

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) 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, kkbineesh@gmail.com



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DETAILS OF ITEMS				
Sl.no.	Item name	Units	Specifications	Remarks
1. Stere	o Microscope			
1.1	Stereo	1	The Microscope should have a 0.5x C-mount and 10x/22mm	Super
	Microscope		widefield adjustable eyepieces. It should feature a 7.5x zoom	scribe the
	with C-LEDS		magnification with a total magnification range from 3.35x to 300x	quotation/
	Hybrid LED		and a zoom range of 6.7x to 50x. It should have high-contrast,	e-mail
	Trans and	•	bright imaging with a total reflection prism and a working distance	subject
	Reflected		of 115 mm for convenient sample manipulation. Additionally, it	line with
	Light Stand	•	should have a Hybrid LED Stand that allows both Episcopic and	"Microsc
7.3814			Diascopic observations with simultaneous illumination and easy-	ope for
12.1	The second of th	ů.	adjustment.	DOM
				Project"
-1.2	Digital	1	Digital Microscope with Endoscope, 10.1 inch LCD Screen	Super
	Microscope		Soldering Microscope, 300X USB Electronic Microscope Camera	scribe the
	with		for PCB Soldering, Coin Collection, Supports Windows PC. It	quotation/
	Endoscope		should have High-quality metal lens and focusing barrel with	e-mail
	Endoscope		Endoscope all-around view 360°. This digital microscope should	subject
			have ultra-high definition 2160P Video Record, 10.1 inch IPS	line with
			screen while supporting HDMI output, allows you to see a more	"Digital
			microscopic world and free your eyes all the time. Also should have	Microsco
			8 Levels Adjustable LED Lights. It should convenient to operate	pe for
			from a long distance and supports functions such as image	DOM
			discoloration and digital zoom.	Project"
2 Satel	lite transmitting	tags w	ith anti-fouling application.	
2.1	Satellite	5	SPOT device should have temperature and wet/dry sensors, with a	Super
2.1	transmitting		pressure rating of up to 2000 meters. The device should operate	scribe the
The second secon	tags		over a frequency of 401.678 MHz and have a temperature sensor	quotation/
	tags		range of -40°C to 60°C with a resolution of 0.05°C. The optimal	e-mail
			storage temperature must be between 0°C and 5°C. The	subject
			conductivity (wet/dry) operational limits should range from 0.1 to	line with
	et e		5 S/m, depending on environmental conditions. The dimensions,	"Satellite
			including length, diameter, and weight, should be specified based	transmitti
			on the available shapes. Additionally, the maximum deployment	ng tags for
			length must be provided.	DOM
			religin must be provided.	Project"
2.2	Anti faulina	5	Should ensure long-term sensor performance in marine	Super
2.2	Anti-fouling	٦	environments. Specify the options, effectiveness, and any	scribe the
	applications.	:		quotation/
			additional maintenance requirements.	e-mail
				subject
Zoological	urvey / _ \			line with
of India 19	16 \$2666222422	ीजीवविः	। गानक्षेत्रीयकेन्द्र/Marine Biology Regional Centre	ine with

130, संथोमहाईरोड, चेन्नई- 600 028 /130, Santhome High Road, Chennai – 600 028 टेलीफोन:044- 24642680/24641577/24643191 »फैक्स: 044-24642680 » ई-मेल:mbrc@zsi.gov.in Tel.:044-24642680/24641577/24643191»Fax::044-24642680»Email: mbrc@zsi.gov.in

