

**ANNEX AGRI/20
AGRO-METEOROLOGICAL EQUIPMENT & SPARE PARTS**

ANNEX AGRI / 20 - A. Equipment & spare parts

Code	Item Description	Unit	Total Qty.	Proposed Allocation			Intend. use	Compliment. items	Optimal Application Date	Optimal Delivery Date	Target Benefic.
				DHK	ERB	SUL					
05-20-00001	Recording rain gauge (Casela 5532 or SIAP 360972)	Pcs	7	2	2	3	Agro-meteorological stations	None	JAN 2000	NOV 1999	Agro-meteorol.
05-20-00002	Rain gauge with data logger and solar energy system	Set	9	3	3	3		None	JAN 2000	NOV 1999	Agricultural
05-20-00003	Thermohygrograph with data logger and solar energy system	Set	9	3	3	3		None	JAN 2000	NOV 1999	
05-20-00004	Thermograph (Casela B.S. 3231)	Pcs	7	2	2	3		None	JAN 2000	NOV 1999	
05-20-00005	Hygrograph (Casela B.S. 3370)	Pcs	7	2	2	3		None	JAN 2000	NOV 1999	
05-20-00006	Barograph (Casela 2867)	Pcs	7	2	2	3		None	JAN 2000	NOV 1999	
05-20-00007	Rain measuring vessel 0-10mm with a 0.1mm division	Pcs	7	2	2	3		None	JAN 2000	NOV 1999	
05-20-00008	Wind Speed and direction (Siap 119156) + recording paper	Set	3	1	-	2		None	JAN 2000	NOV 1999	
05-20-00009	Hook gauge evaporimeter for pan (165x115x115mm) with still well (215x254x254mm)	Set	4	1	1	2		None	JAN 2000	NOV 1999	
05-20-00010	Mercury-in-glass thermometer, (-20 to+50 ⁰ C, acc. 0.1 ⁰ C)	Pcs	7	2	3	2		None	JAN 2000	NOV 1999	
05-20-00011	Soil thermometer depths : 50mm, 300mm, 500mm and 1000mm	Set	6	2	2	2		None	JAN 2000	NOV 1999	
05-20-00012	Weather Screen (120 cm x 50 cm x 52 cm)	Pcs	10	3	3	4		None	JAN 2000	NOV 1999	
05-20-00013	Grass minimum thermometer.	Pcs	6	2	2	2		None	JAN 2000	NOV 1999	
05-20-00014	Sunshine recorders, Campbell-Stokes	Pcs	4	1	1	2		None	JAN 2000	NOV 1999	
05-20-00015	Staff gauge	Pcs	6	2	-	4		None	JAN 2000	NOV 1999	
05-20-00016	Monitoring well datalogger, type diver	Set	3	1	-	2		None	JAN 2000	NOV 1999	
05-20-00017	Water balance recorder	Pcs	3	1	-	2		None	JAN 2000	NOV 1999	
05-20-00018	Snow gauge	Pcs	6	2	-	4		None	JAN 2000	NOV 1999	
05-20-00019	Floating minimum/maximum thermometers	Pcs	6	2	-	4		None	JAN 2000	NOV 1999	
05-20-00020	Recording charts for rainguge (SIAP 360972)	Pcks	9	3	3	3		None	JAN 2000	NOV 1999	
05-20-00021	Recording charts for rainguge (Casela 5532)	Pcks	9	3	3	3		None	JAN 2000	NOV 1999	
05-20-00022	Recording charts for thermograph (Casela B.S. 3231)	Pcks	9	3	3	3		None	JAN 2000	NOV 1999	
05-20-00023	Recording charts for hygrograph (Casela B.S. 3370)	Pcks	9	3	3	3		None	JAN 2000	NOV 1999	
05-20-00024	Pen for recording charts (Casela) , package of 12 pecies	Pcks	3	1	1	1		None	JAN 2000	NOV 1999	

Estimated Budget US\$ 69,2000

Quantity subject to market price and/or reschedule of fund at time of procurement

ANNEX AGRI / 20 - B. Laboratory Instruments

Code	Item Description	Unit	Total Qty.	Proposed Allocation			Intended use	Complimentary items	Optimal Application Date	Optimal Delivery Date	Target Beneficiaries
				DHK	ERB	SUL					
05-20-00025	Temperature bath for (thermographs and Thermo-hygrographs) calibrations with its accessories.	Set	3	1	1	1	Agro-meteorological stations	None	Jan 2000	Nov 1999	Agricultural
05-20-00026	Digital Planimeter	Pcs	3	1	1	1		None	Jan 2000	Nov 1999	
05-20-00027	Altimeter	Pcs	3	1	1	1		None	Jan 2000	Nov 1999	
05-20-00028	Compass	Pcs	3	1	1	1		None	Jan 2000	Nov 1999	
05-20-00029	Clinometer	Pcs	3	1	1	1		None	Jan 2000	Nov 1999	
05-20-00030	Assmann psychrometer	Set	3	1	1	1		None	Jan 2000	Nov 1999	
05-20-00031	Measuring tape	Pcs	3	1	1	1		None	Jan 2000	Nov 1999	
05-20-00032	Field computer	Set	3	1	1	1		None	Jan 2000	Nov 1999	
05-20-00033	Portable multiple temperature meter	Set	3	1	1	1		None	Jan 2000	Nov 1999	
05-20-00034	Digital cup star anemometer	Pcs	3	1	1	1		None	Jan 2000	Nov 1999	
05-20-00035	Telemetric data-transmission system	Set	3	1	1	1		None	Jan 2000	Nov 1999	
05-20-00036	Cars: Toyota pickup 4WD with back cover	Unit	3	1	1	1		None	Jan 2000	Nov 1999	

