

UNIVERSITY OF CALCUTTA

DEPARTMENT OF ENVIRONMENTAL SCIENCE

35, BALLYGUNGE CIRCULAR ROAD, CALCUTTA-700019, INDIA



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Date: 18/03/2021

Enquiry No.: ENV/PC/DBT NER- BPM/INST/19-21/03

Dear Supplier,

Please send quotation for the Geotagged Digital Camera with following specifications indicating price and tax

No.	Specifications	Quantity
1	<p>Type: Single-lens reflex digital camera Image sensor size: 36x24mm Image sensor type: CMOS Total pixels: 25.28 million File format: NEF (RAW): 12 or 14 bit (lossless compressed or compressed) JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8), or basic (approx. 1:16) compression Card slot: 2 Secure Digital (SD) cards Eye point: 21 mm (-1.0 m(*1); from center surface of viewfinder eyepiece lens) Diopter adjustment: -3 to +1 m(*1) Reflex mirror: Quick return Speed: 1/8000 to 30 s); Bulb; Time; X200 Flash sync speed: X=1/200 s Approximate frame advance rate: Up to 7 fps CL: 1 to 6 fps (viewfinder photography); 1 to 3 fps (live view photography) CH: 7 fps; when shooting NEF/RAW pictures during silent photography, either 8 fps (bit depth 14 bits) or 12 fps (bit depth 12 bits) QC: 3 fps Metering system: Viewfinder photography: TTL exposure metering using RGB sensor with approximately 180,000 pixels Live view Range*: Matrix and center-weighted metering: -3 to +20 EV Spot metering: 2 to 20 EV Highlight-weighted metering: 0 to 20 EV * Figures are for ISO 100 and f/1.4 lens at 20 °C/68 °F Exposure meter coupling: CPU, AI Exposure compensation: -5 to +5 EV; -3 to +3 EV when filming movies (choose from step sizes of 1/3 and 1/2 EV) available in P, S, A, M, and EFCT modes Exposure lock: Luminosity locked at detected value ISO sensitivity ISO 100 to 51200; can also be set to approx. 0.3, 0.5, 0.7, or 1 EV (ISO 50 equivalent) auto ISO sensitivity control available Focus points: Viewfinder photography: 51 points with [All points] selected for, 11 points with selected Live view, 273 points with selected for Custom Setting a6 , 77 points with selected * Still photography, [FX (36x24)] image area, single-point AF Audio input/output: Stereo mini-pin jack (3.5mm diameter; plug-in power supported) Bluetooth: Bluetooth Specification Version 4.2 Bluetooth: 2402 to 2480 MHz Bluetooth Low Energy: 2402 to 2480 MHz Bluetooth: -2.6 dBm Bluetooth Low Energy: -4.1 dBm Operating environment: temperature: 0 °C to 40 °C (+32 °F to 104 °F) Humidity: 85% or less (no condensation) GPS- Device should support GPS either inbuilt or with a dedicated software for taking location data.</p>	1

Systems must be brand new, refurbished instruments will not be accepted

Please send the quotation along with the following documents

- Signed copy of current trade license
- Signed copy of current service tax registration certificate
- Signed copy of PAN Card
- Signed copy of manufacturer / sole or authorized distributor's certificate (If available) and others relevant documents

All the documents along with the quotation should reach the following address in sealed envelope within 7 days

Thanking you,

Yours sincerely

Punarbasa Chaudhuri

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Assistant Professor
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Date: 18/03/2021

