

भारत सरकार/GOVERNMENT OF INDIA

पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय /MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

भारतीय प्राणि सर्वेक्षण /ZOOLOGICAL SURVEY OF INDIA

F. No. 4-122/2024-2025/Tech/208

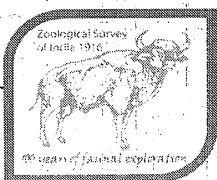
24 February 2025

## QUOTATION INVITATION FOR SUPPLY OF ITEMS UNDER DOM, MOES PROJECT

Quotations are invited from manufactures, authorized dealers or distributors for supply of equipment, laboratory and filed survey items for projects at Marine Biology Regional Centre (MBRC), Zoological Survey of India (ZSI), Chennai-28. The quotations can be submitted by e-mail or by post so as to reach the office of MBRC, ZSI, Chennai by 5.00 PM, 05th March, 2025. The requirement of actual number of items may change during the placement of final purchase order. The Officer-in-Charge, MBRC, ZSI, Chennai has the right to cancel the purchase process at any point of time without assigning any particular reason.

### IMPORTANT GUIDELINES FOR SUBMISSION OF QUOTES.

1. **Date of Advertisement:** 24/02/2025
2. **Last date of submission of Quotations:** 05th March, 2025, 5 PM.
3. **Mode of submission of quotation:** Online by e-mail ([bineesh.kk@zsi.gov.in](mailto:bineesh.kk@zsi.gov.in)) or by hard copy to Officer-in-Charge, Zoological Survey of India, Marine Biology Regional Centre, #130, Santhome High Road, Chennai-600 028. **All quotes should be marked respectively as mentioned in the remarks columns of each items. When quotations are submitted by email, scanned copy of the quotation in official letter head with signature, seal address and GST details of the supplier to be submitted.**
4. **Mode of evaluation of quotation:** Item wise evaluation (rate per item) based on quality and price of the product.
5. **GST:** 18% GST as per Govt. of India guidelines for supply of items for scientific institutions.
6. **Delivery address:** Zoological Survey of India, Marine Biology Regional Centre, #130, Santhome High Road, Chennai-600 028
7. **Contact Address:** Principal Investigator, DOM Project, Zoological Survey of India, Marine Biology Regional Centre, #130, Santhome High Road, Chennai-600 028.
8. **Billing Address:** Principal Investigator, DOM Project, Zoological Survey of India, Marine Biology Regional Centre, #130, Santhome High Road, Chennai-600 028.
9. **Contact person and phone number:** Dr. K. K. Bineesh (+91-9037611957).
10. **Contact E-mail:** [bineesh.kk@zsi.gov.in](mailto:bineesh.kk@zsi.gov.in), [kkbineesh@gmail.com](mailto:kkbineesh@gmail.com)



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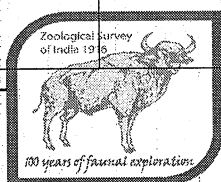
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| DETAILS OF ITEMS   |  |       |  |  |
|--|--|-------|--|--|
| Sl.no.   | Item name  | Units | Specifications   | Remarks  |
| <b>1. Stereo Microscope</b>  |  |       |  |  |
| 1.1  | Stereo Microscope with C-LEDS Hybrid LED Trans and Reflected Light Stand | 1     | The Microscope should have a 0.5x C-mount and 10x/22mm widefield adjustable eyepieces. It should feature a 7.5x zoom magnification with a total magnification range from 3.35x to 300x and a zoom range of 6.7x to 50x. It should have high-contrast, bright imaging with a total reflection prism and a working distance of 115 mm for convenient sample manipulation. Additionally, it should have a Hybrid LED Stand that allows both Episcopic and Diascopic observations with simultaneous illumination and easy adjustment.  | Super scribe the quotation/ e-mail subject line with "Microscope for DOM Project"                  |
| 1.2  | Digital Microscope with Endoscope  | 1     | Digital Microscope with Endoscope, 10.1 inch LCD Screen Soldering Microscope, 300X USB Electronic Microscope Camera for PCB Soldering, Coin Collection, Supports Windows PC. It should have High-quality metal lens and focusing barrel with Endoscope all-around view 360°. This digital microscope should have ultra-high definition 2160P Video Record, 10.1 inch IPS screen while supporting HDMI output, allows you to see a more microscopic world and free your eyes all the time. Also should have 8 Levels Adjustable LED Lights. It should convenient to operate from a long distance and supports functions such as image discoloration and digital zoom. | Super scribe the quotation/ e-mail subject line with "Digital Microscope for DOM Project"          |
| <b>2. Satellite transmitting tags with anti-fouling application.</b> |  |       |  |  |
| 2.1  | Satellite transmitting tags  | 5     | SPOT device should have temperature and wet/dry sensors, with a pressure rating of up to 2000 meters. The device should operate over a frequency of 401.678 MHz and have a temperature sensor range of -40°C to 60°C with a resolution of 0.05°C. The optimal storage temperature must be between 0°C and 5°C. The conductivity (wet/dry) operational limits should range from 0.1 to 5 S/m, depending on environmental conditions. The dimensions, including length, diameter, and weight, should be specified based on the available shapes. Additionally, the maximum deployment length must be provided.   | Super scribe the quotation/ e-mail subject line with "Satellite transmitting tags for DOM Project" |
| 2.2  | Anti-fouling applications.   | 5     | Should ensure long-term sensor performance in marine environments. Specify the options, effectiveness, and any additional maintenance requirements.  | Super scribe the quotation/ e-mail subject line with   |



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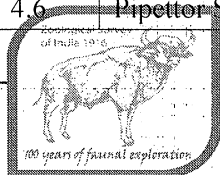
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|                                       |  |         |  |   |
|---------------------------------------|--|---------|--|---|
|                                       |  |         |  | “Satellite transmitting tags for DOM Project”   |
| <b>3. DNA extraction kit</b>          |  |         |  |   |
| 3.1                                   | Qiagen Kit/ DNeasy Blood & Tissue Kit          | 10      | Should capable of high-quality DNA extraction from blood, tissues, and cells. The kit should support PCR, qPCR, and genotyping applications, with an elution volume of 100–200 µl and processing time of 20 minutes to 1 hour. It must yield up to 6 µg of DNA from blood and 30 µg from tissue, ensuring a purity ratio (A260/A280) of 1.7–1.9. The extraction method should be silica-based and available in spin-column and 96-well formats. The kit must be stable for at least one year at 15–25°C. Additionally, details on automation compatibility are required. | Super scribe the quotation/ e-mail subject line with “DNA extraction kit for DOM Project” |
| <b>4. Chemicals and Plastic items</b> |  |         |  |   |
| 4.1                                   | Wide Mouth Bottle, PP with PP closure- 30 ml   | 6 packs | 582200   | Super scribe the quotation with “Chemicals and plastic items for DOM Project”             |
| 4.2                                   | Wide Mouth Bottle, PP with PP closure- 4000 ml | 12      | 582270   |   |
| 4.3                                   | Jerrican, HDPE with white PP closure – 5 lit   | 3       | 683210   |   |
| 4.4                                   | Jerrican, HDPE with white PP closure- 10 lit   | 2       | 683220   |   |
| 4.5                                   | Jerrican, HDPE with white PP closure-20 lit    | 1       | 683230   |   |
| 4.6                                   | Pipettor Stand                                 | 1       | 030080   |   |



