

NEEDS GENERATED FROM WIPO GREEN MATCHMAKING PROJECT ON WATER AND AGRICULTURE IN EAST AFRICA						
No.	Country	Company	Title/Technology Need	Category	Sub Category	Link
1	Kenya	NAIROBI WATER AND SEWERAGE COMPANY	Adoption of New water treatment Technologies through use of Polyaluminium Chloride in water treatment.	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Adoption%20of%20New%20water%20treatment%20Technologies%20through%20use%20of&type=all&id=NGREEN3100
2	Kenya	KWALE WATER AND SEWERAGE COMPANY LIMITED	Employing green energy in operating pumps to cut on power consumption	Energy	Solar	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Employing%20green%20energy%20in%20operating&type=all&id=NGREEN3120
3	Kenya	KWALE WATER AND SEWERAGE COMPANY LIMITED	Procure and install smart meters to all customers	Water	Water efficiency	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=smart%20meters&type=all&id=NGREEN3140
4	Kenya	Happy Cow	Borehole water containing high levels of turbidity,bicarbonate, flouride, pH and iron	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN3280
5	Ethiopia	African Agricultural Technology Foundation	Affordable Drip Irrigation Technologies	Water	Water efficiency	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Affordable%20Drip%20Irrigation%20Technologies&type=all&id=NGREEN3623
6	Ethiopia	African Agricultural Technology Foundation	Access to water-Borehole drilling technologies.	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Access%20to%20water-Borehole%20drilling%20technologies.&type=all&id=NGREEN3700

7	Ethiopia	African Agricultural Technology Foundation	Water Turbidity	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Water%20Turbidity&type=all&id=NGREEN3880
8	Ethiopia	African Agricultural Technology Foundation	Water harvesting and storage technologies	Water	Water Storage	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Water%20harvesting%20and%20storage%20technologies&type=all&id=NGREEN3720
9	Ethiopia	African Agricultural Technology Foundation	Soil degradation in the uplands	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Soil%20degradation%20in%20the%20uplands&type=all&id=NGREEN3605
10	Tanzania	African Agricultural Technology Foundation	Lack of rain water harvesting and storage technologies	Water	Water Storage	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Lack%20of%20rain%20water%20harvesting%20and%20storage%20technologies&type=all&id=NGREEN3600
11	Tanzania	African Agricultural Technology Foundation	Long term water saving techniques	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Long%20term%20water%20saving%20techniques&type=all&id=NGREEN3601
12	Tanzania	African Agricultural Technology Foundation	Irrigation technologies appropriate for small farms	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Irrigation%20technologies%20appropriate%20for%20small%20farms&type=all&id=NGREEN3620
13	Tanzania	African Agricultural Technology Foundation	Water Salinity-Desalination of Water	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Water%20Salinity-Desalination%20of%20Water&type=all&id=NGREEN3640

14	Tanzania	African Agricultural Technology Foundation	Accessing ground water-Borehole Drilling technologies and related infrastructure	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Accessing%20ground%20water-Borehole%20Drilling%20technologies%20and%20related%20infrastructure&type=all&id=NGREEN3660
15	Tanzania	African Agricultural Technology Foundation	Assessing the available ground water/ renewing the available ground water	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Assessing%20the%20available%20ground%20water&type=all&id=NGREEN3621
16	Tanzania	African Agricultural Technology Foundation	Need for drought resistant crops and livestock breeds	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Need%20for%20drought%20resistant%20crops%20and%20livestock%20breeds&type=all&id=NGREEN3622
17	Tanzania	African Agricultural Technology Foundation	Environmental friendly greenhouse farming	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Environmental%20friendly%20greenhouse%20farming&type=all&id=NGREEN3680
18	Tanzania	African Agricultural Technology Foundation	Waste water recycling and management	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Waste%20water%20recycling%20and%20management&type=all&id=NGREEN3602
19	Tanzania	African Agricultural Technology Foundation	Improving Water Quality	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=improving%20Water%20Quality&type=all&id=NGREEN3603

20	Tanzania	African Agricultural Technology Foundation	Lack of efficient, affordable and environmental friendly water distribution channels	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Lack%20of%20efficient,%20affordable%20and%20environmental%20friendly%20water%20distribution%20channels&type=all&id=NGREEN3900
21	Tanzania	African Agricultural Technology Foundation	Conservation agriculture to conserve water and soil in agriculture.	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Conservation%20agriculture%20to%20conserve%20water%20and%20soil%20in%20agriculture.&type=all&id=NGREEN3920
22	Tanzania	African Agricultural Technology Foundation	Lack of environmental friendly farm inputs such as pesticides and fertilizers'	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Lack%20of%20environmental%20friendly%20farm%20inputs%20such%20as%20pesticides%20and%20fertilizers%20&type=all&id=NGREEN3921
23	Tanzania	African Agricultural Technology Foundation	Eliminating the invasive water hyacinth	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Eliminating%20the%20invasive%20water%20hyacinth&type=all&id=NGREEN3940
24	Tanzania	African Agricultural Technology Foundation	Soil degradation/ soil erosion and soil fertility depletion	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=Soil%20degradation/%20soil%20erosion%20and%20soil%20fertility%20depletion&type=all&id=NGREEN3941
25	Kenya	KWALE WATER AND SEWERAGE COMPANY LIMITED	Improve on storage reservoirs so that there is adequate storage which will in turn minimize the pumping hours.	Energy	Solar	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=kwale&type=all&id=NGREEN3120

