

	<p>INDIAN INSTITUTE OF TECHNOLOGY MADRAS Chennai 600 036</p> <p>Telephone: [044] 2257 4289 E-mail: indunambi@iitm.ac.in</p>	
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Department of Civil Engineering

Corrigendum-1

Tender Reference no: CE/STORES/2019/XRF Analyser
Name of the Item: XRF ANALYSER
Corrigendum details: Changes in Technical Specifications

All other terms and conditions remain the same.

Tender Inviting Authority:



Prof. Indumathi M Nambi,
Department of Civil Engineering,
IIT Madras,
Chennai 600036



Dr. INDUMATHI M. NAMBI
Professor
Environment & Water Resources Division
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai - 600 036, India

Specifications for Hand Held XRF Analyser

Application	To determine the metals present in soils and sediments
Analytical range	Elements capability – Mg, Al, Si, Ca, S, P, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, W Zn, Hg, As, Pb, Bi, Se, Th, U, Sr, Y, Zr, Nb, Mo, Ag, Cd, Sn, Sb
Detection range and Accuracy	ppm level of detection (Mention the limits of detection for every metal), 3 - 4 sigma accuracy
Detector type	High performance silicon drift detector
Data storage	Internal > 10000 readings, micro SD slot for expandable storage
Data transfer	USB, Wi fi and Bluetooth along with software
Battery	Rechargeable, 10 -12 hours working
Operating Environment	Temperature: -10 °C to 50 °C Humidity: 10% to 90% relative humidity non-condensing
Recurring cost	To be mentioned
Weight	< 2.0 kg , Easily portable
Warranty	Minimum of 3 years from the date of installation.
Certifications	Low radiation, water resistant, durable
Service / Maintenance cost	To be mentioned
Sample temperature	20° C – 150° C, measurement time would be adjustable
Training	Training program should be conducted



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