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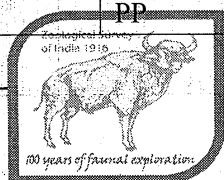
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|      |  |            |         |
|------|--|------------|---------|
| 4.7  | Universal<br>MICRO Tip<br>Box 0.2-10                                     | 4<br>pack  | 524052  |
| 4.8  | Universal<br>MICRO Tip<br>Box 2-200                                      | 4<br>pack  | 524053  |
| 4.9  | Universal<br>MICRO Tip<br>Box 200-<br>1000                               | 4<br>pack  | 524059  |
| 4.10 | PurePack<br>SPINWIN<br>Micro<br>Centrifuge<br>Tube, Sterile<br>0.5       | 24<br>pack | 500001  |
| 4.11 | PurePack<br>SPINWIN<br>Micro<br>Centrifuge<br>Tube, Sterile<br>1.5       | 24<br>pack | 500002  |
| 4.12 | PurePack<br>SPINWIN<br>Micro<br>Centrifuge<br>Tube, Sterile<br>2.0       | 24<br>pack | 500003  |
| 4.13 | Screw Cap<br>Tubes –<br>Sterile Self<br>standing<br>without knurl<br>2ml | 4<br>pack  | S530051 |
| 4.14 | KIM Wipes  | 4<br>pack  | 370080  |
| 4.15 | Self Standing<br>Centrifuge<br>Tube 50 ml                                | 1<br>pack  | 500043  |
| 4.16 | Float Rack,<br>PP  | 1<br>pack  | 240000  |



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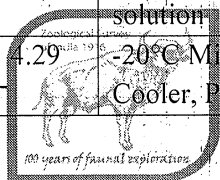
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| 4.17 | Rack for Micro Tube 0.5                               | 5 pack  | 241040 |
| 4.18 | Rack for Micro Tube 1.5                               | 5 pack  | 241060 |
| 4.19 | 96 Place Reversible Rack with Cover, PP               | 3 pack  | 241010 |
| 4.20 | Rack for Micro Tube, RPP                              | 1 pack  | 240010 |
| 4.21 | Micro Tube Box, PC/LDPE 0.2                           | 3       | 524040 |
| 4.22 | Micro Tube Box, PC/LDPE 0.5                           | 3       | 524060 |
| 4.23 | Micro Tube Box, PC/LDPE 1.5                           | 3       | 524070 |
| 4.24 | Cryo Cube Box, PP 50 place                            | 12 pack | 202060 |
| 4.25 | Cryo Cube Box, PP100 place                            | 12 pack | 202070 |
| 4.26 | Storage Boxes, SAN / LDPE                             | 1 pack  | 527070 |
| 4.27 | Quick Freeze, PC with Insulating solution             | 1       | 525040 |
| 4.28 | MAGICOOL PCR Mini Cooler, PP with Insulating solution | 3       | 241002 |
| 4.29 | -20°C Mini Cooler, PC                                 | 1       | 525030 |

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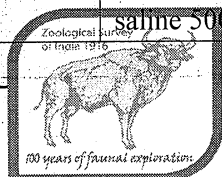


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|      |  |            |        |
|------|--|------------|--------|
|      | with Non toxic gel 12 places                       |            |        |
| 4.30 | -20°C Mini Cooler, PC with Non toxic gel 32 places | 1          | 526030 |
| 4.31 | Thermo Conductive Rack                             | 2          | 525340 |
| 4.32 | Ice Bucket with Lid, PUR 2.5 lit                   | 2          | 525150 |
| 4.33 | Parafilm M®  | 2 pack     | 380010 |
| 4.44 | Parafilm Dispenser                                 | 1          | 380000 |
| 4.45 | Tough Tags   | 2          | 500070 |
| 4.46 | Tough Tags   | 2          | 500085 |
| 4.47 | Multipurpose Labelling Tape                        | 2          | 680000 |
| 4.48 | PCR Workstation Rack                               | 5 packs    | 241000 |
| 4.49 | 5 ml Screw cap vials                               | 10,000     |        |
| 4.50 | 2 ml Screw cap vials                               | 2000       |        |
| 4.51 | 1.5 ml Screw cap vials                             | 2 packs    |        |
| 4.52 | 50 ml Screw cap vials                              | 2000       |        |
| 4.53 | Formalin 30 L                                      | 2          |        |
| 4.54 | Rotenone 5 L                                       | 1          |        |
| 4.55 | 1x Phosphate buffeted saline 500ml                 | 10 bottles |        |



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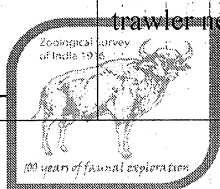
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|------|--------------------------------------|------------|--|--|
| 4.56 | Ethanol 500 ml                       | 20 bottles |  |  |
| 4.57 | Ethidium bromide 10 ml               | 1          |  |  |
| 4.58 | Conical flask                        | 2          |  |  |
| 4.59 | Distilled water 5 liter              | 1          |  |  |
| 4.60 | TAE buffer (Tris-acetate-EDTA) (50x) | 1 liter    |  |  |
| 4.61 | Agarose powder 500 g                 |            |  |  |

**5. Commercial fishing bottom trawler hiring and fishing**

|     |                           |   |  |   |
|-----|---------------------------|---|--|---|
| 5.1 | Trawler Boat Hiring       | 1 | Suitable boat size of up to 40 meters and engines with a power capacity of up to 591 HP for scientific operation. The vessel should be suitable for onboard scientific operations and provide accommodation for extended stays, including food provisions, bathroom facilities, and power sockets for at least five days. It must be capable of operating at depths ranging from 200 to 1000 meters.   | Super scribe the quotation/ e-mail subject line with "Trawler Boat Hiring for DOM Project"                      |
| 5.2 | Fishing rod & accessories | 2 | A durable, high quality fishing rod, which should be 6-7 feet long, with medium-heavy to heavy power and fast action to handle sturdy fishes. It must feature corrosion-resistant guides, a secure reel seat, and a non-slip ergonomic grip for prolonged use in humid conditions. The kit should include a high-capacity reel, braided or monofilament fishing line, hooks, swivels, sinkers, lures, a tackle box, and a protective carrying case. Please provide specifications, warranty details. | Super scribe the quotation/ e-mail subject line with "Commercial fishing bottom trawler hiring for DOM Project" |
| 5.3 | Bottom trawler net        | 2 | A bottom trawl net designed for demersal fishing operations along the Indian coastline. The net should have a head rope length between 39.6 to 81.0 meters and a foot rope proportionally longer to ensure an optimal opening. It must be constructed with a two-  | Super scribe the quotation/ e-mail  |



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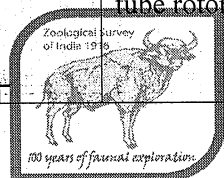
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|  |  |  | seam or four-seam design for efficient trawling. The netting material should be high-density polyethylene (HDPE) with extra abrasion resistance, suitable for targeting species like squids and cuttlefish. The ropes must be high-strength polyethylene or polypropylene to withstand operational stresses. Mesh sizes should be optimized for different sections, with a minimum codend mesh size of 40 mm to comply with sustainable fishing practices. The net should include spherical or oval HDPE floats for buoyancy, weighted sinkers for seabed contact, and hydrodynamically designed otter boards for maintaining the net's horizontal opening. Panels should be precisely cut and reinforced at high-stress points to enhance durability. The design must comply with Indian fisheries regulations and sustainability standards. Please provide a detailed quotation including itemized pricing, production timeline, warranty details, and after-sales support. | subject line with "Commercial fishing bottom trawler hiring for DOM Project" |
|--|--|--|---|--|

