

AGENCY: FAO	DP-VIII AGRICULTURE		
CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	ANNEX AGRI / 14 - IRRIGATION		
	ANNEX AGRI / 14 A - Sustainable Ground Water Use for Irrigation Purposes and Animal Watering		
05-14-00001	Deep well vertical turbine pumping set complete	300	Pcs
05-14-00002A	Truck with Loading Crane 12 TM, Model Renault Kerax 260.19 4x4 plus accessories and spare parts	7	Pcs
05-14-00002B	Truck with Loading Crane 25 TM, Iveco Eurotrakker Model 260 E 37 with spare parts	3	Pcs
05-14-00003	Tube well casing pipes 8 5/8"(25% slotted), 6 m	7,600	Pcs
05-14-00004	Tube well casing pipes 6 5/8"(35% slotted), 6m	1,500	Pcs
05-14-00005	Tube well casing pipes 10", 6m	1,200	Pcs
05-14-00006	Tube well casing pipes 12", 6m	1,200	Pcs
05-14-00007	Tube well casing pipes 8 5/8" (25% slotted), 6m	1,000	Pcs
05-14-00008	Tube well casing pipes 6 5/8" (25% slotted), 6m	1,000	Pcs
05-14-00009	Spare Parts for existing Dando drilling rig	6 lots	Lot
05-14-00010	Laboratory equipment for ground water monitoring	3 lots	Lot
05-14-00010-1	Hand Auger	3	sets
05-14-00010-2	Single gouge auger for soft soils	3	sets
05-14-00010-3	Single gouge auger for hard soils	3	sets
05-14-00010-4	Soil sampling set	3	sets
05-14-00010-5	Hand Penetrometer	3	sets
05-14-00010-6	Constant head permiometer	3	sets
05-14-00010-7	Portable Reflectometer	3	sets
05-14-00010-8	Portable soil moisture meter	3	sets
05-14-00010-9	Permeameter	3	sets
05-14-00010-10	Ground water level device 50 m	3	sets
05-14-00010-11	Ground water level device 100 m	6	sets
05-14-00010-12	Ground watre level device 150 m	3	sets
05-14-00010-13	Staff gauge	30	sets
05-14-00010-14	Mini current meter	3	sets
05-14-00010-15	Flume	6	sets
05-14-00010-16	Photometer	3	sets
05-14-00010-17	Water sampling set	3	sets
05-14-00010-18	pH Redox meter	6	sets
05-14-00010-19	EC meter	6	sets
05-14-00010-20	Digital flow meter + 6 pcs mounting T part 3 inch for digital flow meter	12	sets
05-14-00010-21	Digital flow meter + 6 pcs mounting T part 4 inch for digital flow meter	12	sets
05-14-00010-22	Portable Logger	3	sets
05-14-00010-23	Beakers	450	sets

AGENCY: FAO	DP-VIII AGRICULTURE		
CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	ANNEX AGRI / 14 - IRRIGATION		
05-14-00010-24	Conical Flasks	450	sets
05-14-00010-25	Burette	60	sets
05-14-00010-26	Cylinders, glass	150	sets
05-14-00010-27	Volumeric flasks	150	sets
05-14-00010-28	Glass mortar	15	Pcs
05-14-00010-29	Vacuum pump	6	Pcs
05-14-00010-30	Magnetic stirrer	15	Pcs
05-14-00010-31	Fan assisted oven	6	Pcs
05-14-00010-32	Water distiller	9	Pcs
05-14-00010-33	pH meter	6	Pcs
05-14-00010-34	EC Meter	6	Pcs
05-14-00010-35	Absorption spectrometer	3	Sets
05-14-00010-36	X-Ray fluorescence spectrometer	3	Pcs
05-14-00010-37	X-Ray refractometer	3	Pcs
05-14-00010-38	Flame photometer	3	Pcs
05-14-00010-39	UV Spectrometer	3	Pcs
05-14-00010-40	IR spectrometer	3	Sets
05-14-00010-41	Total Nitrogen analyser	3	Sets
05-14-00010-42	Polarizing microscope	6	pcs
05-14-00010-43	Research microscope + camera	6	Pcs
05-14-00010-44	Microscope with camera	6	Pcs
05-14-00010-45	Electron microscope	6	Pcs
05-14-00010-46	Scanning Microscope	3	sets
05-14-00010-47	Stereoscope microscope	18	Pcs
05-14-00010-48	Microscope storage cabinet	6	Pcs
05-14-00010-49	Theodolites	15	sets
05-14-00010-50	LEICA Total station TCR 110 with adjusting block batteries, battery charger, mini prisma set and tripod	6	sets
05-14-00010-51	Automatic level + case aluminium tripod with 5/"screw	15	sets
05-14-00010-52	Levelling Staff	30	Pcs
05-14-00010-53	Tripods	36	Pcs
05-14-00010-54	Compasses	15	Sets
05-14-00010-55	Abney hand level	12	Sets
05-14-00010-56	Altimeter	15	Sets
05-14-00010-57	Pointed tip hammers	15	Pcs
05-14-00010-58	Fossile Hammer	36	Pcs
05-14-00010-59	Crack hammer	6	Pcs
05-14-00010-60	Leather Sheaths	6	Pcs
05-14-00010-61	Rock chisels	9	Pcs
05-14-00010-62	Canvas field bags	9	Pcs

