200 000	3,000,000 total over 10 years	TSA company records, MIS	300,000 x 4 years = 1,200,000 seedlings

00100mL 2.2	exporting capacity of cashew industry in coastal Kenya	Number of renewed trees (pruning-		000 000	000.000	000 000	2 million over 10	TSA company records,	200,000 renewed trees/year (100 youth, pruning 10 trees/day x 200
		topworking)	n/a	200 000	200 000	800 000	years	MIS	days/year x 4 years)
OUTCOME 2.3	Removal of impediments to the cashew value chain by increasing the processing capacity as a response to long-term growing demand for cashew nuts on world markets	Construction of a factory with a capacity to process 72 FLC of processed fair trade and organic certified cashew nuts/ year	n/a			1		TSA company records, MIS	Processing capacity up to 8,400 MT of raw cashew/year, = 1,008 MT of processed nuts
		Volumes of raw cashew nuts purchased from farmers by established factory (MT/year)	n/a	-	2 800	12 600	30,600 MT over 10 years	TSA company records, MIS	see Output 2.2. by year 4, total of 12,600 MT of raw cashew processed in new factory
ОИТРИТ 2.1	Increased volumes of raw cashew	Increased volume of raw cashew available from planting new seedlings (MT/year)	n/a			1 200	9000 per year by year 10	TSA company records, MIS	First 300,000 grafts planted in year 1 will start producing 4 kg raw cashew/tree by end of year 4 of the project = 1,200 MT of raw cashew. By year 10 after planting - 1,2 million grafts x 8 kg raw cashew/tree = 9,600 MT of raw cashew/year.
		Increased volume of raw cashew available from pruning existing trees (MT)	n/a		800	4 800	3200 MT per year in year 10	TSA company records, MIS	200,000 renewed trees annually x increase by 4 kg of raw cashew/tree = 800 MT of raw cashew in second year. In third year of the project, 1,600 MT of raw cashew nuts from 400,000 renewed trees. In fourth project year, 2,400 MT of raw cashew from 600,000 renewed trees. During 4-year project period, total of 4,800 MT of additional raw cashew available thanks to pruning). 800,000 renewed trees by end of year 4 = increase by 3,200,000 kg of raw cashew/year
OUTPUT 2.2	Established factory for processing high volumes of cashew production	Volumes of raw cashew nuts processed (MT/year)	n/a	-	2 800	12 600	8400 MT per year	TSA company records, MIS	year 2 - 2,800 MT year 3 - 4,200 MT year 4 - 5,600 MT Final target - Sum Y2+Y3+Y4 = 12,600 MT of raw cashew processed in factory. After year 4 - 8,400 MT/year of raw cashew processing capacity of the
		Volumes of exported cashew nuts (MT/year)	n/a		336	1 512	min 1008 MT/year by year 10	TSA company records, MIS	factory Year 1 Year 2 - 336 (24 FCL) of processed fair trade and organic certified cashew nuts (12% yield from raw cashew) year 3 - 504 (36 FCL) year 4 - 672 (48 FCL) final target - Sum V2-Y4 = 1,512 after year 4 - 1,008 MT/Year factory exporting capacity of processed fair trade and organic certified cashew nuts
OUTCOME 3									
OUTCOME 3.1	Increase in the number of farmers involved in the cashew industry with particular focus on attracting women and youth	% share of women in overall number of reached cashew farmers				30 %		TSA company records, MIS, monitoring, baseline and impact assessments	Total 30,000 reached farmers, 30% of them women
		% share of youth in overall number of cashew farmers				10 %		TSA company records, MIS, monitoring, baseline and impact assessments	30,000 reached farmers, 10% of them youth
OUTCOME 3.2	Increased knowledge about cashew as a prospective cash crop	Number of participants in introduction/awareness meetings	0	2 500	2 500	10 000		TSA company records, MIS, monitoring, baseline and impact assessments	2,500 participants/year x 4 years = 10,000
		% of women				30		TSA company records, MIS	30% of 10,000 participants are women
		Number of participants who successfully complete cashew training	0	1 250	1 250	5 000	12,500 total over 10 years	TSA company records, MIS	1,250 trained participants/year x 4 years = 5,000
OUTCOME 3.3	Removal of impediments to the development of farming as a preferred career choice for young people, reduction of urban migration	Number of youth informed about potential of engagement of cashew as a career choice	0	15 000	15 000	60 000		TSA company records, MIS, monitoring, baseline and impact assessments	480 students/school informed about cashew sector possibilities, 480*125 schools = 60,000 students reached
		Number of schools supported with cashew seedlings	0	65	125	125		TSA company records, MIS	Each participating school supported with 50 cashew seedlings, establishing own sustainable income generating orchard
OUTPUT 3.1	Schools and students involved in cashew value chain and training	Number of rural students engaged in agriculture school clubs/year	0	3 250	6 250	6 250		TSA company records, MIS	50 students actively participating in 125 school agro-clubs/annually. In year 1 of the project, 65 schools engaged, by end of year 2, 125 schools engaged with agro-clubs/farming education for 50 students per school