**6. Electronics**

|     |                                      |   |  |  |
|-----|--------------------------------------|---|--|--|
| 6.1 | Microwave oven                       | 1 | 21L convection microwave oven with features such as quick start, energy-saving mode, and adjustable cooking time. Must have an 800W power output, 1150W grill power consumption, and 1860W convection power consumption, with five power levels. It should include a concealed quartz heater for safety, a durable stainless steel cavity, keep-warm function, and a touch keypad for easy operation and cleaning. 1-year manufacturer warranty is required. | Super scribe the quotation/ e-mail subject line with "Microwave oven for DOM Project"    |
| 6.2 | Pedestal fan                         | 1 | 400mm pedestal fan with 3-5 or blades for enhanced airflow, 3-6 speed settings, upto 1350 rpm, 90-degree oscillation, and an adjustable height of up to 120 cm. It should have an energy-efficient motor, and low-noise operation. The fan must feature a sturdy base, jerk-free oscillation, and a safety grill for protection. A 1-year warranty is required.  | Super scribe the quotation/ e-mail subject line with "Pedestal fan oven for DOM Project" |
| 6.3 | Micro centrifuge with PCR tube rotor | 1 | A laboratory centrifuge with a minimum RCF of 2000 × g and a maximum speed of 6000 RPM. The unit should have a capacity of 8 × 1.5/2.0 ml tubes and operate within a permissible ambient temperature range of 5 to 40°C. It must function at noise levels below 55 dB and withstand relative humidity greater than 80%. It should have compact dimensions (162 × 157 × 116 mm) and a   | Super scribe the quotation/ e-mail subject line with                                     |



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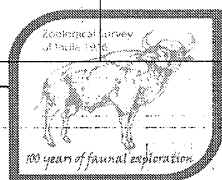


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|     |  |   | lightweight design (1.1 kg) for easy handling. It must support a power supply of 100-240V, 50/60Hz. Should come with a Suitable PCR tube rotor.  | “Micro centrifuge for DOM Project”  |
| 6.4 | Deep Freezer                                 | 1 | A single-Door 200-245 litre freezer with -10°C to -25°C temperature range, microprocessor-based digital controller, and direct cooling. It should have a galvanized steel body, polystyrene internal cabinet, lockable doors, and corrosion-resistant racks. Features must include low noise ( $\leq 60$ dB), energy use of 4.6 kWh/day, audible/visible alarms, and a power range of 190V-270V with a stabilizer. A 2-year freezer warranty and 5-year stabilizer warranty are required.  | Super scribe the quotation/ e-mail subject line with “Deep freezer for DOM Project”             |
| 6.5 | Convertible Freezer Double Door Refrigerator |   | A 236 L Convertible Freezer Double Door Refrigerator with a 3-star energy rating for efficient power consumption. The refrigerator features frost-free operation with an auto-defrost function to prevent ice build-up. It is equipped with a Digital Inverter Compressor for long-lasting performance and energy savings. The convertible feature allows the freezer to be converted into a fridge for additional storage flexibility. Designed with an elegant Inox finish, it includes toughened glass shelves that can withstand heavy loads. Additional features include a deodorizer to maintain freshness and a flexible rack for better organization. The product comes with a standard manufacturer’s warranty. Please provide a detailed quotation, including pricing, warranty coverage, and any available accessories or offers. | Super scribe the quotation/ e-mail subject line with “Refrigerator for DOM Project”             |
| 6.6 | Digital weighing balance                     | 1 | A digital weighing balance with a capacity of 6000g and 8000g, offering a readability of 0.1g and repeatability of $\pm 0.2$ g. The balance must have a linearity of $\pm 0.3$ g and a pan size of 210x260 mm. It should support a taring range up to full capacity with a response time of 3-5 seconds. The power requirement must be 90-250V, 50/60Hz, 10W, and it should operate efficiently in a temperature range of 10 to 45°C. Optional features should include an USB interface converter, ISO GLP compliance, real-time clock (RTC), weigh-below hook for density determination, SQC software for pharmaceutical industries, and a vacuum fluorescent display (VFD)..   | Super scribe the quotation/ e-mail subject line with “Digital weighing balance for DOM Project” |



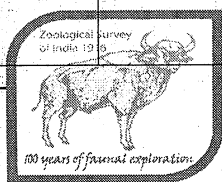
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| 6.7                              | Portable Petrol Generator | 1 | This generator should have dual type air cleaner and compression ratio of 8.5:1. Fuel Tank Capacity (L) is 12.5 and oil capacity is 0.55 L. It should have dimensions (L x W x H) of 710 x 482 x 570 & Continuous running hours of 6.9 hrs. 850 Watts. Fuel Gasoline; Out put wattage 750 Watts.   | Super scribe the quotation/ e-mail subject line with "Generator for DOM Project"              |
| <b>7. Camera and Accessories</b> |                           |   |  |   |
| 7.1                              | Digital camera            | 1 | A high-performance digital camera with a full-frame FX-format stacked CMOS sensor measuring 35.9mm x 23.9mm and an effective resolution of 45.7 megapixels for capturing highly detailed images. The camera must support multiple image area settings, including FX, DX, 1:1, and 16:9, with a maximum resolution of 8256 x 5504 pixels. It should be capable of recording 8K UHD video at 30p, 25p, and 24p, 4K UHD at up to 120 fps, and Full HD at 120 fps, with N-Log and HLG gamma profiles for wide dynamic range and professional post-production flexibility. The camera must feature an advanced autofocus system with 493 focus points and hybrid phase-detection/contrast AF for precise tracking and subject detection. A 5-axis in-body image stabilization system is required to minimize camera shake during handheld shooting. The electronic shutter should support speeds from 1/32,000 to 900 seconds, with continuous shooting speeds of up to 120 fps. The electronic viewfinder must have a 3690k-dot resolution, and the 3.2-inch tilting touchscreen LCD should provide user-friendly navigation. For storage, the camera must include dual CFexpress Type B card slots for high-speed data transfer. It should offer extensive ISO sensitivity, ranging from ISO 64–25,600, expandable up to ISO 102,400, and include advanced metering options, customizable picture controls, and a built-in voice memo function. Connectivity features must include Wi-Fi, Bluetooth, and GPS support via an external app. A durable, weather-sealed body is required for reliability in challenging environments. | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.2                              | 24-120mm f/4 S Lens       | 1 | A full-frame 24-120mm f/4 S lens, with FX-format zoom and a constant f/4 aperture. The lens should have Nano Crystal and ARNEO coatings for reduced glare and distortion. It must feature fast and silent autofocus, a minimum focus distance of 0.35m, and a 77mm filter thread. A weather-sealed construction is required for durability   | Super scribe the quotation/ e-mail subject line with  |