26	Kenya	KWALE WATER AND SEWERAGE COMPANY LIMITED	Conduct an energy audit so that the green energy and other energy sources are used efficiently.	Energy	Solar	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=kwale&type=all&id=NGREEN3120
27	Kenya	KWALE WATER AND SEWERAGE COMPANY LIMITED	Network reticulation improvement which will help in making efficient use of the pumped water.	Energy	Solar	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=kwale&type=all&id=NGREEN3120
28	Kenya	KWALE WATER AND SEWERAGE COMPANY LIMITED	Employing GPS attached to leaky detection equipment for quick detection of leaks and remedy thereafter	Water	Water Storage	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=kwale&type=all&id=NGREEN3140
29	Kenya	NAIROBI WATER AND SEWERAGE COMPANY	Segregating the Sludge from disinfection and pH-correction processes so that it is not discharged into the stream.	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=sludge&type=all&id=NGREEN3100
30	Kenya	NAIROBI WATER AND SEWERAGE COMPANY	Covering the open channel chutes will reinforced slabs or walls	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=sludge&type=all&id=NGREEN3100
31	Kenya	OLKERI Water Project, Ngong	Water treatment to make it safe for drinking.	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=olkeri&type=all&id=NGREEN3540
32	Kenya	FuturePump Limited	Installation of a smart metering device connected to a solar panel for water pumping reasons	Other Areas	Other Areas	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=futurepump&type=all&id=NGREEN3560
33	Kenya	Kitui County Farmers	a low cost water pump that runs on bio-diesel	Energy	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=kitui&type=all&id=NGREEN3502
34	Kenya	NAIROBI WATER AND SEWERAGE COMPANY	Generation of Hydro Electric Power using in-pipe turbines	Energy	Hydro	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=in-pipe%20turbines&type=all&id=NGREEN3541

35	Kenya	OLKERI Water Project, Ngong	Technology to address water hardness; tests: water pumps	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=olkeri&type=all&id=NGREEN3540
36	Kenya	KWALE WATER AND SEWERAGE COMPANY LIMITED	Environment friendly desalination technology – like a solar powered membrane desalination processes, or solar distillation	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=kwale&type=all&id=NGREEN3120
37	Kenya	THIWASCO	install a solar mini grid in the WTP to power the 8 pumps so as to reduce operational costs	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=thiwasco&type=all&id=NGREEN3500
38	Kenya	EDEN MILLERS LIMITED	establish a dedicated Floating Fish Feed pellet Mill to take advantage of high local demand and reduce product cost of Fish feeds	Farming and Forestry	Livestock & Fisheries	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=eden&type=all&id=NGREEN3840
39	Kenya	THIWASCO	install a pre – sedimentation / de silting tank in the WTP within the existing pump house reservoirs before coagulation and flocculation to remove excess silt/grit from the river water	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=thiwasco&type=all&id=NGREEN3480
40	Kenya	AfricAqua	Water quality treatment equipment (solar driven), • Mobile real-time water quality monitoring systems, equipment and digital water meters. • Distribution network mapping and monitoring use of GPS and Google systems to map consumption patterns and support predictions. Efficient solar transportation systems- solar powered bikes and tuktuks	Water	Water treatment & Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=africaqua&type=all&id=NGREEN3780

41	Kenya	KCIC	Production process of iodized salt (concentration of salt crystals)	Farming & Forestry	Food Processing	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2540
42	Kenya	ELERE	Fish feed manufacturing unit for pelletizing fish feed	Farming & Forestry	Livestock & Fisheries	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2460
43	Kenya	KCIC	Manufacture of green fertiliser from human waste using herbal based biodegradable disinfectant	Farming & Forestry	Alternative to chemical pesticides/insecticides/fertilizers	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN3320
44	Kenya	KCIC	Curing and drying of turmeric using fuelwood (absence of alternative energy source)	Energy	Solar	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2500
45	Kenya	Apinec Agro-Industry PLC	Shortage of bee colony limiting production of honey and other bee products	Farming & Forestry	other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2480
46	Kenya	KCIC	Mechanical weed controller for coffee (as opposed to chemical fertilizer); access to electricity	Farming & Forestry, Energy	Alternative to chemical pesticides/insecticides/fertilizers, Waste to Energy, Solar	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2440
47	Ethiopia	Javi International Consulting PLC	Sachet filling machine and cold storage facilities	Chemicals & Advanced Materials	Packaging materials & fabric	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=javi&type=all&id=NGREEN2700
48	Ethiopia	Merin Agribusiness Enterprise	Animal feed production from crop residues, and fruits and vegetables byproducts	Farming & Forestry	Livestock & fisheries	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=javi&type=all&id=NGREEN2720
49	Ethiopia	Javi International Consulting PLC	Improved battery to overcome power cut	Energy	Energy Efficiency	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=javi&type=all&id=NGREEN2661
50	Ethiopia	Javi International Consulting PLC	Mechanization of the mushroom farm	Farming & Forestry	Farming Techniques	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=javi&type=all&id=NGREEN2701