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				"Satellite
		14		transmitti
				ng tags for
				DOM
				Project"
3. DNA	extraction kit			
3.1	Qiagen Kit/	10	Should capable of high-quality DNA extraction from blood, tissues,	Super
	DNeasy		and cells. The kit should support PCR, qPCR, and genotyping	scribe the
	Blood &		applications, with an elution volume of 100-200 µl and processing	quotation/
	Tissue Kit		time of 20 minutes to 1, hour. It must yield up to 6 µg of DNA from	e-mail
		-,	blood and 30 µg from tissue, ensuring a purity ratio (A260/A280)	subject
	100		of 1.7-1.9. The extraction method should be silica-based and	line with
			available in spin-column and 96-well formats. The kit must be	"DNA
			stable for at least one year at 15-25°C. Additionally, details on	extraction
			automation compatibility are required.	kit for-
		:		DOM
214				Project"
4. Cher	nicals and Plast	ic items		
4.1	Wide Mouth	6	582200	Super
	Bottle, PP	- pack		-scribe the
	with PP	s		quotation
	closure- 30	14		with
	ml			"Chemica
4.2	Wide Mouth	12	582270	ls and
	Bottle, PP			plastic
	with PP			items for
	closure- 4000			DOM
	ml			-Project"
4.3	Jerrican,	3	683210	
	HDPE with		n kartin olatin ola tai ola kartin ola tai tai ola	
	white PP			de la constitución de la constit
	closure – 5 lit			
4.4	Jerrican,	2	683220	
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	white PP		manten eta en la comprese de la compresa de la com La compresa de la co	
	closure- 10 lit			
4.5	Jerrican,	1	683230	
	HDPE with	-		
•	white PP	P	[생태일의 교회사장	
	closure-20 lit			
4.6	Pipettor Stand	1	030080	
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130, संथोमहाईरोड, चेन्नई- 600 028 /130, Santhome High Road, Chennai – 600 028 टेलीफोन:044- 24642680/24641577/24643191 »फैक्स: 044-24642680 » ई-मेल:mbrc@zsi.gov.in Tel.:044-24642680/24641577/24643191»Fax.:044-24642680»Email: mbrc@zsi.gov.in

## पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय /Ministry of Environment, Forest and Climate Change भारतीय प्राणि सर्वेक्षण /Zoological Survey of India

	TEN HE	and the second s			
	4.7	Universal	4	524052	
-	4	MICRO Tip	pack	and the second s	
	*** · · · ·	Box 0.2-10			
	4.8	Universal	4	524053	
		MICRO Tip	pack		
		Box 2-200			
	4.9	Universal	4.	524059	
		- MICRO Tip	pack	and the second s	
	72.	Box 200-			
		1000	1.4		
	4.10	PurePack	24	500001	
		SPINWIN	pack		
		Micro			
	4.15	-Centrifuge			
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		- Centrifuge			
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	4.12	PurePack	24	500003	
		SPINWIN	pack		
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		Centrifuge	£ .		
		Tube, Sterile			
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2/		2ml			
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			pack		
. 4	4.15	Self Standing	1	500043	
		Centrifuge	pack		
		Tube 50 ml			
	4.16	Float Rack,	1	240000	
	Zoulogical	PP	pack		
	of India 19	5S		,一点一点,一点一点,一点一点,一点,一点,一点,一点,一点,一点,一点,一点,	No. of the second secon

सम्द्रीजीवविज्ञानक्षेत्रीयकेन्द्र/Marine Biology Regional Centre

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4.17	Rack for	5	241040		
	Micro Tube	pack			
	0.5				
.18	Rack for	5	241060		
	Micro Tube	pack			
	1.5				
.19	96 Place	3	241010		
	Reversible	pack			
	Rack with				
	Cover, PP		en e		
1.20	Rack for	1	240010		7
	Micro Tube,	pack			
	RPP				
1.21	Micro Tube	3	524040		
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1.22	Micro Tube	3	524060		
	Box,		- 1	The second secon	
	PC/LDPE 0.5				
1.23	Micro Tube	3	524070		
	-Box,			The second secon	
	PC/LDPE 1.5				
1.24	Cryo Cube	12	202060		
	Box, PP 50	pack			
	-place	- S			
1.25	Cryo Cube	12	202070		
	Box, PP100	pack			
	place	- S	and the state of the control of the	a a a a la la come a sage	
1.26	Storage	1	527070		
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1	- LDPE		1-190		
1.27	Quick Freeze,	1	525040		
	PC with				13
	Insulating			and the second of the second o	
1.00	solution	2			1
1.28	MAGICOOL	3	241002		
	PCR Mini				1
	Cooler, PP	nisi i			
	With			· · · · · · · · · · · · · · · · · · ·	
	Insulating				
Zoological	solution	1	525020		
.29	-20 ागा समुद्र	ो भोववि र	525030 निसंत्रीयकेन्द्र/Marine Biology Regional Centre	A STATE OF THE STA	<u> </u>
A Article	Cooler, PC		, चेन्नई- 600 028 /130, Santhome High Road, Chennai 600	000	+

