United Nations Development Programme

REQUEST FOR QUOTATIONS

Telemetric Rain Gauges for Establishing a Landslide Early Warning System for THE UNITED NATIONS DEVELOPMENT PROGRAMME

The Disaster Risk Management (DRM) Programme under the United Nations Development Programme (UNDP) in Sri Lanka has been supporting the Ministry of Disaster Management and Human Rights (M/DM&HR) and the Disaster Management Centre (DMC) in implementing a number of programmes to strengthen disaster preparedness, early warning and response at national, provincial, district and community levels.

Development of Multi-hazard Early Warning systems is one of the main post-tsunami interventions in disaster management sector and the road map for Disaster Risk Management in Sri Lanka. It has clearly identified the need of such early warning systems to ensure that the vulnerable communities receive early warnings at the right time. The UNDP DRM programme envisages supporting the Ministry of Disaster Management and Human Rights to establish a network of telemetric rain gauges to strengthen the capacity in landslide early warning.

To this effect, the UNDP/Sri Lanka wishes to call for Request for Quotations (RFQ) for the supply and delivery of the following Rain Guages on an urgent basis:

Type of Equipment	Quantity	Delivery Location
Telemetric Rain Gauges	50	Colombo, Sri Lanka

Terms & Conditions:

1). The deadline for submission of sealed quotations is on or before 18 March 2010, 2.00pm, Colombo time. Quotations will be only accepted at the above unit from 9.00am to 2.00pm Monday-Friday. Late and incomplete quotations will not be accepted and will be rejected.

2). All sealed quotations must be clearly marked "Quotation for Rain Guages" on the top left corner of the envelope.

3). All quotes will be opened, evaluated and contract awarded according to UNDP best procurement practices. The evaluation will be based on ;

a. Compliance with the technical specification
b. Authorized dealership for the quoting product(s)
c. Documentary evidence on quality assurance
d. At least 3 years experience in supplying similar type of Accessories for International Organizations
e. Delivery lead time
f. Price

4). The Contractors shall bear all costs associated with the preparation and submission of the quotation. The UNDP will not be responsible or liable for those costs, regardless of the conduct or outcome of the solicitation. The UNDP reserves the right to accept or reject any offer without any notice or explanation.

5). The quotation prepared by the Bidder shall be written in English.

6). All prices shall be quoted in Sri Lankan Rupees (LKR), DDP Colombo (Delivered at Colombo).

7). The quoted goods shall be delivered, not exceeding specified delivery time upon receiving the Purchase Order.

8). The sealed quotations shall be delivered at:

Address: Head of Procurement
United Nations Development Programme (UNDP)
202-204, Bauddhaloka Mawatha
Colombo 07
Sri Lanka.

Specifications for Automatic Rain Gauge Network

Description:

Sealed tenders are invited for the supply, installation and maintenance of a network with 60 rain gauge stations. The rain gauges, preferably of type tipping bucket will be installed in Kandy, Ratnapura, Galle, Matara, Hambantota, Nuwara Eliya, and Badulla districts and will be connected to a central server in Colombo through GPRS based GSM. **Arrangements at the receiving station should be into a computer system as well as to a panel which all data can read together.**

System of rain gauges should have the capability to transmit rainfall data in user configurable time intervals enabling real time monitoring of rainfall data. Furthermore, the gauges should have data storage of at least 3 months duration downloadable to a Laptop Computer or desktop computer .

Tender should include user friendly software for communication (between remote rain gauge locations and the central server) and applications in addition to maintenance/upgrade of the same for a minimum period of three years.

Technical Details:

a). Rain gauges
- rugged and corrosion resistant construction
- low friction and non seizing bucket bearings
- smooth surface for minimal retention in the bucket
- Reed switch output with dual switch option
- built in bubble level and adjustable feet
- stable calibration
- inbuilt display panel within the unit

Aperture	minimum 200 cm^2
Accuracy	+/- 1% at 26 mm/hr
Resolution	0.5 mm
Transducer	magnet/reed switch
Power supply	220V/50Hz equipped with re-chargeable battery back up
	Option 1. Quote separately for solar powered system for areas with no electricity

The measuring principle of the gauge should comply with 'Guide to Meteorological Instruments No. 8 of WMO'

b). Communication software

User friendly software capable of acquiring real time and/or past rainfall data from the gauge network.

c). Application software

facility to process data output standard products and graphical visualization

d) Training requirement

Two technical persons of NBRO must be train on software and hardware involved for in auto mated rain gauge system.