51	Ethiopia	Javi International Consulting PLC	Compost preparation from flower cuts; Production of inoculants at smallholders level	Farming & Forestry	Soil Improvement	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=javi&type=all&id=NGREEN2760
52	Ethiopia	ELELE	Pelletize Fish Feed Production	Farming & Forestry	Livestock & fisheries	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=javi&type=all&id=NGREEN2680
53	Ethiopia	Javi International Consulting PLC	Low cost queen bee rearing; queen bee rearing ranch development	Energy, Farming & Forestry	Solar/Livestock and fisheries	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=javi&type=all&id=NGREEN2780
54	Ethiopia	Javi International Consulting PLC	Eco friendly mechanical weeding system	Farming & Forestry	Alternative to chemical pesticides/insecticides/fertilizers	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=javi&type=all&id=NGREEN2660
55	Ethiopia	MG Greeninnovations	Solar bottle bulb unit production; Biodegradable seed strips	Energy	Energy Storage & Biomass/Bioenergy	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=javi&type=all&id=NGREEN2740
56	Ethiopia	Javi International Consulting PLC	Turmeric Solar drier and Steam curing machine; briquette making	Energy	Solar	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=javi&type=all&id=NGREEN2741
57	Ethiopia	Ethiopian Institute of Agricultural Research (EIAR)	Aquaculture Technologies-Fish farming in Ethiopia	water	other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=african&type=all&id=NGREEN3624
58	Tanzania	AATF	Sea Weed Farming	water	Water efficiency	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=african&type=all&id=NGREEN3902
59	Kenya	KCIC	Nyangorora's technical challenge is not having enough machinery.	Farming & Forestry	Food processing	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2560
60	Kenya	KCIC	Aviva Nest Co. needs to process Nerica paddy rice, nerica by-product and waste.	Farming & Forestry	Drought/Water resistant cultivation	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2561

61	Kenya	KCIC	Hydroponics System for barley fodder	Farming & Forestry	Food production	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2300
62	Kenya	KCIC	Limited access (less operating hours, small geographical coverage) to cleanwater in slums	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2640
63	Kenya	KCIC	Lack of a motion weighing scale that measures fields' weight of animals and hides database	Farming & Forestry	Livestock & fisheries	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2201
64	Kenya	KCIC	Our operations are mostly manual operations, and because of that efficiency and quality is not	Farming & Forestry	Farming techniques	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2280
65	Kenya	KCIC	Removing turbidity and other contaminants (arsenic, fluoride etc) from drinking water.	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2562
66	Kenya	KCIC	Manure pellets to correct replenished soils	Farming & Forestry	Alternative to chemical pesticides/insecticides/fertilizers	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2240
67	Kenya	KCIC	Strawberries are highly perishable and only remain fresh for 4-5 days after harvesting.	Farming & Forestry	Food processing	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2260
68	Kenya	KCIC	Discharging chemical waste into the community farms and streams around the water treatment plant	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=all&id=NGREEN3100
69	Kenya	KCIC	Unsustainable use of water at the hospital's laundry department	water	water efficiency	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=all&id=NGREEN3260
70	Kenya	KCIC	Alternative clean water from the one provided for by the county government.	Other Areas	Other Areas	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=all&id=NGREEN3300
71	Kenya	KCIC	Unsustainable water use that leads to high operating costs incurred by the hospital unit especially	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=all&id=NGREEN3240
72	Kenya	KCIC	Unsustainable water use that leads to high operating costs for the hospital's washrooms.	Water	Other	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=all&id=NGREEN3261

73	Kenya	KCIC	Pumping the ground water	water	water production	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=all&id=NGREEN3321
74	Kenya	KCIC	Data collection, data processing and land surveying.	water	water production	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=all&id=NGREEN3340
75	Kenya	KCIC	Northern Kenya has arsenic in drinking water sourced from dug wells in Wajir, Garissa, and Mander	Water	Water treatment	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN3220
76	Kenya	KCIC	Manual processing and value addition of roselle juice	Farming & Forestry	Storage	https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?query=&type=need&id=NGREEN2200