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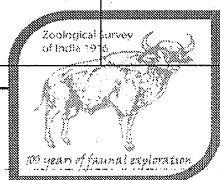
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|     |                                      |   |   | "Camera and Accessories for DOM Project"  |
| 7.3 | 180-600mm f/5.6-6.3 VR Lens          | 1 | A 180-600mm f/5.6-6.3 VR lens, offering a super-telephoto zoom range for wildlife and sports photography. The lens must include Vibration Reduction (VR) image stabilization, a minimum focus distance of 1.3m, and fast, quiet autofocus. It should have a fluorine-coated front element, a 95mm filter thread, and a weather-resistant build.   | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.4 | EN-EL18d Rechargeable Li-ion Battery | 1 | We require the Nikon EN-EL18d Rechargeable Li-ion Battery with the following specifications: a voltage of 10.8V, capacity of 3,300mAh (35.64Wh), and dimensions of 83mm x 57mm x 27mm, weighing approximately 160g. This battery is must compatible with Nikon Z 9. It must be charged using the MH-33 battery charger. Please provide a detailed quotation, including pricing, warranty terms, and availability. | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.5 | Tripod Kit                           | 2 | A quality tripod kit made of aluminum, with a maximum height of 183 cm and a minimum height of 9 cm. It should support a payload of up to 12 kg and include a 3-way pan-and-tilt head with flip-lock leg adjustments. The tripod must feature four bubble spirit levels, 360° panoramic rotation, and a quick-release plate.  | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |



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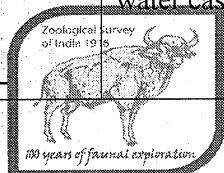
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| 7.6 | Trolley Backpack                   | 2 | A trolley backpack designed for carrying camera gear and accessories. The bag must fit up to six lenses, a 14" laptop, and a tripod. It should have multiple compartments, rain cover protection, durable zippers, and convertible backpack straps for easy carrying.   | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.7 | Action Camera                      | 4 | A action camera featuring 4K and 5.3K video recording, a 12MP sensor, and HyperSmooth stabilization. It must be waterproof up to 10m, with a removable 1900mAh Enduro battery, dual displays (2.27" rear touchscreen and 1.4" front screen), and USB-C connectivity. The camera should support microSD cards with UHS-3 rating and have a built-in folding mount.   | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.8 | Action Camera Battery with Charger | 4 | We require a Battery with Charger designed for optimal performance and extended battery life in extreme conditions. The 1900 mAh Enduro battery is compatible with Action camera, offering over 1.5 hours of continuous recording at 5.3K30 and more than 2.5 hours at 1080p30. It is built to withstand cold temperatures as low as -10°C (14°F), ensuring reliable operation in harsh environments. The dual battery charger allows simultaneous charging of two batteries, featuring LED indicators for charging status and a USB-C cable for versatile charging options. It efficiently charges two 1720mAh lithium-ion batteries to full capacity in approximately 10 hours with a 1.0 amp USB power source. Please provide a detailed quotation, including pricing, warranty terms, and availability. | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.9 | Action Camera under water case     | 4 | An underwater housing compatible with the action camera. The housing must provide waterproof protection up to 60 meters (196 feet), ensuring safe operation during deep-sea dives. It should feature a flat glass lens to deliver sharp and clear images both above and below water. The design must allow access to the front LCD  | Super scribe the quotation/ e-mail  |



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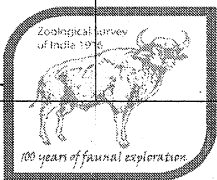
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|      |  |   | screen for easy viewing and include a skeleton backdoor to retain touchscreen functionality and enable high-quality audio capture. Durability is essential, with the housing offering protection against mud, dirt, and debris during extreme activities. The package should include the protective housing, skeleton backdoor, mounting buckle, and thumb screw. Please provide a detailed quotation, including pricing, warranty terms, and availability.   | subject line with "Camera and Accessories for DOM Project"                                    |
| 7.10 | Underwater Camera                        | 2 | A rugged underwater camera, featuring a 12MP sensor, True Pic VIII processor, and C4K video recording. It must be waterproof up to 15m, freeze proof, dustproof, and shockproof. The camera should include sensor-shift image stabilization, Wi-Fi and GPS connectivity, and a 3.0" LCD screen.   | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.11 | Waterproof case                          | 1 | We require a waterproof case designed for underwater photography, offering a depth rating of at least 45 to 60 meters for deep-sea exploration. The housing must provide full access to all camera controls, including exposure adjustments and zoom functions. It should be constructed from durable polycarbonate or ABS plastic for impact resistance and longevity. The case must support external strobes, fiber-optic connections, and additional lens attachments via a 52mm or 67mm threaded port. Essential features include a dual-layer waterproof seal, inbuilt leak detection sensor, and compatibility with multi-flash setups. Please provide a detailed quotation, including pricing, warranty terms, and included accessories. | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.12 | Mirrorless camera with 18-150mm Lens Kit |   | A mirrorless camera with a 32.5MP APS-C CMOS sensor and DIGIC X processor. It should have in-body image stabilization (IBIS), ISO 100-32,000, and support 4K UHD video recording. The camera must include dual SD card slots, a 7.62cm (3.0") vari-angle touchscreen LCD, and 651 autofocus points. The kit must include the 18-150mm lens for versatile shooting.  | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |



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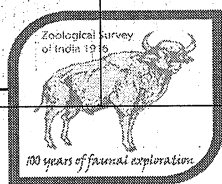
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| 7.13 | mirrorless camera RF 100 mm f/2.8L Macro IS USM Lens     |   | A 100mm f/2.8L Macro IS USM lens, featuring 1.4x magnification, a fast f/2.8 aperture, and 9 diaphragm blades. It must have Hybrid IS stabilization, Nano USM autofocus, and weather-sealed construction for durability.  | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.14 | Camera Memory Card (256 GB)                              | 4 | A 256GB SDXC UHS-I memory card suitable for high-resolution photography and 4K UHD video recording. The card should have a minimum write speed of 30 MB/s (U3, V30) and a maximum read speed of at least 200 MB/s.  | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.15 | Camera Underwater Housing (for cannon EOS R7 & Nikon Z9) | 2 | We require underwater housings for the Canon EOS R7 and Nikon Z9, suitable for deep-sea exploration (60-100m depth). The housings must be durable, made of high-grade aluminum or corrosion-resistant polycarbonate, and offer full camera control, ergonomic design, and interchangeable lens ports. The R7 housing should support RF and EF lenses, while the Z9 housing must accommodate Z-mount and F-mount lenses. Both should include a vacuum leak detection system, secure locking, a clear monitoring window, and strobe compatibility via a bulkhead connector. | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.16 | Security camera  | 6 | We require a 1080p Full HD security camera with AI-powered person detection, motion tracking, and 360° horizontal & 130° vertical coverage. It must have infrared night vision (up to 98 ft), IP65 weatherproofing for outdoor use, and multiple mounting options. Storage should support microSD (up to 512GB) and cloud   | Super scribe the quotation/ e-mail  |



