



CENTRAL INSTITUTE OF MINING & FUEL RESEARCH

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Golbal Tender Enquiry

निरीक्षण सं० / Enquiry No. CIMFR/PUR/9(102)2020/

दिनांक / Date: 15 .02.2021

सेवा में / To,

M/s Instantel,
309 Leggest Drive,
Ottawa, Ontario,
Canada, K2K 3A3,

e-mail: Steve.McSherry@sbdinc.com, Support@Instantel.com

Dear Sirs,

Sub.: Request for Quotation/offer for Light weight blasting seismographs.

You are requested to quote for the following items, sealed in double cover superscribing the outer cover with quotation for "**Light weight blasting seismographs**" against Enquiry No. CIMFR/PUR/9(102)2020 dated: 15.02.2021". Offer with complete details on the following should reach this office through E-mail/Postal Service IMMEDIATELY for further process.

SL. No.	Description of the material (s)	Qty.
01	<p>Light weight blasting seismographs for monitoring ground vibrations and air overpressure in high altitude region of hilly terrains. The seismographs shall have high event storage capacity for enabling long term deployment.</p> <p>Detailed specifications:</p> <ul style="list-style-type: none">• Microphone and triaxial geophones for simultaneous monitoring of ground vibrations and air overpressure with compatible compliance software module to analyze the blast events.• Digital sampling rate, operating temperature range as specified in ISEE performance specification for blasting seismographs, 2017.• Vibration measurement: frequency range, accuracy, density of sensor shall confirm ISEE, 2017.• Air overpressure measurement: frequency range, accuracy shall confirm ISEE, 2017.• Record mode: Waveform• Seismic trigger: 0.25 to 250 mm/s or better• Linear acoustic trigger: 100 to 140 dB or better <p>Physical specification:</p> <ul style="list-style-type: none">• Unit weight: $\leq \frac{1}{2}$ Kg• Weight of unit with geophone $\leq 1\frac{1}{2}$ Kg• Total weight with all accessories $\leq 3\frac{1}{2}$ Kg• Battery: Rechargeable Li-ion with backup of more than 1 week.• PC interface: USB• User interface: Touch screen• Facility for deleting selected events.• Manual entry of GPS coordinate into instrument and automatic entry of GPS co-ordinates into report.• Event Storage Capacity ≥ 4000 (events of one second)• The compliance software shall be compatible to windows 10 Operating System and shall display Indian geo-mining standards.	01 (One)