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		with Non			
		toxic gel 12		en de la companya de	
	4				
	1.00	places		707000	
	4.30	-20°C Mini	- 1	526030	
		- Cooler, PC			
		with Non			
		toxic gel 32			-
		places			
	4.31	Thermo	. 2.	525340	
	-4.31		. 2.	225570	
		Conductive			
		Rack			
	4.32	Ice Bucket	2	525150	
	e ser estado en la composição de la comp	with Lid,			
		PUR 2.5 lit	5 - 1 - 1		
	4.33	Parafilm M®	2	380010	
			pack		
	4.44	Parafilm	1	380000	
	4.44			300000	
		Dispenser		C00070	
	4.45	Tough Tags	2	500070	
	4.46	Tough Tags	2	500085	
	4.47	Multipurpose	- 2	680000 -	
		Labelling			
		Tape			
	4.48	PCR	5	241000	
	h., j.	Workstation	pack		
		Rack	S		
	1.40				
	4.49	5 ml Screw	10,0		
		cap vials	00		
	4.50	2 ml Screw	2000		
		cap vials			
	4.51	1.5 ml Screw	2		
		cap vials	pack		
			S		
	4.52	50 ml Screw	2000		
	1.32	cap vials	2000		
	4.50		1		
	4.53	Formalin 30	2		1
		L			
	4.54	Rotenone 5 L	1		
	4.55	1x Phosphate	10		
		buffeted	bottl		
. 1		colina 500ml	es		
	Zoologics or trials	916		ATTO AND A MARINE PLANSON PROPERTY CENTERS	

समुद्रीजीवविज्ञानक्षेत्रीयकेन्द्र/Marine Biology Regional Centre

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		<del>,</del>		
4.56	Ethanol 500	20	[불 결혼 시골면 가장 사는 사람들은 그 가장 회원 [출	
1	ml	bottl		
		es		
4.57	Ethidium	1		
	bromite 10 ml			
4.58	Conical flask	2		
4.59	Distilled	1		
	water 5 liter			
4.60	TAE buffer	1		
	(Tris-acetate-	liter		
	EDTA) (50x)			
4.61	Agarose			
	powder 500 g			
5. Com		bottom	trawler hiring and fishing	
5.1	Trawler Boat	F-1:	Suitable boat size of up to 40 meters and engines with a power	Super
	Hiring		capacity of up to 591 HP for scientific operation. The vessel should	scribe th
** wan			be suitable for onboard scientific operations and provide	quotation
erina. Perimanan			accommodation for extended stays, including food provisions,	e-mail
16.55			bathroom facilities, and power sockets for at least five days. It must	subject
ende 17. januari			be capable of operating at depths ranging from 200 to 1000 meters.	line with
, which			be capable of operating at depths ranging from 200 to 1000 ineters.	"Trawler
		1		Boat
	Prof. Commen			
11-				Hiring fo
		1		DOM
5.2	Fishing rod &	2		Project"
). <u>Z</u>			A durable, high quality fishing rod, which should be 6-7 feet long,	Super
	accessories		with medium-heavy to heavy power and fast action to handle sturdy	scribe th
			fishes. It must feature corrosion-resistant guides, a secure reel seat,	quotation
			and a non-slip ergonomic grip for prolonged use in humid	e-mail
			conditions. The kit should include a high-capacity reel, braided or	subject
			monofilament fishing line, hooks, swivels, sinkers, lures, a tackle	line with
			box, and a protective carrying case. Please provide specifications,	"Comme
			warranty details.	cial
			i de la compresión de la Compresión de la compresión	fishing
				bottom
:				trawler
				hiring fo
				DOM
				Project"
5.3	Bottom	_2	A bottom trawl net designed for demersal fishing operations along-	Super
7	trawlernet		the Indian coastline. The net should have a head rope length	scribe the
Zooingical of Indla 19		ੀ ਜੀਕ <b>ਕਿ</b> =	between 39.6 to 81.0 meters and a foot rope proportionally longer । निर्दानीयकेन्द्र/Marine Blology Regional Centre	quotation
	- यन्द्र	nondids	To ensure an optimal opening. It must be constructed with a two- इ. चेन्नाई-600 028 /130. Santhome High Road, Chennai – 600 028	e-mail
	130, ₹	<del>पथामहाईरो</del> ड	5, चन्नाइ-,600 028 /130, Santhome High Road, Chennai - 600 028	