AGENCY: FAO	DP-VIII AGRICULTURE		
CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	ANNEX AGRI / 14 - IRRIGATION		
05-14-00010-63	Geiger counters	15	Pcs
05-14-00010-64	Triaxial cell gauge	6	Pcs
05-14-00010-65	Uni axial cell gauge	6	Pcs
05-14-00010-66	GPS magellan	6	Sets
05-14-00010-67	Pocket stereoscope	9	Sets
05-14-00010-68	Mirror steriscope	6	Pcs
05-14-00010-69	Curvimeter	9	Sets
05-14-00010-70	Digital planimeter, with tracerlens and microprocessor, incl. Charger in case	9	set
05-14-00010-71	Pantograph, complete with conterweight, lenses, drawing head, etc, in case	6	set
05-14-00010-72	Map and chart cabinet	6	Pcs
05-14-00010-73	Electronic calculators	9	Pcs
05-14-00010-74	Flexible arm lamps	9	Pcs
05-14-00010-75	Mulitpurpose black board	6	Pcs
05-14-00010-76	Rock cutting machine	6	Pcs
05-14-00010-77	Splitting machine	6	Pcs
05-14-00010-78	Grinding machine	6	Pcs
05-14-00010-79	Carborundum powders	150	kgs
05-14-00010-80	Shaking machine	6	Pcs
05-14-00010-81	Crushing machine	6	Pcs
05-14-00010-82A	Landsat images	1	set
05-14-00010-82B	SPIN images	1	set
05-14-00010-82C	Digital elevation model	1	set
05-14-00010-82D	Topographic maps	1	lot
05-14-00010-83A	Ground water mapping	1	set
05-14-00010-83B	Arc View 3.2	1	set
05-14-00010-83C	Arc View 8.0	1	set
05-14-00010-83D	Er Mapper 6.4	1	set
05-14-00010-83E	Rockware 99	1	set
05-14-00010-83F	Rockware 99	1	set
05-14-00010-83G	Modflow + WinPest + 3D Explorer	1	set
05-14-00010-83H	Visual Help	1	set

