

**SCR 986 - Phase VI - AGRO-INDUSTRY**  
**Koysenjak Fruit Processing Plant - Erbil Governorate**

ITEM CODE	DESCRIPTION	Quantity	Unit of measurement
01-17-00001	<b>Vacuum pan:</b> made in stainless steel AISI 316 to process jam and ketchup.	1	Item
01-17-00002	<b>Thermo-conditioned tank:</b> made in stainless steel AISI 316 to process acid food like ketchup.	1	Item
01-17-00003	<b>Steel basket:</b> for pasteurization and cooling tank	1	Set
01-17-00004	<b>Hopper:</b> sugar container with fittings to facilitate the emptying of sugar bags and bottom hatch for complete emptying. Spare parts.	1	Item
01-17-00005	<b>Screw conveyor:</b> s stainless steel screw conveyor/lifter suitable for sugar. Capacity 3 to 5 tons/h. Spare parts.	1	Item
01-17-00006	<b>Pneumatic pump:</b> for suction from drums. Suitable for transport paste and fruit concentrate. Spare parts.	1	Item
01-17-00007	<b>Dosing unit:</b> for automatic dosage of ingredients like fruit and sugar. Consisting of two tanks, scale, appropriate sensors for ingredients presetting. Spare parts.	1	Item
01-17-00008	<b>Thermo-insulated tank:</b> for the preparation of salt/vinegar solution, made of stainless steel AISI 316. Quick heating/cooling system; two halves cover; eccentric stirrer; fitting and accessories. Spare parts.	1	Item
01-17-00009	<b>Homogenizer:</b> for ketchup. Capacity 120 L/h. Suitable to work at high pressure (up to 250 Bar) and up to a temperature of 90°C. Spare parts.	1	Item
01-17-00010	<b>Filling/capping unit:</b> volumetric doser (up to 0.5 L) and capper for glass jars (jam) and bottles (ketchup). Capacity up to 500 pieces/h. Spare parts.	1	Item
01-17-00011	<b>Labelling machine:</b> semi-automatic unit for labelling jars and bottles. Equipped with additional glue distributors for neck labels (bottles). Jars and bottles have to be positioned and removed manually. Spare parts.	1	Item
01-17-00012	<b>Transpallet :</b> 2 tons capacity	1	Item
01-17-00013	<b>Electric power generation:</b> complete diesel air cooled generator unit with automatic change over system. Complete with pumps, piping, valves, joints, braker, reservoir, fittings. Capacity 100 KVA. Spare parts	1	Item
01-17-00014	<b>Laboratory equipment, glass, chemicals:</b> to conduct routine analysis for raw material and jam.	1	Set
01-17-00015	<b>Glass jars:</b> about 350 g net content with twist off lids ( 70 mm).	150,000	Item
01-17-00016	<b>Labels:</b> for the jars, three colors. Several design.	150,000	Item
01-17-00017	<b>Glass bottles:</b> about 200 g net content with twist off lids ( ketchup type)	150,000	Item
01-17-00018	<b>Labels:</b> for 200 g bottles. For the body and for the neck. Three colors and two design.	150,000	Item
01-17-00019	<b>Citric acid:</b> food grade for the jam.	300	Kg
01-17-00020	<b>Pectin:</b> food grade for the jam.	1,500	Kg
01-17-00021	<b>Water softening system:</b> for existing generator 2 tons/h - 8 bar. Complete with accessories and fittings. Spare parts.	1	Set
01-17-00022	<b>Cooling tower equipment:</b> to recicle 8,000 l/h of water and to reduce the temperature from 43 to 30°C. Complete with pumps, valves, piping, pipe-rack accessories and fittings. Spare parts.	1	Set
01-17-00023	<b>Air compressor:</b> single/double stage reciprocating unit, oil free-moisture free. No.2 Nos. 75% capacity. Equipped with high pressure air tank with adequate pressure and volume capacity, moisture and oil traps. Spare parts.	1	Set

01-17-00024	<b>Potable water preparation group:</b> for water processing utilization. Treatment cycle should include at least a first rough filtration, a second one with activated carbon and a final clarification. Capacity 100 l/h. Spare parts.	1	Set
01-17-00025	<b>Utility distribution material:</b> Water (from a storage concrete tank) and cooling tower water, steam, compressed air, fuel. Complete wit pumps, pipe and insulated pipe, cables, steam traps, valves (safety, operating, check, control and pressure reducing), and all required accessories and fittings. Spare parts.	1	Set
01-17-00026	<b>Water-steam mixing group:</b> equipped with nozzle and complete with all accessories. Water working temperature 20 to 70°C.	2	Set
01-17-00027	<b>Electrical power distribution:</b> including main distribution board, with incoming and outgoing Switch Fuse Unit, to individual plant sub-boards and to lighting, etc. as well as other non-plant power consumption points. Capacitors for power factor improvement.	1	Set
01-17-00028	<b>Electric control board:</b> made in stailless steel. Including main automatic switch, on/off switches, warning lights, auitomatic overload cutout to protect the motors.	1	Item
01-17-00029	<b>Electrical, mechanical and plumber tool box:</b> with all required tools and material for maintenance purpose.	3	Item
01-17-00030	<b>Cartons:</b> of adequate size to pack 48 jars (in two layers)	20,000	Item
01-17-00031	<b>Cartons:</b> of adequate size to pack 24 bottles	40,000	Item