Tel.:044-24642680/24641577/24643191»Fax::044-24642680»Email: mbrc@zsi.gov.in

## भारत सरकार/Government of India

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	•			
			seam or four-seam design for efficient trawling. The netting	subject
	and a second		material should be high-density polyethylene (HDPE) with extra	line with
			abrasion resistance, suitable for targeting species like squids and	-"Commer
V	Z. Markin Karana Ka		cuttlefish. The ropes must be high-strength polyethylene or	cial
	DVJ1		polypropylene to withstand operational stresses. Mesh sizes should	fishing
			be optimized for different sections, with a minimum codend mesh	bottom
		·	size of 40 mm to comply with sustainable fishing practices. The net	trawler
			should include spherical or oval HDPE floats for buoyancy,	hiring for
			weighted sinkers for seabed contact, and hydrodynamically	DOM
		:	designed otter boards for maintaining the net's horizontal opening.	Project"
		-	Panels should be precisely cut and reinforced at high-stress points	
			to enhance durability. The design must comply with Indian fisheries	
<u> </u>			regulations and sustainability standards. Please provide a detailed	
المستر	Augustus fier		quotation including itemized pricing, production timeline, warranty	
			details and after-sales support	
			details, and after successful to the successful to the	
6. Elect	ronics			1
6.1	Microwave	1	21L convection microwave oven with features such as quick start,	Super
	oven		energy-saving mode, and adjustable cooking time. Must have an	scribe the
			800W power output, 1150W grill power consumption, and 1860W	quotation/
			convection power consumption, with five power levels. It should	e-mail
			include a concealed quartz heater for safety, a durable stainless steel	subject
	egi v u v - mj. v <del>voc. v</del>	1	cavity, keep-warm function, and a touch keypad for easy operation	line with
		ŧ.	and cleaning. 1-year manufacturer warranty is required.	"Microwa
				ve oven
		-		for DOM
- Jan 4				Project"
6.2	Pedestal fan	1	400mm pedestal fan with 3-5 or blades for enhanced airflow, 3-6	Super
		N.	speed settings, upto 1350 rpm, 90-degree oscillation, and an	scribe the
i.			adjustable height of up to 120 cm. It should have an energy-efficient	quotation/
			motor, and low-noise operation. The fan must feature a sturdy base,	e-mail
			jerk-free oscillation, and a safety grill for protection. A 1-year	subject
			warranty is required.	line with
				"Pedestal
				fan oven
				for DOM
				Project"
6.3	Micro	1	A laboratory centrifuge with a minimum RCF of 2000 × g and a	Super
	centrifuge		maximum speed of 6000 RPM. The unit should have a capacity of	scribe the
	with PCR		$8 \times 1.5/2.0$ ml tubes and operate within a permissible ambient	quotation/
	tube rotor		temperature range of 5 to 40°C. It must function at noise levels	e-mail
Zoological of India 19	survey		below 55 dB and withstand relative humidity greater than 80%. It	subject
	समुद्र	ीजीववि र	ानक्षेत्रीयकेन्द्र/Marine Biology Regional Cearre 157 × 116 mm) and a	line with
1 - 100			ा इ. चेन्नई- 600 028 /130, Santhome High Road, Chennai – 600 028	

टेलीफोन:044- 24642680/24641577/24643191 »फैक्स: 044-24642680 » ई-मेल:mbrc@zsi.gov.in Tel.:044-24642680/24641577/24643191»Fax::044-24642680»Email: mbrc@zsi.gov.in

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



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(7	D = +4 = 1 = 1 =	1	This generator should have dual type air cleaner and compression	Super
6.7	Portable	1		
	Petrol		ratio of 8.5:1. Fuel Tank Capacity (L) is 12.5 and oil capacity is	scribe the
	Generator		0.55 L. It should have dimensions (L x W x H) of 710 x 482 x 570	quotation/
			& Continuous running hours of 6.9 hrs. 850 Watts. Fuel Gasoline;	e-mail
			Out put wattage 750 Watts.	subject
			program in the second of t The second of the second of	line with
			in the control of the	"Generato
			n de la composition de la composition La composition de la	r for
	en de la companya de La companya de la co			DOM
				Project"
7. Cam	era and Accesso	ries		J
7.1	Digital	1	A high-performance digital camera with a full-frame FX-format	Super
/•1	camera		stacked CMOS sensor measuring 35.9mm x 23.9mm and an	scribe the
*****	Camera		effective resolution of 45.7 megapixels for capturing highly	quotation/
			detailed images. The camera must support multiple image area	e-mail
			settings, including FX, DX, 1:1, and 16:9, with a maximum	subject
			resolution of 8256 x 5504 pixels. It should be capable of recording	line with
				"Camera
			8K UHD video at 30p, 25p, and 24p, 4K UHD at up to 120 fps, and	and
			Full HD at 120 fps, with N-Log and HLG gamma profiles for wide	
			dynamic range and professional post-production flexibility. The	Accessori
			camera must feature an advanced autofocus system with 493 focus	es for
	en e		points and hybrid phase-detection/contrast AF for precise tracking	DOM
	r Handa Albandan da		and subject detection. A 5-axis in-body image stabilization system	Project"
			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	
		1.	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	
		1	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.	
7.2	24-120mm	1	A full-frame 24-120mm f/4 S lens, with FX-format zoom and a	Super
Ê	f/4 S Lens		constant f/4 aperture. The lens should have Nano Crystal and	scribe the
			ARNEO coatings for reduced glare and distortion. It must feature	quotation/
			fast and silent autofocus, a minimum focus distance of 0.35m, and	e-mail
			a 77mm filter thread. A weather-sealed construction is required for	subject
Zoological pi trivita 19	survey		durability	line with
	मम्	रीजीवविज्	गनक्षेत्रीयकेन्द्र/Marine Biology Regional Centre	<u> </u>