AGENCY: FAO	DP-VIII AGRICULTURE		
CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	ANNEX AGRI / 14 - IRRIGATION		
05-14-00010-83I	Aquifer Test	1	set
05-14- 00011	Spare parts for existing deep well pumps	3 lots	Lot
05-14- 00012	Mobile caravan	6	Pcs
05-14- 00013	Mobile Workshop	6	Pcs
05-14- 00014	Water tanker	6	Pcs
	ANNEX AGRI / 14 B - Rehabilitation and Construction of Surface Water Irrigation Schemes		
05-14-00016	Office and field equipment	3	Lot
05-14-00016-1	Pentium III computer	18	sets
05-14-00016-2	Laser printer	18	sets
05-14-00016-3	Laptop Pentium III computer	8	sets
05-14-00016-4	A0 plotter	3	sets
05-14-00016-5	Large format digitizer	3	sets
05-14-00016-6	Geographic Imaging Software	3	sets
05-14-00016-7	Water sampling field set	3	sets
05-14-00016-8	Soil sampling set	9	sets
05-14-00016-9	Constant head permeameter	9	sets
05-14-00016-10	Soil moisture meter	9	sets
05-14-00017	Irrigation pumping sets 8 HP	1,000	Pcs
05-14-00018	Irrigation pumping sets 12 HP	1,000	Pcs
05-14-00019	Irrigation pumping sets 20 HP	1,000	Pcs
05-14-00020	Irrigation pumping sets 30HP	100	pcs
05-14-00021	Irrigation Pumping sets 100 HP	50	pcs
05-14-00022	Irrigation conveyance pipes HDPE (3"- 6") with all fittings	111,250	ML
	ANNEX AGRI / 14 - C Operation and Maintenance of Irrigation Projects		
05-14-00023	Motorised scrapers	4	Pcs
05-14-00024	Motor grader	4	Pcs
05-14-00025	Roller compactor	3	Pcs
05-14-00026	Drag line	2	Pcs
05-14-00027	Water tanker with spray line	4	Pcs
05-14-00028	Dumping truck	5	Pcs
05-14-00029	Vehicle double-cabin	18	Pcs
05-14-00030	Equipment for soil laboratory	3 lots	Lot
05-14-00030-1	Auger set	3	sets
05-14-00030-2	Single gauge auger set (soft)	3	sets
05-14-00030-3	Single gauge auger set (hard)	3	sets
05-14-00030-4	Soil sampling set	3	sets
05-14-00030-5	Hand penetrometer	3	sets
05-14-00030-6	Constant head permeameter	3	sets

AGENCY: FAO	DP-VIII AGRICULTURE		
CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	ANNEX AGRI / 14 - IRRIGATION		
05-14-00030-7	Reflectometer	3	sets
05-14-00030-8	Portable soil moisture meter	3	sets
05-14-00030-9	Soil moisture retention kit	3	sets
05-14-00030-10	Sounding device - 50 m	3	sets
05-14-00030-11	Sounding device - 100 m	3	sets
05-14-00030-12	Sounding device - 150 m	3	sets
05-14-00030-13	Staff gauge	3	sets
05-14-00030-14	Mini current meter	3	sets
05-14-00030-15	Flume	3	sets
05-14-00030-16	Photometer for water analysis	3	sets
05-14-00030-17	Water sampling set	3	sets
05-14-00030-18	Ph/Redox/Temp meter	3	sets
05-14-00030-19	EC/Temp meter	3	sets
05-14-00030-20	Digital flow meter + 3 pcs mounting T part 2 inch for digital flow meter	3	sets
05-14-00030-21	Digital flow meter + 3 pcs mounting T part 3 inch for digital flow meter	3	sets
05-14-00030-22	Digital flow meter + 3 pcs mounting T part 4 inch for digital flow meter	3	sets
05-14-00030-23	Portable logger	3	sets
05-14-00030-24	Geoelectrical survey equipment	3	sets
05-14-00031	Survey equipment	3 lots	Lot
05-14-00031-1	Complete Electronic Survey Stations	3	sets
05-14-00031-2	Automatic level NAN-20 Case aluminium tripod with 5/" screw	9	sets
05-14-00031-3	Hand set for communication	3	sets of 10
05-14-00031-4	Precise steel tape (50 m length-hard section type)	3	sets of 20
05-14-00031-5	Pocket Altimeters - 0-5000m	3	sets of 5
05-14-00031-6	Liquid prismatic compass, accuracy 1 degree accuracy, with case	3	sets of 5
05-14-00031-8	Digital planimeter, with tracerlens and microprocessor, incl. Charger in case	15	set
05-14-00032	Shovel	4	Pcs
05-14-00033	Bulldozer	3	Pcs
	ANNEX AGRI / 14 - IRRIGATION		
05-14-00034	Low loader	2	Pcs
05-14-00035	Fork lift	3	Pcs
05-14-00036	Drilling rigs for observation wells	3	Pcs
05-14-00037	Drilling rigs for drilling horizontally	3	Pcs
05-14-00038	Grouting pumps with accessories	3	Pcs
05-14-00039	Generators (250 KVA)	64	Pcs