Estimated Budget US\$ 147,700

Quantity subject to market price and/or reschedule of fund at time of procurement

ANNEX AGRI / 20 - C. Supplement Stations

Code	Item Description	Unit	Total Qty.	Proposed Allocation			Intended use	Complimentary items	Optimal Application Date	Optimal Delivery Date	Target Beneficiaries
				DHK	ERB	SUL					
05-20-00038	<p>Complete agro -meteorological station to include the following:</p> <ul style="list-style-type: none"> - Recording rain gauge. - Anemograph wind speed and direction indicator at 2m height. - Maximum & minimum air thermometer, scale (-20 to+50⁰C x 1 ⁰C). - Wet and dry bulb hygrometer (-5 to + 50 ⁰C). - Stevenson screen (540 x 580 x 420 mm). - Bimetallic actinograph (latitude 25 ⁰C – 45 ⁰C North). - Standard class "A" evaporation pan (254 x 1220 mm). - Hook gauge evaporimeter for pan (165 x 115 x 115) with still well (215 x 254 x 254 mm). - Soil thermometers depths: 50mm, 100mm, 200mm, and 300mm - Grass minimum thermometer . 	Set	6	2	2	2	Agro-meteorological stations	None	JAN 2000	NOV 1999	Agricultural
05-20-00039	<p>Automatic Agro-meteostation (Eijkelpamp 16.99)</p>	Set	6	2	2	2		None	JAN 2000	NOV 1999	
05-20-00040	<p>Complete automatic meteorological station to include:-</p> <ul style="list-style-type: none"> - Power supply unit, Solar cell and battery. - Data scanning unit (5, 10, 20 ,30 60 minutes selectable reading periods) - On field data storing unit and data radio transmission unit. - A related PC software for data acquisition and processing. <p>To measure the following parameters at 10m above the ground:</p> <ul style="list-style-type: none"> -Total Solar Radiation, Air pressure -Wind mean speed, gust and direction. -Air Temperature, Air Humidity, Precipitation. <p>To measure the following parameters at 2.0m above the ground:</p> <ul style="list-style-type: none"> -Air Temperature, Air Humidity, Wind speed and Direction Soil temperature sensor for depths: 0.0, 50, 100, 200, 300 and 500mm. Add recommended spare parts 	Set	6	2	2	2		None	JAN 2000	NOV 1999	

Estimated Budget US\$ 198,000

Quantity subject to market price and/or reschedule of fund at time of procurement

ANNEX AGRI / 20 - D. Processing Centres

Code	Item Description	Unit	Total Qty.	Proposed Allocation			Intended use	Complimentary items	Optimal Application Date	Optimal Delivery Date	Target Beneficiaries
				DHK	ERB	SUL					
05-20-00041	1. Server: Main board: support (ZX chipset), CPU: PIII 500MHz, Case: ATX, Memory 128 MB SDRam (100 MHz), Hard disk: >=15.0 GB SCSI, Display Adapter: 64-bit 3D Accelerator AGP with minimum memory 32MB. Display Monitor: 17", 0.26 SVGA (1600x1200). Floppy DD: 3.5"HD, Keyboard: 104-Keys Arabic/English. Mouse: Microsoft or compatible with bad. Multimedia: 40 x CD-ROM EIDE, 64-bit sound card, Ac Powered, Amplified Speakers. Modem 56.0 internal not built-in. CD-ROM: Read/Write 20x/8x or the least.	Set	1	-	1	-	Agro-meteorological stations	None	JAN 2000	NOV 1999	Agricultural
05-20-00042	2. Terminals : Main board: support (ZX chipset), CPU: PIII 500MHz, Case: ATX, Memory 128 MB SDRam (100 MHz), Hard disk: >=10.0 GB EIDE, Display Adapter: 64-bit 3D Accelerator AGP with minimum memory 16MB. Display Monitor: 17", 0.26 SVGA (1600x1200). Floppy DD: 3.5"HD, Keyboard: 104-Keys Arabic/English. Mouse: Microsoft or compatible with bad. Multimedia: 40 x CD-ROM EIDE, 64-bit sound card, Ac Powered, Amplified Speakers. Modem 56.0 internal not built-in .	Set	6	2	2	2		None	JAN 2000	NOV 1999	
05-20-00043	3. Printer: HP 1120 C, A3	Pcs	5	1	3	1		None	JAN 2000	NOV 1999	
05-20-00044	4. Scanner: HP, 9600 DPI, True Color A3.	Pcs	5	1	3	1		None	JAN 2000	NOV 1999	
05-20-00045	5. Accessories: Screen filters, Dust covers, Paper holders, FD Boxes, CD containers	Pcs	7	2	3	2		None	JAN 2000	NOV 1999	
05-20-00046	6. UPS : APC back 600VA, USA or IRISH made	Pcs	7	2	3	2		None	JAN 2000	NOV 1999	
05-20-00047	7. Software: Optical Character Recognition software. Ready to converse graphs to decimal numbers.	Pcks	1	-	-	-		None	JAN 2000	NOV 1999	
05-20-00048	8. Software: Multi-stations and multi-parameters presentation software	Pcks	1	-	-	-		None	JAN 2000	NOV 1999	
05-20-00049	9. Windows NT: Arabic support version 4.0 or later with	Pcks	1	-	-	-		None	JAN 2000	NOV 1999	
05-20-00050	10. Copier machine: Canon NP-6241 +RDF, S. S. -A1 & CFU -D1	Set	3	1	1	1		None	JAN 2000	NOV 1999	

Estimated Budget US\$ 85,100

Quantity subject to market price and/or reschedule of fund at time of procurement