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				"Camera
				and
				Accessori
				es for
		·		DOM
7.3	180-600mm	1	A 100 600 C/5 ( 62 V/D ) C0 1	Project"
7.3	f/5.6-6.3 VR	1	A 180-600mm f/5.6-6.3 VR lens, offering a super-telephoto zoom	Super
			range for wildlife and sports photography. The lens must include	scribe the
	Lens		Vibration Reduction (VR) image stabilization, a minimum focus	quotation/
			distance of 1.3m, and fast, quiet autofocus. It should have a	e-mail
		Te s	fluorine-coated front element, a 95mm filter thread, and a weather-	subject
		i in the	resistant build.	line with
	n transmi e en francis			"Camera
				and
			And the second s	Accessori_
right.	•	-		es for
*				DOM
**				Project"
7.4	EN-EL18d	1	We require the Nikon EN-EL18d Rechargeable Li-ion Battery with	Super
d.o	Rechargeable	-	the following specifications: a voltage of 10.8V, capacity of	scribe the
**************************************	Li-ion Battery		-3,300mAh (35.64Wh), and dimensions of 83mm x 57mm x 27mm,	quotation/
*			weighing approximately 160g. This battery is must compatible with	e-mail
			Nikon Z 9. It must be charged using the MH-33 battery charger.	subject
			Please provide a detailed quotation, including pricing, warranty	line with
			terms, and availability.	"Camera
				and
				Accessori
				es for
				DOM
				Project"
7.5	Tripod Kit	2	A quality tripod kit made of aluminum, with a maximum height of	Super
		. 12	183 cm and a minimum height of 9 cm. It should support a payload	scribe the
			of up to 12 kg and include a 3-way pan-and-tilt head with flip-lock.	_quotation/
:	Marine Landing		leg adjustments. The tripod must feature four bubble spirit levels,	e-mail
	num destant		360° panoramic rotation, and a quick-release plate.	subject
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			And of the property of the second section of	"Camera
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	- II			C
7.6	Trolley	2	A trolley backpack designed for carrying camera gear and	Super
	Backpack		accessories. The bag must fit up to six lenses, a 14" laptop, and a	scribe the
			tripod. It should have multiple compartments, rain cover protection,	quotation/
			durable zippers, and convertible backpack straps for easy carrying.	e-mail
				subject
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	•			"Camera
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el eleminaria			Deliver the common form the later that in the first of the state of the first of the common that the common the state of the common that the	DOM
			A CAMBRIAN AND A CAMB	Project"
7.7	Action	4	A action camera featuring 4K and 5.3K video recording, a 12MP	Super
	Camera		sensor, and HyperSmooth stabilization. It must be waterproof up to	scribe the
			10m, with a removable 1900mAh Enduro battery, dual displays	quotation/
			(2.27" rear touchscreen and 1.4" front screen), and USB-C	e-mail
		,	connectivity. The camera should support microSD cards with UHS-	subject
-			3 rating and have a built-in folding mount.	line with
		,	n de decembra de la companya de la c La companya de la co	"Camera
				and,
			en la companya di distributione di la companya di distributione di la companya di distributione di la companya La companya di la companya di distributione di la companya di distributione di la companya di distributione di	Accessori
			[ 기급 기업	es for
				DOM
				Project"
7.8	Action	4	We require a Battery with Charger designed for optimal	Super
	Camera		performance and extended battery life in extreme conditions. The	scribe the
de f	Battery with		1900 mAh Enduro battery is compatible with Action camera,	quotation/
	Charger		offering over 1.5 hours of continuous recording at 5.3K30 and more	e-mail
200 A			than 2.5 hours at 1080p30. It is built to withstand cold temperatures	subject
		:	as low as -10°C (14°F), ensuring reliable operation in harsh	line with
			environments. The dual battery charger allows simultaneous	"Camera
			charging of two batteries, featuring LED indicators for charging	and
			status and a USB-C cable for versatile charging options. It	Accessori
			efficiently charges two 1720mAh lithium-ion batteries to full	es fo
	기가되다. 보다구요		capacity in approximately 10 hours with a 1.0 amp USB power	DOM
			source. Please provide a detailed quotation, including pricing,	Project"
			warranty terms, and availability.	
7.9	Action	4	An underwater housing compatible with the action camera. The	Super
	Camera under		housing must provide waterproof protection up to 60 meters (196	scribe the
	water case	**	feet), ensuring safe operation during deep-sea dives. It should	quotation
Zoplogical of India 19	Survey (GD)		feature a flat glass lens to deliver sharp and clear images both above	e-mail
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(401)	71.27		<u>nand below water. The design must allow access to the front LCD</u>	

