

Sultan Qaboos University

Procurement Department



جامعة السلطان قابوس

دائرة المشتريات

REQUISITION FORM

Requisition Number:7038/23/0018

Last Date for Submission:25/09/2023

S.N.	SQU Product Code	Description	Qty.	UOM	Remarks
1	EQUCMDEQU0011	STRONG MOTION SEISMIC STATION	13	Nos	<p>PHASE 2</p> <p>STRONG MOTION SEISMIC STATION Supply, installation (for stations), testing and commissioning. Redundant Strong Motion Seismic Stations for strategic infrastructure each consists of: STRONG MOTION SPECIFICATION General Specifications: 100% compatible with SQU Real Time Seismic Monitoring System 100% compatible with SQU Real Time Seismic Monitoring System Automatic ShakeMap System ORB capability to optimize real time communication cost Automatic Real Time Continuous Triggered data on demand Real Time SOH capability (Voltage, GPS, T?, Humidity at minimum)</p> <p>High Resolution Central Recording System (4-ch), consists of: 24-Bit 4-Channel System Recorder,</p>

					<p>includes:</p> <ul style="list-style-type: none"> * External Triaxial Accelerometer * 8 Gbyte SDHC Memory, Built in POTS Modem, IP Network Aware Built in GPS receiver with 15m antenna cable * PTP Read, 3 x USB & 3 x RS-232 & 1 x Ethernet Port, EEW Ready, Sample rate: Up to 5000sps, Dust Caps, Cable, Rock+ to accelerometer, 2 m, Cable, Power Supply with lug for Battery, Operating Temperature 0 to 70C Recorder 4X Permanent Field Deployment, NEMA 4 steel enclosure consists of: 12V 18Ah Battery, Cables, Power Supply, Ethernet, Console, 100-240 VAC Charger, Lightning Protection, 3G/4G Wireless Modem (SIM card to be provided by SQU), Grounding All internal cabling, wiring and hardware Protection Box for accelerometer, Isolated Supply <p>Support to include:</p> <ul style="list-style-type: none"> - installation support of at least 4 stations - Configuration / Establishment of VPN connections between the strong motion stations and EMS Data center for at least 2 stations or more outside EMC data center - Real-time calculation of acceleration spectra - Configuration and customization of alarms' thresholds based on zones design spectra
--	--	--	--	--	--

					<ul style="list-style-type: none"> - Configuration of web capabilities (dynamic stations Maps, real-time spectra), automatic reports, and automatic notifications. - Possibility of interfacing with third parties API systems. <p>With demonstrated capabilities.</p> <p>-</p> <p>Warranty one year</p> <p>Delivery door to door</p>
--	--	--	--	--	---