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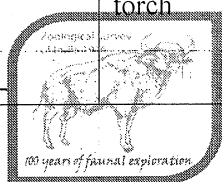
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|      |  |   | storage. Essential features include a customizable sound alarm, physical privacy mode, and two-way audio.   | subject line with "Camera and Accessories for DOM Project"                                    |
| 7.17 | Underwater camera with lighting system | 1 | An underwater camera and lighting system with a 500-meter depth rating and an operating time of over 2 hours. The construction must use marine-grade anodized aluminum and high-strength acrylic, featuring a double O-ring sealed housing for waterproof integrity. The camera system should provide Full HD (1920x1080) resolution at 30/60 FPS with a high-sensitivity CMOS sensor optimized for low-light conditions. It must support H.264/H.265 video compression and dual recording with storage options of dual microSD (512GB each) or SSD-based storage. The lighting system should include four high-intensity LED lights, each with a brightness of 1500 lumens (total 6000 lumens), a color temperature of 5000K-6000K, and adjustable brightness control. The power system should feature a high-capacity rechargeable lithium-ion battery pack with 2+ hours of runtime. Additional requirements include shockproof housing for impact resistance, USB-C and Ethernet ports for high-speed data transfer, and Wi-Fi/Bluetooth for surface-level data retrieval (out of water). | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.18 | Ring flash                             | 1 | A camera flash unit with a guide number of 39.4' (12m) at ISO 100 and a flash duration range of 1/200 to 1/5000 second. It should have a recycle time of approximately 0.1 to 2 seconds and support manual exposure control. The unit must operate on 4x AA batteries, be compatible with an external power pack, and provide a color temperature of 5800K. It should feature a shoe mount, a built-in display, and compatibility with 49mm, 52mm, 55mm, 58mm, 62mm, 67mm, 72mm, and 77mm filter threads via an included adapter ring. The dimensions should be 132.0 x 132.0 x 32.0 mm for the ring and 116.0 x 71.0 x 48.0 mm for the controller, with a total weight of 370g (13.1 oz).  | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.19 | Underwater torch                       | 3 | An underwater torch with a depth rating of 328 feet, featuring a 395nm ultraviolet LED designed for coral and sea life fluorescence. The torch should have an adjustable beam angle between 12° and 100° and a runtime of approximately 4 hours. It must be powered   | Super scribe the quotation/ e-mail  |



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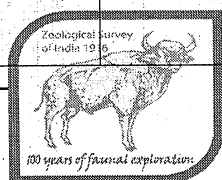
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|      |  |   | by a rechargeable 18650 battery and include a charger with a USB cable. Please provide a detailed quotation, including pricing, warranty, and availability.   | subject line with "Camera and Accessories for DOM Project"                                    |
| 7.20 | Underwater torch   | 3 | The LED with output levels of 130, 325, 650, and 1300 lumens, offering a runtime of 2 to 20 hours. It must have a narrow 10° spot beam for focused exploration and a 6500K color temperature. The torch should be constructed from durable aluminum alloy, with a tempered optical glass lens, side-mounted push-button switch, and color-coded battery indicator. It must be depth-rated to 328 feet and include a roll-top dry bag, lanyard, 18650 rechargeable lithium-ion battery, battery charger, and a limited 1-year manufacturer warranty. | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.21 | Electronic Automatic Digital Control Dry Cabinet Storage (120 L) | 1 | An Electronic Automatic Digital Control Dry Cabinet Storage with a 120L capacity for humidity-controlled storage. The unit must have 6 compartments and feature an LCD Dual LED display for monitoring temperature and humidity, with automatic humidity control. It should operate on a 110-220V power supply and have dimensions of W380 x D390 x H1015 mm, with a total weight of 20 kg. Please provide a detailed quotation, including pricing, warranty, and availability.   | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.22 | Rechargeable flashlight  | 2 | A rechargeable flashlight with a 600-meter beam distance and 1000 lumens brightness. It must offer a runtime of up to 50 hours and include a battery status indicator for monitoring power levels. The flashlight should feature six light modes, including strobe and SOS functions for emergency use.   | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |



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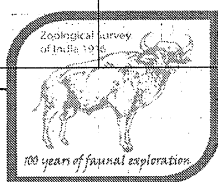
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| 7.23 | Headlamp           | 2 | Powered by 4x AA alkaline batteries, with a 550-meter beam distance and 550-lumen light output. It must feature three light modes, including spot, wide beam, and distance dimming, for versatile illumination. The total weight should be 350 grams for easy handling.   | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |
| 7.24 | Rechargeable torch | 1 | A rechargeable torch with a 2000-lumen output and a 400-meter wide beam distance. It must provide a runtime of up to 57 hours and include a battery status indicator for monitoring power levels. The torch should feature a transportation switch lock for safety and be powered by a high-capacity 5000mAh Lithium-Ion battery. | Super scribe the quotation/ e-mail subject line with "Camera and Accessories for DOM Project" |

**8. SCUBA kit and accessories**

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| 8.1 | BCD kit | 2 | <p><b>BCD:</b>ResisteKTM material, Backpack Handle, Octo Pockets, Pull Dump, Additional Dump option, Adjustable chest strap, petite and Sweet, weight:1.59 Kg</p> <p><b>Regulator 1st Stage:</b> Compact, High-Flow Piston Technology, Intuitive Design, Second filter, Prevents water retention, shock proof, Mechanism: In line, Maximum working: Pressure 232 bar, ACD system: Transformation kit available, Number of HP ports:1, Number of MP ports: 4, Body:Marine brass, chrome plated, Spring: Stainless steel, O-ring:EPDM</p> <p><b>Regulator 2nd Stage:</b> Soft mouth piece, Reusable clip, Venturi Knob, Polyurethane purge cover, Freeflow prevention, Easy maintainable, Mschanism: Demad valve, Venture adjustment knob:</p> | Super scribe the quotation/ e-mail subject line with "SCUBA kit and accessories for DOM Project" |
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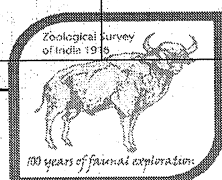
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|     |               |   |   |  |
|-----|---------------|---|---|--|
|     |               |   | <p>yes, Box botton, deflector, Venturi vane:ABS, Purge cover: polyurethane, Mouthpiece, Exhaust valve, Diaphragm: Silicone.</p> <p><b>Octopus:</b> Product Dimensions : 7 x 7 x 5 inches (17.8 x 17.8 x 12.7 cm); 2 Pounds (910 grams), product weight : 910 grams, Purge cover: polyurethane, Mouthpiece, Exhaust valve, Diaphragm: Silicone.</p> <p><b>Termo Pressure+ Depth Gauge</b></p> <p>Pressure Gauge-Easy to read scale upto 5,000 PSI / 350 bar rated. Luminescent gauge face for easy reading in low light. Shock resistant Bourdon tube. One way safety valve. Hose length is 36"/91.44cm.</p> <p>Depth Gauge-High fidelity depth scale provides accurate and easier reading at shallow depth. The strap is designed to fit a variety of wrist sizes and wet/dry suit diameters. Maximum depth indicator. Luminescent gauge face for easy reading in low light. 200 foot/60-meter maximum depth.</p> |  |
| 8.2 | Belt          | 2 | <p>Item Dimensions: LxWxH- 5 x 5 x 2 inches, Material- Nylon, Size- 60" long</p>  | Super scribe the quotation/ e-mail subject line with "SCUBA kit and accessories for DOM Project" |
| 8.3 | Weight (1 Kg) | 4 | Material- Lead  | Super scribe the quotation/ e-mail subject line with "SCUBA kit and accessories for              |