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F					
				screen for easy viewing and include a skeleton backdoor to retain	subject
				touchscreen functionality and enable high-quality audio capture.	line with
				Durability is essential, with the housing offering protection against	"Camera
				mud, dirt, and debris during extreme activities. The package should	and
				include the protective housing, skeleton backdoor, mounting	Accessori
				buckle, and thumb screw. Please provide a detailed quotation,	es for
				including pricing, warranty terms, and availability.	DOM
				mercaning prioring, warranty terms, and availability.	Project"
Ì	7.10	Underwater	2	A rugged underwater camera, featuring a 12MP sensor, True Pic	
	,	Camera	2	VIII processor, and C4K video recording. It must be waterproof up	Super scribe the
		Cumora		to 15m, freeze proof, dustproof, and shockproof. The camera	
					quotation/
				should include sensor-shift image stabilization, Wi-Fi and GPS	e-mail
-		en e e e e e e e e e e e e e e e e e e		connectivity, and a 3.0" LCD screen.	subject
		a e	-		line with
					"Camera
	Ψ.	grand Name			and
	* .	N <sub>1</sub>			Accessori
			*.		es for
					DOM
-	7.11	3777	1		Project"
	7.11	Waterproof	l	We require a waterproof case designed for underwater	Super
		case		photography, offering a depth rating of at least 45 to 60 meters for	scribe the
ŀ				deep-sea exploration. The housing must provide full access to all-	quotation/
		and the second s		camera controls, including exposure adjustments and zoom	e-mail
				functions. It should be constructed from durable polycarbonate or	subject
		• • • • • • • • • • • • • • • • • • •		ABS plastic for impact resistance and longevity. The case must	line with
	-			support external strobes, fiber-optic connections, and additional	"Camera
	<u> </u>			lens attachments via a 52mm or 67mm threaded port. Essential	and
				features include a dual-layer waterproof seal, inbuilt leak detection	Accessori
				sensor, and compatibility with multi-flash setups. Please provide a	es for
				detailed quotation, including pricing, warranty terms, and included	DOM
				accessories.	Project"
	***************************************		-		
	7.12	Mirrorless	:	A mirrorless camera with a 32.5MP APS-C CMOS sensor and	Super
		camera with		DIGIC X processor. It should have in-body image stabilization	scribe the
		18-150mm	5 14	(IBIS), ISO 100-32,000, and support 4K UHD video recording. The	quotation/
		Lens Kit		camera must include dual SD card slots, a 7.62cm (3.0") vari-angle	e-mail
				touchscreen LCD, and 651 autofocus points. The kit must include	subject
	·		.	the 18-150mm lens for versatile shooting.	line with
			-		"Camera
					and
	Zoological s of India 191	97vey (432)			Accessori
+		8 161 · 1		ांगक्षेत्रीयकेन्द्र/Marine Biology Regional Centre	es for
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7.13			the first of the control of the cont	Project"
1.13	mirrorless		A 100mm f/2.8L Macro IS USM lens, featuring 1.4x magnification,	Super
	camera RF		a fast f/2.8 aperture, and 9 diaphragm blades. It must have Hybrid	scribe the
				quotation/
	100 mm		· · · · · · · · · · · · · · · · · · ·	e-mail
	f/2.8L Macro		construction for durability.	subject
	IS USM Lens			line with
				"Camera
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			ng na na na despesaj e a meda jilogode be foji tu d	DOM
				Project"
7.14	Camera	4	A 256GB SDXC UHS-I memory card suitable for high-resolution	Super
	Memory Card		photography and 4K UHD video recording. The card should have a	scribe the
	(256 GB)		minimum write speed of 30 MB/s (U3, V30) and a maximum read	quotation/
			speed of at least 200 MB/s.	e-mail
				subject
				line with
				"Camera
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				Accessori
	<u> </u>			es fo
			in the second of	DOM
			in and the control of	Project"
7.15	Camera	2	We require underwater housings for the Canon EOS R7 and Nikon	Super
	Underwater		Z9, suitable for deep-sea exploration (60-100m depth). The	scribe the
	Housing (for		housings must be durable, made of high-grade aluminum or	quotation
	cannon EOS		corrosion-resistant polycarbonate, and offer full camera control,	e-mail
tanit Proposi	R7 & Nikon	F 12	ergonomic design, and interchangeable lens ports. The R7 housing	subject
	Z9)		should support RF and EF lenses, while the Z9 housing must	line with
			accommodate Z-mount and F-mount lenses. Both should include a	"Camera
			vacuum leak detection system, secure locking, a clear monitoring	and
		1 2	window, and strobe compatibility via a bulkhead connector.	Accessor
				es fo
			[편 기도 기 - 호난생님 너 똑같은 사람이를 보고를	DOM
				Project"
7.16	Security	6	We require a 1080p Full HD security camera with Al-powered	Super
7.10			person detection, motion tracking, and 360° horizontal & 130°	scribe the
	camera		vertical coverage. It must have infrared night vision (up to 98 ft),	quotation
Zoologica	survey (		IP65 weatherproofing for outdoor use, and multiple mounting	e-mail
of India 19	15	٠	TP65 Weatherproofing for outdoor use, and multiple mounting	o-man