Enquiry No.: ENV/PC/DBT NER- BPM/19-21/005

Dear Supplier,

Please send quotation for the following items indicating price and tax

No.	Name	Quantity
Glasswares		
1.	50 ml Culture tube (rimless)	100
2.	20 ml Culture tube (rimless)	100
3.	1000ml beaker	10
4.	500 ml beaker	10
5.	100 ml beaker	10
6.	250-ml beaker	10
7.	50 ml beaker	10
8.	25 ml beaker	10
9.	10 ml beaker	10
10.	Durham's tube	288
11.	Spirit lamp (full glass body)	3
12.	Glass petri dish (9 cm diam.)	50
13.	Pipette 10ml	5
14.	Pipette 5ml,	3
15.	Pipette 2ml,	2
16.	Pipette 1 ml	3
17.	Pipette 0.1 ml	5
18.	Reagent bottle100ml,	24
19.	Reagent bottle250 ml	24
20.	Measuring cylinder, 100ml	10
21.	Measuring cylinder, 50 ml	10
22.	Measuring cylinder, 25ml	10
23.	Measuring cylinder, 10ml	10
24.	1000ml Volumetric flask glass	2
25.	25ml, Volumetric flask glass 50ml	2
26.	10ml, Volumetric flask glass	5
27.	500ml Volumetric flask glass	5
28.	Separatory funnel with stand (glass)	2
29.	Burette 50ML	2
30.	Glass rod	2
31.	Mortar paste 3''	2
32.	Desiccator	1
33.	Micro pipette (100-1000ul)	1
34.	Micro pipette (20-200ul)	1
35.	Micro pipette (1-10ul)	1
Chemicals		
36.	500 ml Suprapur Nitric acid	1
Filter papers and accessories		
37.	Whatmann 41 ashless filter paper	2 box
38.	Whatmann 42 ashless filter paper	2 box
39.	Normal filter paper	3 box
40.	Disposable mask	2 box

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Date: 18/03/2021

Enquiry No.: ENV/PC/DBT NER- BPM/INST/19-21/05

Dear Supplier,

Please send quotation for the following probes along with accessories for Hanna HI9829 Multi parameter water analysis meter indicating price and tax.

No.	Item and Description	Quantity
1.	HI7609829-4-Conductivity and Turbidity Probe with accessories (HI7042S, HI76409A/P, HI 9829-16, HI3895, HI739-11)	1set each
2.	HI98107-pH probe with accessories (HI981030, HI7007L)	1set each
3.	HI98331 Direct EC and Temperature probe with accessories (HI7031L, HI98308, HI98304)	1set each
4.	HI98319 Salinity probe with accessories (HI98302)	1set each
5.	HI 739 Fluoride probe with accessories (HI 739-26, HI3895-010)	Probe-1 set Accessories-2 set

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Date: 18/03/2020

Enquiry No.: ENV/PC/DBT NER- BPM/INST/19-21/04

Dear Supplier,
Please send quotation for the following Water and Soil analysis kits with the following specifications indicating price and tax

SL No.	Description	Specification/Parameters of the kits	Quantity
1.	Water Analysis Kit	pH: Probe based (range 0.00 to 14.00, resolution 0.01pH), EC: Probe based (range 0 to 3999 μ S/cm, resolution 1 μ S/cm), TDS : Probe based (range 0 to 2000 mg/L, resolution 1mg/L) Dissolved oxygen: By Titration (range 0.00 to 10.00mg/L, resolution 0.1mg/L) Temperature: Probe based (range 0.0 to 60.0°C / 32.0 to 140.0°F, resolution 0.1°C / 0.1°F) Acidity: By Titration [range 0 to 100 mg/L CaCO ₃ ; 0 to 500 mg/L CaCO ₃ , Resolution: 1 mg/L ,5 mg/L] Alkalinity: By Titration [range 0 to 100 mg/L CaCO ₃ ; 0 to 300 mg/L CaCO ₃ , Resolution : 1 mg/L 3 mg/L] Ammonia: By Titration (Range 0.0 to 2.5 mg/L NH ₃ -N, resolution 0.5mg/L) Carbon Dioxide (range 0.0 to 10.0 mg/L CO ₂ ; 0.0 to 50.0 mg/L CO ₂ ; 0 to 100 mg/L CO ₂ , resolution 0.1 mg/L ; 0.5 mg/L ; 1 mg/L) Nitrate: Colorimetric method (range 0.0 to 1.0 mg/L NO ₂ ⁻ -N, resolution 0.2 mg/L) Phosphate: Colorimetric method (range 0 to 5 mg/L PO ₄ ³⁻ , resolution 1mg/L) Salinity By Titration (range 0.0 to 40.0 g/kg resolution 0.4 g/kg)	2
2.	Soil Analysis Kit	pH : Probe based (range 0.00 to 14.00, resolution 0.01pH), Conductivity: Probe based (range 0 to 3999 μ S/cm, resolution 1 μ S/cm) TDS : Probe based (range 0 to 2000 mg/L, resolution 1mg/L) Temperature: Probe based (range 0.0 to 60.0°C / 32.0 to 140.0°F, resolution 0.1°C / 0.1°F) Nitrate: Colorimetric method (range traces, low, medium, high) Phosphorus: Colorimetric method (range traces, low, medium, high) Potassium: Turbidimetric (range traces, low, medium, high)	2

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