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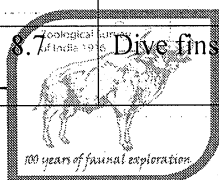
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|     |               |   |  | DOM Project"   |
|-----|---------------|---|--|--|
| 8.4 | Weight (2 Kg) | 4 | Material- Lead   | Super scribe the quotation/ e-mail subject line with "SCUBA kit and accessories for DOM Project" |
| 8.5 | Dive mask     | 2 | High impact polycarbonate frame for durability and strength. Single lens tempered glass with Anti-Fog Coating. High quality, Hypo allergic & double feathered edge Soft Silicone Skirt. High quality, Hypo allergic silicon skirt. Non-slip strap and easy adjust buckles. Flexible and easy-to-reach nose pocket. | Super scribe the quotation/ e-mail subject line with "SCUBA kit and accessories for DOM Project" |
| 8.6 | Snorkel       | 5 | Dry Snorkel type. Splashguard design to restrict water from entering the barrel. Efficient purge valve and comfortable mouthpiece.   | Super scribe the quotation/ e-mail subject line with "SCUBA kit and accessories for DOM Project" |
| 8.7 | Dive fins     | 4 | Versatile fit with self-adjusting bungee heel strap. Open Heel design. Power in any water condition. Foot pocket comfortably fit   | Super scribe the   |



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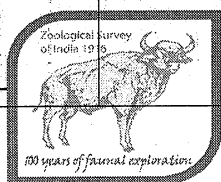
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|     |                       |   |  |  |
|-----|-----------------------|---|--|--|
|     |                       |   | booties and preferably made with thermoplastic elastomers or silicone. Extremely lightweight. High performance. Blade: Elastic Techno polymer (polypropylene, thermoplastic rubber, etc...) blade.   | quotation/<br>e-mail<br>subject<br>line with<br>"SCUBA<br>kit and<br>accessorie<br>s for<br>DOM<br>Project"                        |
| 8.8 | Dive Booties          | 6 | Thickness- Min 3 mm. YKK Side Zipper type closure. Material preferred – Super Elastic Neoprene and Ultra Durable Nylon. Sturdy Rubber Sole for grip.& protection and flexible for comfort. Double-Glued and Blind-Stitched Seams. Rubber Heel and Toe Cap. Extra padding in the sole and around the ankle for cushioning.  | Super<br>scribe the<br>quotation/<br>e-mail<br>subject<br>line with<br>"SCUBA<br>kit and<br>accessorie<br>s for<br>DOM<br>Project" |
| 8.9 | Depth tracking device | 2 | We require a depth tracking device with water depth readings from 1.5 to 300 feet (0.5 to 90 meters) and the ability to measure water and air temperature. The unit should have 300 watts of sonar transmit power and utilize 200 kHz DepthTrax® Intelligent Sonar with a 14° beam angle for accurate readings. It must feature Inductive Switching Technology (IST), making it 100% waterproof up to 200 feet (61 meters) for diving. The device should include a SoftGlow™ backlit display, automatic depth range adjustment, and an integrated lanyard for convenience. It must display temperature readings in °F or °C and come with a 2-year warranty. | Super<br>scribe the<br>quotation/<br>e-mail<br>subject<br>line with<br>"SCUBA<br>kit and<br>accessorie<br>s for<br>DOM<br>Project" |

**9. Computer and appliances**

|     |   |   |  |  |
|-----|---|---|--|--|
| 9.1 | Laptop with wireless keyboard and mouse | 1 | A 14" laptop with M4 Pro or M4 Max chip for high-performance computing. It must feature a 14.2" Liquid Retina XDR display with 1,600 nits peak brightness, 1,000 nits sustained brightness, and a 10,00,000:1 contrast ratio. The laptop should offer up to 22 hours of battery life, three Thunderbolt 5 ports, MagSafe 3, an SDXC card slot, HDMI, and a headphone jack. It must support up to two external displays with M4 Pro and up to four with M4 Max. | Super<br>scribe the<br>quotation/<br>e-mail<br>subject<br>line with<br>"Compute<br>r and |
|-----|---|---|--|--|



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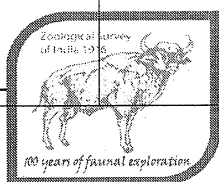
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|-----|---|---|---|--|
|     |   |   | studio-quality microphones, six speakers with Spatial Audio, and Dolby Atmos support. It should be optimized for macOS, ensuring seamless integration with Apple devices. Privacy features like Find My, FileVault encryption, and built-in virus protection are essential.   | appliance s for DOM Project”   |
| 9.2 | Laptop with wireless keyboard and mouse   | 1 | A high-performance laptop with Intel® Core™ Ultra 7 155H Processor (E-cores up to 3.80 GHz, P-cores up to 4.80 GHz), Windows 11 Home Single Language 64 operating system, and integrated Intel® Arc™ Graphics. The device should include 32GB LPDDR5X-7467MT/s (soldered) memory and 1TB SSD M.2 2242 PCIe Gen4 TLC storage. The display must be a 35.56cm (14") WUXGA (1920 x 1200) OLED panel with glare protection, HDR 500, 100% DCI-P3 color accuracy, 400 nits brightness, 60 Hz refresh rate, and low blue light technology. It should come with a 65W AC adapter, ClickPad pointing device, and a backlit Luna Grey keyboard (English-US). Connectivity requirements include Wi-Fi 6E 2x2 AX and Bluetooth® 5.1 or above. The laptop should have a 1-year PremiumCare warranty and come preloaded with Office Home 2024 software. | Super scribe the quotation/ e-mail subject line with “Compute r and appliance s for DOM Project” |
| 9.3 | Computer with wireless keyboard and mouse | 1 | A high-performance desktop setup with the following specifications: a 32-inch display, Intel Core i7-13700 processor, 16GB RAM, and 512GB SSD storage. The system must run on Windows 11 Pro and include a wireless keyboard and mouse. A 3-year warranty is essential for reliable after-sales support. Please provide a detailed quotation, including warranty terms and any additional accessories.  | Super scribe the quotation/ e-mail subject line with “Compute r and appliance s for DOM Project” |
| 9.4 | Tablet                                    | 1 | A high-performance tablet with 11-inch Liquid Retina display featuring ProMotion technology and True Tone for exceptional visual clarity, powered by the Apple M4 chip with a 9-core CPU and 10-core GPU for robust performance. The device should include 256GB of storage and 8GB of RAM to handle intensive applications efficiently. It must support Wi-Fi connectivity and come in a sleek Space Black finish. The tablet should also offer a battery life of up to 10 hours for web browsing or video playback. Please provide a detailed quotation, including warranty terms, availability, and any additional accessories.  | Super scribe the quotation/ e-mail subject line with “Compute r and appliance s for DOM Project” |