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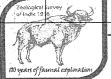
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				1.0
			storage. Essential features include a customizable sound alarm,	subject
			physical privacy mode, and two-way audio.	line with
				"Camera
				and
		:.		Accessori
				es for
				DOM
				Project"
7.17	Underwater	1	An underwater camera and lighting system with a 500-meter depth	Super
	camera with		rating and an operating time of over 2 hours. The construction must	scribe the
	lighting		use marine-grade anodized aluminum and high-strength acrylic,	quotation/
	system		featuring a double O-ring sealed housing for waterproof integrity.	e-mail
		1977	The camera system should provide Full HD (1920x1080) resolution	subject
			at 30/60 FPS with a high-sensitivity CMOS sensor optimized for	line with
			low-light conditions. It must support H.264/H.265 video	"Camera_
	Sign of the state		compression and dual recording with storage options of dual	and
			microSD (512GB each) or SSD-based storage. The lighting system	Accessori
			should include four high-intensity LED lights, each with a	es for
			brightness of 1500 lumens (total 6000 lumens), a color temperature	DOM
		:	of 5000K-6000K, and adjustable brightness control. The power	Project"
			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	and the second
	The second secon		Ethernet ports for high-speed data transfer, and Wi-Fi/Bluetooth for	
			surface-level data retrieval (out of water).	
1.		**		
7 10	Ding flool	1	A sample flesh with with a guide number of 20 41 (12m) at ISO 100	Cara
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	Super scribe the
			a recycle time of approximately 0.1 to 2 seconds and support	
		*		quotation/
			manual exposure control. The unit must operate on 4x AA batteries,	e-mail
			be compatible with an external power pack, and provide a color	subject
			temperature of 5800K. It should feature a shoe mount, a built-in	line with
			display, and compatibility with 49mm, 52mm, 55mm, 58mm,	"Camera
			62mm, 67mm, 72mm, and 77mm filter threads via an included	and
			adapter ring. The dimensions should be 132.0 x 132.0 x 32.0 mm	Accessori
	,		for the ring and 116.0 x 71.0 x 48.0 mm for the controller, with a	es for
	te de la companya de		total weight of 370g (13.1 oz).	DOM
		:		Project"
7.19	Underwater	3	An underwater torch with a depth rating of 328 feet, featuring a	Super
	torch	· .	395nm ultraviolet LED designed for coral and sea life fluorescence.	scribe the
Zoological Little discour		ोजीववि र	The torch should have an adjustable beam angle between 12° and	quotation/
+			100 and a runtime of approximatery 4 nours. It must be powered	e-mail
	130, ₹	न्यामहाइरोड	s, चेन्नई- 600 028 /130, Santhome High Road, Chennai - 600 028	n di senggang internasion Tidah senggan

