

# INDIA METEOROLOGICAL DEPT. (IMD) AWS SYSTEM



100 AWS & 1 Digital Direct Earth Ground Station (DDRGS)  
Supply, Testing, Installation & Training in India & USA

## DESCRIPTION

- In 2005, Sutron was awarded a supply order for supply, testing, installation and training of 100 Automatic Weather Stations and 1 Digital Direct Receive Ground Station to IMD Pune at a cost of US\$1,511,594 (INR 6.80 Crores).
- In 2006, all equipment was supplied to IMD Pune after Factory Acceptance Testing and Training of 4 IMD scientists in the Sutron factory, Sterling, Virginia, USA.
- DDRGS was successfully installed at IMD Pune and on-site training to IMD personnel was provided.
- Installation training was successfully given to the engineers of designated contractor of IMD Pune.
- IMD Pune likely to award AMC contract to Sutron India in 2008/2009.

## FEATURES

- Extensive Met System including 100 Automatic Remote Terminal Units (RTU)
- INSAT Satellite Transmitter with antenna, cabling & mounting hardware
- Dataloggers, Solar Equipment, Voltage Regulators, all other electronic peripherals
- AWS equipment: sensors, signal conditioning, interfacing, data conversion, formatting, storage and transmission sub-system
- Provide Receive Site to replace existing monitoring & warning system
- Uplinking AWS data to the satellite compatible with INSAT/KALPANA-1 DRT's
- Procuring AWS data reception (Earth Station) & processing equipment for installation at Pune.
- Installation, final checkout & commissioning of all field sites
- Providing necessary spares, testing & measuring equipment
- Providing the Data Conversion, Storage & Transmission System (DCSTS) for unattended operation for at least one year at remote places using a 12V single-sealed battery.
- System has a built-in memory capable of storing data for at least 12 months, retrievable on a PCMCIA card.
- System has a built-in test facility for monitoring & displaying functions of various sub-systems.



<b>OWNER:</b>	Government of India India Meteorological Department	<b>TELEMETRY:</b>	INSAT Satellite Communications for Stations. Uplinking AWS data to the INSAT/KALPANA-1 Satellite DRT's
<b>PROJECT:</b>	Supply, Testing, Installation, Commissioning, & Training for Real-Time Data Acquisition System consisting of 100 Automatic Weather Stations & 1 Digital Direct Receive Ground Station in Pune plus Associated Systems CPU/54/0903/4042/129F	<b>EQUIPMENT:</b>	100 Automatic Weather Remote Terminal Units (RTU) 1 DDRGS Sutron INSAT Satellite Transmitters Sutron Data Loggers All Station Power/Electronics Full Met Sensor Suite
<b>DATES:</b>	2006 with on-going support	<b>DATA HANDLING:</b>	Signal Conditioning, Interfacing, Data Conversion, Formatting, Storage, Transmission sub-system
<b>CONTACT:</b>	Deputy Director General (SI) India Meteorological Department Shivaji Nagar, Pune 411 005 Tel No : 020-25535411		
<b>VALUE:</b>	US\$1,511,594 (INR 6.80 Crores)		

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