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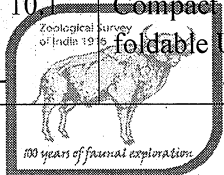
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|      |                                 |   |  |  |
|------|---------------------------------|---|--|--|
| 9.5  | Monochrome laser printer        | 2 | A monochrome laser printer with print, scan, and copy functions is required, offering 22 ppm print speed, automatic duplex printing, and a 250-sheet input tray. It must have built-in Ethernet, dual-band Wi-Fi, and USB connectivity, with toner reload capability supporting up to 5000 pages. The device should be compatible with the HP Smart App and secure printing features.                    | Computer and appliances for DOM Project" |
| 9.6  | DLP laser projector             | 1 | A DLP laser projector is required with 4000 ANSI lumens brightness, 1920x1080 resolution, and a contrast ratio of 3,000,000:1. It must support SmartEco mode for power saving, 2D keystone correction, and USB Type-C connectivity. The projector should have a 10W built-in speaker, a durable laser light source lasting up to 20,000 hours, and corner-fit adjustment for flexible placement.         | Computer and appliances for DOM Project" |
| 9.7  | Conference room laser projector | 1 | A conference room laser projector is required with 5000 ANSI lumens brightness, 1920x1200 WUXGA resolution, and a contrast ratio of 3,000,000:1. It must have manual lens shift, 2D keystone correction, and LAN control compatibility. The unit should feature multiple connectivity options including HDMI, USB Type-A, and RJ45 LAN, with a built-in 10W speaker and a 20,000-hour light source life. | Computer and appliances for DOM Project" |
| 9.8  | External Hard Drive (1 TB)      | 2 | A 1 TB external portable hard drives with USB 3.0 or higher interfaces for fast data transfer rates. The drives should be compatible with both Windows and macOS systems and come pre-formatted accordingly. Compact dimensions and lightweight design are preferred for portability.  | Camera and Accessories                   |
| 9.9  | External Hard Drive (2 TB)      | 2 | A 2 TB external portable hard drives with USB 3.0 or higher interfaces for fast data transfer rates. The drives should be compatible with both Windows and macOS systems and come pre-formatted accordingly. Compact dimensions and lightweight design are preferred for portability.  | Camera and Accessories                   |
| 9.10 | External Hard Drive (4 TB)      | 2 | A 4 TB external portable hard drives with USB 3.0 or higher interfaces for fast data transfer rates. The drives should be compatible with both Windows and macOS systems and come pre-formatted accordingly. Compact dimensions and lightweight design are preferred for portability.  | Camera and Accessories                   |
| 9.11 | USB Flash Drive 256GB           | 5 | A 256GB USB 3.1 Gen 1 flash drive with a minimum read speed of 200 MB/s. The drive should have a compact and durable design, suitable for everyday use.  | Camera and Accessories                   |

**10. Drones and ROV's**

|      |                      |   |   |                   |
|------|----------------------|---|---|-------------------|
| 10.1 | Compact foldable UAV | 1 | A compact foldable UAV with a 249g takeoff weight, 48MP 1/2.3" CMOS sensor, and 4K/30fps video recording. It must feature intelligent flight modes, GPS positioning, level 7 wind resistance. | "Drones and ROV's |
|------|----------------------|---|---|-------------------|



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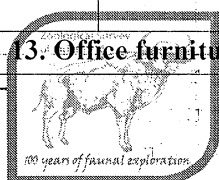
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|  |                                    |   | and a 30-minute flight time. Additional requirements include voice and somatosensory control, one-throw flight mode, and FPV virtual flight simulator.   | for DOM Project”  |
| 10.2                                     | Remotely operated underwater robot |   | A remotely operated underwater robot with the following specifications: a depth rating and operating depth of 100 meters, with a 100-meter tether length. The propulsion system should include six thrusters for six degrees of freedom control. The structure must be made of lightweight, corrosion-resistant aluminum, with an electronics enclosure of cast acrylic tube for waterproof protection. It should have a 3-axis accelerometer, gyroscope, and magnetometer for motion detection, orientation control, and heading determination, along with a pressure sensor for depth measurement. The robot must feature a full HD low-light camera for clear underwater visibility, supported by two 1500-lumen lights for illumination. The control system should include a joystick-based interface with a live video feed displayed on a laptop, auto-hold functionality for depth and position, and real-time video recording capability. The power system must have an onboard battery providing at least 2 hours of operation. | Super scribe the quotation/ e-mail subject line with “Drones and ROV’s for DOM Project” |
| <b>11. Digital Vernier Caliper</b>       |                                    |   |  |   |
| 11.1                                     | Vernier Calliper (150 mm)          | 1 | This digimatic caliper allows you to take reliable measurements with overall length of 233 mm with measurement range of 0 - 152.4 mm and 0.01 mm resolution. AOS (Advanced Onsite Sensor) induction type encoder used in top-of-the-line ABS coolant-proof calipers. Measures 0 to 6" (0 to 150mm) in 0.0005" (0.01mm) increments for precision use. Digital readout LCD shows inch or metric units for versatility when measuring.  | Vernier Caliper for DOM Project”  |
| 11.2                                     | Vernier Calliper (300 mm)          | 1 | This vernier caliper should have four-way measurement capability for multiple applications: outside diameter (OD), inside diameter (ID), depth, and step. It should have a measurement length of 0 - 304.8 mm, overall length of 404 mm and 0.01 mm resolution. It features Origin-set, Zero-set, Inch/mm, Automatic, Data Output, Low Voltage alarm, Counting Value Composition Error alarm.  | Vernier calliper for DOM Project”   |
| <b>12. Website designing and hosting</b> |                                    |   |  |   |
| 12.1                                     | Website designing and hosting      | 1 | This aims to establish and develop a sleek, professional design, user-friendly website that will highlight major protective species and facilitate easy exploration of the diverse marine and freshwater ecosystems in the country, ensuring all information is easily accessible on the website. The key features will be the easy accessibility, mobile friendly and content modification dynamically.   | Website designing and hosting for DOM Project”  |
| <b>13. Office furniture</b>              |                                    |   |  |   |

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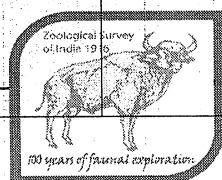
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|------|----------------|---|---|-----------------------------------|
| 13.1 | Tables         | 2 | The table should be polished and base material of engineered wood with minimum dimensions of 51D x 89W x 76H Centimeters. It should come with side drawers and lockers-for storage.   | Office furniture                  |
| 13.2 | Sofa           | 1 | The sofa should be of good quality and should contain high density foam. It should have length-191 cm, width- 87 cm and height- 92 cm with a seating capacity of three people.  | Office furniture                  |
| 13.3 | Visiting Chair | 3 | It is a sophisticated and functional seating solution that seamlessly should combine style with comfort. This chair is meticulously designed to cater to the demands of both office and study environments, offering users a supportive and ergonomic seating experience. The mid-back design provides essential lumbar support, promoting a healthy posture during long hours of work. | Office furniture for DOM Project” |
| 13.4 | Computer Chair | 4 | Office Chair with Arms, Tilt Mechanism, Heavy Duty Metal Base, Adjustable Lumber Support & Adjustable Headrest Made for long hours at the desk - this chair should provide superior comfort and support, allowing you to maintain proper posture throughout the workday.  | Office furniture for DOM Project” |
| 13.5 | Lab chair      | 3 | It should have dimension (lxwxh) of 45 x 48 x 60 cm providing back support and comfort and should have moveable wheels.   | Office furniture                  |

