

SECTOR: VII Infrastructure

Subsector:

PROJECT or

IRAQI METEOROLOGICAL ORGANIZATION

TITLE:

Requirements of weather observation

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	LIST OF SURFACE INSTRUMENTS		
07-55-01100	Upper air observation automatic radio sonde system complete with all options, spares	3	
07-55-01101			
07-55-01102	Surface meteorological instruments as per the	1	lot
07-55-01103	station for measuring air temp, soil temp at various depths, relative humidity, rainfall, evaporation wind speed and direction sunshine duration and solar radiation, and comprising a data logger, PC based, pentium type IBM compatible, 12 VDC battery operation with solar panels for battery charging .	5	
07-55-01104	Marine automatic meteorological station Including all measuring sensors and data	2	
07-55-01105	A complete runway automatic weather Observation station for Baghdad Int. airport of category CAT III A .dual runway complete	1	
07-55-01106	Weather radar system, comprising a computer , color monitor and all necessary accessories spare parts complete with installation and	2	
07-55-01148	Satellite Receiving Station for Meteosat Second Generation (MSG) and the coming European Polar Orbiting Satellite, complete	1	
07-55-01149	Wind tunnel for calibrating wind instruments With accessories consumables and spares.	1	
07-55-01150	Wireless , Two way , fast speed data link ,10-20 km range complete with spares.	2	
07-55-01151	Miscellaneous Mechanical, Electrical, and Electronic measuring and test instruments.	1	lot
07-55-01152	Seismological Observation Systems with consumables spares and training.	50	
	LIST OF SURFACE INSTRUMENTS		
07-55-01107	Data logger, PC based , Pentium type ,IBM compatible , 16 input channels , 12 v DC battery operation with 220v AC , 50 HZ voltage stabilizer and battery charger , 30 m multi core cable for the following sensors,	50	
07-55-01108	Wind speed and direction sensors with cross arm,10 m tiltable pole mast including	50	
07-55-01109	Air temperature sensor.	50	
07-55-01110	Relative humidity sensor , solid state type.	50	
07-55-01111	Soil temperature sensors for the depths of 2,5, 10, 20, 30, 50 C 100-cm c/w stands.	50	
07-55-01112	Solar radiation sensor.	50	
07-55-01113	Net Radiation sensor	20	

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
07-55-01114	Evaporation pan, 120-cm diameter, stainless steel sensor, floats potentiometer	50	
07-55-01115	Atmospheric pressure sensor.	50	
07-55-01116	Sunshine duration sensor.	50	
07-55-01117	Rainfall sensor.	50	
07-55-01118	Meteorological visibility sensor.	20	
07-55-01119	Cloud base height sensor.	20	
07-55-01120	Hand held wind vane anemometer.	20	
07-55-01121	Air flow meter.	20	
07-55-01122	Wind speed and direction anemometer complete with wind indicators, 30 m cable, 10 m tillable pole mast and installation	25	
07-55-01123	Ordinary thermometers.	400	
07-55-01124	Maximum temperature thermometers.	200	
07-55-01125	Minimum temperature thermometers.	200	
07-55-01126	Mercury barometer, kew pattern type c/w carrying case, illumination device and other accessories.	40	
07-55-01127	Aneroid altimeter.	10	
07-55-01128	Stevenson screen , large size with iron stand and thermometers mount .brackets.	50	
07-55-01129	Air balloons	4,000	
07-55-01130	Sunshine recorder, campbell stokes pattern complete with charts for 5 years operation	20	
07-55-01131	Non-Recording rain gauge, aperture diameter 127 mm with all accessories.	200	
07-55-01132	Spare measuring glass jars.	400	
07-55-01133	Thermograph, daily clock , consumables for 5 years operation range -15 to 60ú c	30	
07-55-01134	Hygrograph, daily clock , consumables for 5 years operation range 0 to 100 %	30	
07-55-01135	Barograph, weekly clock, range 850 to 1050 mb with 5 years consumables	30	
07-55-01136	Dry bulb and wet bulb thermometers with wicks and wetting bottles.	30	
07-55-01137	Spare clocks for thermographs, hygrographs	20	
07-55-01138	Relative humidity calculator.	60	
07-55-01139	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	2	set
07-55-01140	Electric gasoline driven generator, 3KVA, 220VAC, 50HZ with spares.	100	
07-55-01141	HF/ SSB Radiotelephone 2-15 MHZ ,150W PEP , 12VDC battery operation c/w 10 AMP. Battery charger (ordinary type) and spares.	50	
07-55-01142	HF antenna, 100- 600 km range c/w pole masts and installation materials.	50	
07-55-01143	Electrolytic hydrogen generator of, 3 m/hr production rate c/w spares, installation	2	
07-55-01144	Soil moisture content electronic measuring	5	
07-55-01145	Meteorological balloons, natural rubber, 1000 gm, 500gm 350gm, 50gm and 10gm.	2,000	

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
07-55-01146	Secondary standard mercury barometer completes with all accessories.	2	
07-55-01147	Calibration equipment for temperature, relative humidity and pressure measuring and recording instruments.	2	set