AGENCY: FAO	DP-VIII AGRICULTURE		
CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	ANNEX AGRI / 14 - IRRIGATION		
05-14-00040	Generators (75 KVA)	90	Pcs
05-14-00041	Hydraulic excavators	3	Pcs
	ANNEX AGRI / 14 D - Expansion of Modern Water Saving Technology in Irrigated Areas		
05-14-00043	Sprinkler Irrigation Systems	260	System
05-14-00044	Drip Irrigation Systems	168	System
05-14-00045	Deep Well Pumping Set complete	175	Pcs
	ANNEX AGRI / 14 Watershed Management Program in Support of Small-Scale Irrigation		
05-14-00047	Irrigation pumping sets complete	3	Pcs
05-14-00048	Hydrological equipment sets	3	Lot
05-14-00048-A-1	Portable cableway	3	sets
05-14-00048-A-2	Current meter	3	sets
05-14-00048-A-3	3 metre rods and accessories	9	sets
05-14-00048-A-4	Horizontal water gauge recorder	3	sets
05-14-00048-A-5	Radar sensor	3	sets
05-14-00048-A-6	Rain gauge recorders	9	sets
05-14-00048-A-7	Hardware for recording 3,4 & 5	3	sets
05-14-00048-A-8	Video film - Hydrometry	3	sets
05-14-00048-B	Hydrological soil moisture probe	3	sets
05-14-00048-C	Flumes	3	sets
05-14-00051	Multi-purpose tractors with accessories	9	Pcs
05-14-00051-1	4WD or trac 30-4- HP tractor	9	Pcs
05-14-00051-2	Mouldboard plough	9	Pcs
05-14-00051-3	Offset rotovator	9	Pcs
05-14-00051-4	Orchard tipping trailer and spare parts	9	Pcs
05-14-00051-5	Tractor Mounted Water pumps with accessories and spare parts	9	Units
05-14-00052	Mini-sprinklers	500	Pcs
05-14-00053	Hose-move sprinklers	240	Lots
05-14-00054	Traveller Irrigation Machines, booms and booster pumps with accessories included	10	systems
05-14-00055	Center Pivot systems	20	system
05-14-00056	Conveyance pressure pipe systems	150	system
05-14-00057	Hydrological stations	20	Pcs
05-14-00057/K	Software for data analysis -one lot of 4 single system	1	lot
05-14-00057/N	Trase Soil Moisture Analysers	9	sets
05-14-00058	Instruments for measuring ground and surface water	3 lots	Pcs
05-14-00058-A1	Pocket altimeter	24	Sets

AGENCY: FAO	DP-VIII AGRICULTURE		
CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	ANNEX AGRI / 14 - IRRIGATION		
05-14-00058-A2	GPS receiver GPSMAP 76 - Internal international basis and blue chart CD rooms incl PC interface cable	6	set
05-14-00058-A3	GPS pocket receiver	12	Sets
05-14-00058-B1	Sounding device - 100 m	15	Pcs
05-14-00058-B2	Sounding device - 150 m	30	Pcs
05-14-00058-B3	Sounding device - 200 m	9	Pcs
05-14-00058-C	Portable logger	3	sets
05-14-00058-D	Ph/mV/EC/Sal/T/O2-measuring set, complete with electrodes, case, liquids and batteries	3	Pcs
05-14-00058-E	Digital flow meter + 15 pcs of mounting T part 2 inch + 21 pcs of mounting T part 3 inch for digital flowmeter	36	sets
05-14-00059	Snow survey stations	20	Pcs
05-14-00060	Pipedistributionsystems	150	system
05-14-00061	Dripirrigationsystem	232	system
05-14-00062	LowcostDripirrigationsystem	1000	system
05-14-00063	Deepwellpumpingsets-submersiblepumps	200	Pcs
05-14-00064	Spare Parts for Drilling Rigs	1	Lot