**14. Multichannel Pipette**

|      |                      |   |   |   |
|------|----------------------|---|---|---|
| 14.1 | Pipette Multichannel | 1 | With its multichannel configuration, the FinnPipette F2 allows for the simultaneous transfer of liquids across multiple wells or tubes, making it ideal for applications such as high-throughput screening and PCR setup. It should have volume of 10-100ul and 8 number of channels. Built with durable materials, the FinnPipette F2 should ensure longevity and reliability, even in high-throughput laboratory environments. the volume settings for each channel should display in a color-coded format, allowing for quick and easy identification of the selected volumes, streamlining the pipetting process. Equipped with a volume locking mechanism, the pipette should prevent unintentional changes to the set volumes during pipetting, maintaining data integrity. | Super scribe the quotation/ e-mail subject line with “Multichannel pipette for DOM Project” |
|------|----------------------|---|---|---|

**15. E-DNA equipments and accessories**

|      |               |   |  |  |
|------|---------------|---|--|--|
| 15.1 | water sampler | 1 | Mounting: Cable clamps are for cable diameters up to and including 6.4mm (1/4").<br>Material: Non-metallic construction of PVC tube section, end stoppers, handles and cable clamp blocks. Delrin stopcocks, air vent screws and push rod. Stainless steel cable clamps. End stopper closure band of latex tubing. Buna-N O-ring seals. Nylon monofilament lanyards.<br>End Closure: Stopper with spherical section sealing surface held firmly against O-ring seal by internal latex tubing.<br>Drainage: Thumbscrew air vent at top. Stopcock at base: 4.7mm | Super scribe the quotation/ e-mail subject line with “E-DNA equipments and accessories |
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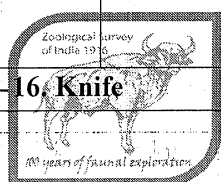


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|      |                                       |   |  |   |
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|      |                                       |   | (.187") diameter.  | s for<br>DOM<br>Project"  |
| 15.2 | Motor<br>filtration unit              | 1 | Material is mixed cellulose esters (MCE) membrane plain filter or white filter.<br>Parameter: 4 L/min-cm <sup>2</sup> air flow rate 60mL/min-cm <sup>2</sup> water flow rate 75 °C max. temp.<br>Pore size: 0.45 µm pore size;<br>79 % porosity<br>Capacity:160 µg/cm <sup>2</sup> adsorption capacity (insulin)   | Super<br>scribe the<br>quotation/<br>e-mail<br>subject<br>line with<br>"E-DNA<br>equipmen<br>ts and<br>accessorie<br>s for<br>DOM<br>Project" |
| 15.3 | E-dna<br>sampling<br>Solenoid<br>Pump | 1 | It should be a light portable, battery operated pump of 10 bar pressure (battery not included) used to collect eDNA samples in the field. This low lift pump (max 1 m:3 feet) pulls water from the water body, through the eDNA filter, trapping it in the filter.   | Super<br>scribe the<br>quotation/<br>e-mail<br>subject<br>line with<br>"E-DNA<br>equipmen<br>ts and<br>accessorie<br>s for<br>DOM<br>Project" |
| 15.4 | Nylon disk                            | 1 | Nylon discs for environmental DNA (eDNA) filtration with the following specifications: monomer-cast nylon material, 30 cm diameter, and 4 cm thickness. The disc should have drilled flow lines with 11 mm diameter holes for efficient water passage and be designed to support filter membranes in eDNA filtration systems. It must be durable, wear-resistant, and suitable for repeated use in various aquatic environments. These discs will be integrated into our eDNA filtration apparatus to enhance the efficiency and reliability of environmental DNA collection. Please provide a detailed quotation, including unit pricing, bulk order discounts, warranty terms, and availability. | Super<br>scribe the<br>quotation/<br>e-mail<br>subject<br>line with<br>"E-DNA<br>equipmen<br>ts and<br>accessorie<br>s for<br>DOM<br>Project" |



16. Knife

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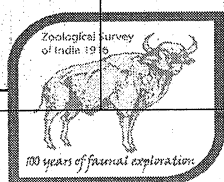
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भारत सरकार/GOVERNMENT OF INDIA

पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय /MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

भारतीय प्राणि सर्वेक्षण /ZOOLOGICAL SURVEY OF INDIA

|                                  |              |   |   |  |
|----------------------------------|--------------|---|---|--|
| 16.1                             | Knife        | 2 | We require a durable knife with a 160mm Moly-Vanadium stainless steel blade for precision and longevity. The handle should be 100mm in length, made from green ABS scale material for a secure grip. The knife must come with a nylon plastic sheath for safe storage and transport. Dimensions should be Item Height: 20mm, Item Length: 13cm, and Item Width: 20mm. Please provide a detailed quotation, including pricing, warranty, and availability.   | Super scribe the quotation/ e-mail subject line with "Knife for DOM Project"                 |
| <b>16. Trolley and backpacks</b> |              |   |   |  |
| 16.1                             | Rucksack Bag | 2 | A 60-liter capacity rucksack with dimensions of 23 cm (W) x 74 cm (H) x 28 cm (D) and a weight of 1300 grams. The material should be durable polyester with an aluminum stay and back system ventilation for enhanced comfort and support during extended use. The rucksack should feature top and front loading compartments, compression straps for better load management, and an integrated rain cover for weather protection. A minimum 18-month warranty is required.                                     | Super scribe the quotation/ e-mail subject line with "Trolley and backpacks for DOM Project" |
| 16.2                             | Trolley bag  | 1 | A 75 cm large check-in hard-sided 4-wheeler luggage with a spacious 123-liter capacity, suitable for extended travel. It should be constructed from lightweight and durable polypropylene for enhanced durability. The suitcase must feature 360-degree rotating wheels for smooth maneuverability and an integrated number lock for security. Dimensions should be 75 cm (L) x 54 cm (W) x 31 cm (D). Please provide a detailed quotation, including pricing, warranty details, and any available accessories. | Super scribe the quotation/ e-mail subject line with "Trolley and backpacks for DOM Project" |
| 16.3                             | Trolley bag  | 1 | A cabin-size hard-sided 4-wheeler trolley with dimensions of 56 cm (L) x 36 cm (W) x 23 cm (D), designed for convenient air travel. The trolley should be made of lightweight and durable polypropylene for enhanced strength and longevity. It must feature 360-degree rotating wheels for smooth maneuverability and an integrated number lock for added security. Please provide a detailed quotation, including pricing, warranty details, and any available accessories.                                   | Super scribe the quotation/ e-mail subject line with "Trolley and backpacks for DOM Project" |



समुद्री जीव विज्ञान क्षेत्रीय केन्द्र /MARINE BIOLOGY REGIONAL CENTRE

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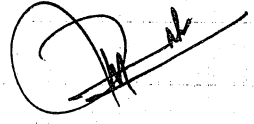
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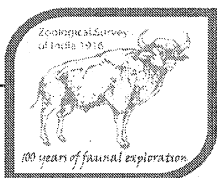
भारत सरकार/GOVERNMENT OF INDIA

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| 17. Laser distance meter |                           |   |   |   |
|--------------------------|---------------------------|---|---|---|
| 17.1                     | Laser Distance Meter 40 m | 3 | Bosch Laser Distance Meter is an excellent device with a measuring distance range of 132 feet providing accurate results with an accuracy of $\pm 1.5$ mm. Model No is GLM 40. Product Dimensions is 105x41x24 mm. Power Supply-2x1.5V AAA Batteries. | Super scribe the quotation/ e-mail subject line with "Laser distance meter for DOM Project" |

  
**Dr. BINEESH K.K.**  
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Marine Biology Regional Centre  
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Chennai - 600 028.



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