

ANNEX SEVEN/ TRANSPORT & COMMUNICATIONS / TELECOMMUNICATIONS

Sub-sector:

Site Name: **NOTE-1

Code	Item Description	Unit	Qty.	Complemen entary Items
07-30-00001	1. A complete meteorological satellite receiving station comprising the following main features: <ul style="list-style-type: none"> ◆ PDUS / HRIT , MDD ,SADIS , HRPT ◆ Five work terminals in addition to the server terminal. ◆ Connection to GTS and AFTN networks ◆ Two Laser jet printers , one for A3 size the other for A4 size ◆ Key Unit and other services charges for 2 years transmission to be paid to “Eumetsat” are to be included in the offer. 		1	
07-30-00002	2. A complete Upper-Air Automatic sounding system comprising all options available, including consumables, recommended spare parts for 2 years operation and on-site and factory training on the maintenance & operation.		1	
07-30-00003	3. A complete Runway Automatic Weather Observation station for an International Airport. Of category CAT III A . dual runway.		1	
07-30-00004	4. A meteorological Message Switching System (MSS) to be used for communication with GTS and AFTN networks and to follow WMO recommendation standards and ICAO regulations. It is to include ten work terminals plus satellite SADIS and MDD reception plus two laser jet printers one of them large size.		1	
07-30-00005	5. A local PC network for Climatological data archive comprising of a server and ten terminals in addition to a modern ploter , printer, colored scanner, digital camera and a projector.		1	
07-30-00006	6. surface observation instruments (as in the attached list) .		1	

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07-30-00011	Data Logger, PC based, Pentium type, IBM compatible.16 Input channels12V DC with rechargable Battery and 30m multicore cable for all the following Sensors.	Lot	50	
07-30-00021	Voltage stabilizer for item (1) , 220 VAC, 50 HZ	Lot	28	
07-30-00025	Wind speed and Direction sensors with cross Arm and 30 m cable, speed Range 0 to 65 m/s.. Threshold 0.5 m/s . Direction: 0 to 360 + 3 ° , 10 m tiltable pole mast with installation materials	Lot	25	
07-30-00033	Air temperature sensor (PT 100) range -15 to +60 ° c	Lot	25	
07-30-00039	Relative Humidity sensor, solid state with filter Range 0 to 100 % Res. 0.1 %	Lot	25	
07-30-00040	Soil temperature sensors for the depths of surface, 5, 10, 20, 30, 50 & 100 cm with stands, measur. Range of the first 3 (-20 to +80) and for last 4 (-10 to +50)	Lot	25	
07-30-00041	Solar Radiation sensor.	Lot	28	
07-30-00041	Net Radiation sensor.	Lot	20	
07-30-00042	Evaporation Pan, 120 cm diameter, stainless steel Sensor. Float Potentiometer combination in a stilling well Accur. Better than 1 mm	Lot	20	
07-30-00043	Atmospheric Pressure sensor Range 850 – 1050 mb Res. 0.1 mb Accur. 0.3 mb	Lot	20	
07-30-00044	Hand held wind vane / Anemometer Range 0 to 30 m/s 0 to 360°	Lot	20	
07-30-00045	Air flow Meter Range 0 to 10 m/s Resolution 0.1 m/s	Lot	10	
07-30-00046	Wind speed and direction sensors as in Item 3 Plus Wind Indicator and 30 meters Cable. c/w . 10 m tiltable pole mast with installation materials.	Lot	30	
07-30-00047	Stevenson Screen, Large size with Iron stand and Thermometers Mount.brackets.	Set	30	
07-30-00048	Max. temperature thermometers, Range -5 to +60° c + 0.3° c Scale division 0.5°c	Lot	200	

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07-30-00049	Min. temperature thermometers, Range b –15 to + 50°c +0.2°c Scale division 0.5°c	Lot	200	
07-30-00050	Sunshine Recorder, Campbell Stokes Pattern complete with charts for 5 years operation Northern Hemisphere areas.	Lot	200	
07-30-00051	Non-Recording Rain gauge, Aperture diameter 127 mm with all accessories.	Lot	100	
07-30-00052	Spare Measuring glass jars for Item 19.	Lot	400	
07-30-00053	Thermograph, daily clock , consumables for 5 years operation Range –15 to 60° c	Lot	400	
07-30-00054	Hydrograph, daily clock , consumables for 5 years operation Range 0 to 100 %	Lot	30	
07-30-00055	Barograph, weekly clock, Range 850 to 1050 mb with 5 years consumables	Lot	30	
07-30-00056	Dry bulb and Wet bulb thermometers with Wicks and wetting bottles.	Lot	200	
07-30-00057	Spare clocks for Thermographs, Hygrographs and Barographs.	each	200	
07-30-00058	Mercury in glass kew Barometer, Range 850 to 1050 mb, Vern. 0.1 mb Attached thermometer –10 to +50° c with Calibration certificate and correction tables	each	21	
07-30-00059	Relative humidity Calculator.	Lot	60	
07-30-00060	Electric generator 2 KVA, 220VAC, 50 Hz c/w . spare parts.	Lot	50	
07-30-00061	HF/SSB Radiotelephone, 150 W PEP, 2 - 15 MHZ, USB, 6 channels simplex 220 V AC, 50 HZ/ 12 V DC , -VE ground operation. Solid state C/W. spare parts, simple design with plug in cards Antenna I/P 50 ohms.	Lot	20	
07-30-01062	HF/SSB Radiotelephone, 500 W PEP, base station, 2 - 15 MHZ USB, 6 channels, simplex comprising 6 monitoring receivers (one for each channel) . 220 V AC, 50 HZ mains operation, C/W. spare parts, Antenna I/P 50 ohms.	Set	2	
07-30-01063	HF Antenna, range 2 – 15 MHZ, 500 W Horizontal Folded Dipole type with 50 M coaxial cable and telescopic pole masts installation materials. Short dimension suitable for limited installation area.	Set	21	
07-30-01064	Meteorological balloons, natural rubber , 1000g, 500g, 350g, 50g, 10g.	Each	500	
07-30-01065	Electrolytic Hydrogen generator , production rate of the order of 1 m3 / h.	Each	One	
07-30-01066	Multi purpose measuring system for agriculture and forestry	No	2	

** NOTE-1 : The need for these items exceeds the quantity requested. An Allocation Plan will accompany the Contract.