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			by a rechargeable 1,8650 battery and include a charger with a USB	subject
	· · ·	'	cable. Please provide a detailed quotation, including pricing,	line with
			warranty, and availability.	"Camera
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				Accessori
			and the state of the	es for
7.11				DOM
			or the company of the company of the company	Project"
7.20	Underwater	3	The LED with output levels of 130, 325, 650, and 1300 lumens,	Super
7.20	torch		offering a runtime of 2 to 20 hours. It must have a narrow 10° spot	scribe the
	toron		beam for focused exploration and a 6500K color temperature. The	quotation/
			torch should be constructed from durable aluminum alloy, with a	e-mail
			tempered optical glass lens, side-mounted push-button switch, and	subject
				line with
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		color-coded battery indicator. It must be depth-rated to 328 feet and	"Camera
			include a roll-top dry bag, lanyard, 18650 rechargeable lithium-ion	
			battery, battery charger, and a limited 1-year manufacturer	and
			warranty.	Accessori
				es for
				DOM
				Project"
7.21	Electronic	1	An Electronic Automatic Digital Control Dry Cabinet Storage with	Super
	Automatic		a 120L capacity for humidity-controlled storage. The unit must	scribe the
	Digital		have 6 compartments and feature an LCD Dual LED display for	quotation/
	Control Dry		monitoring temperature and humidity, with automatic humidity	e-mail
	Cabinet		control. It should operate on a 110-220V power supply and have	subject
	Storage (120		dimensions of W380 x D390 x H1015 mm, with a total weight of	line with
	L)		20 kg. Please provide a detailed quotation, including pricing,	"Camera
			warranty, and availability.	and
				Accessori
				es for
				DOM
				Project"
7.22	Rechargeable	2	A rechargeable flashlight with a 600-meter beam distance and 1000	Super
	flashlight		lumens brightness. It must offer a runtime of up to 50 hours and	scribe the
	<b>)</b>		include a battery status indicator for monitoring power levels. The	quotation/
			flashlight should feature six light modes, including strobe and SOS	e-mail
			functions for emergency use.	subject
			[ 왕조 그는 이 전 시험 시험을 하면 맞고를 했는데 그는 그 그 그는 것	line with
			【唐 8、7、7、1集18 李肇18 建高氯化 第二贯作为	"Camera
		1		and
				Accessori
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of India 19	<del>िक्किक सिम्</del>	द्रीजीववि र	। गानक्षेत्रीयकेन्द्र/Marine Biology Regional Centre	100



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## पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय /MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE भारतीय प्राणि सर्वेक्षण /ZOOLOGICAL SURVEY OF INDIA

:				DOM Project"
7.23	Headlamp	2	Powered by 4x AA alkaline batteries, with a 550-meter beam	Super
		-	distance and 550-lumen light output. It must feature three light	scribe the
			modes, including spot, wide beam, and distance dimming, for	quotation
	1 4		versatile illumination. The total weight should be 350 grams for	e-mail
			easy handling.	subject
			cusy handring.	line with
	•			"Camera
				and Accessori
	ोर्च स्टाइन भी		in the same of the case of the construction o	
				es fo
,.				DOM
7.24	D 1 11	1	A 1 11 400	Project"
7.24	Rechargeable	1	A rechargeable torch with a 2000-lumen output and a 400-meter	Super
	torch		wide beam distance. It must provide a runtime of up to 57 hours	scribe the
			and include a battery status indicator for monitoring power levels.	quotation
			The torch should feature a transportation switch lock for safety and	e-mail
			be powered by a high-capacity 5000mAh Lithium-Ion battery.	subject
				line with
			l de la companya de La companya de la co	"Camera
				and
				Accessori
				es for
				DOM
				Project"
8. SCU	BA kit and acce	ssories		
8.1	BCD kit	2	BCD: ResisteKTM material, Backpack Handle, Octo Pockets, Pull	
			Dump, Additional Dump option, Adjustable chest strap, petite and	
			Sweet, weight: 1.59 Kg	
				Super
			Regulator 1st Stage: Compact, High-Flow Piston Technology,	scribe the
			Intuitive Design, Second filter, Prevents water retention, shock	quotation/
			proof, Mechanisum: In line, Maximum working: Pressure 232 bar,	e-mail
		1.	ACD system: Transformation kit available, Number of HP ports:1,	subject
			Number of MP ports: 4, Body:Marine brass, crome plated, Spring:	line with
			Stainless steel, O-ring: EPDM	"SCUBA
				kit and
			Regulator 2nd Stage: Soft mouth piece, Reusable clip, Venturi	accessorie
			Knob, Polyurethane purge cover, Freeflow prevention, Easy	s for
			maintenable, Mschanism: Demad valve, Venture adjustment knob:	DOM
			minutes in the second s	
Zoological of India 191	urvey (12) FITT	1 114		Project"

130, संथोमहाईरोड, चैन्नई- 600 028 /130. Santhome High Road, Chennai – 600 028 टेलीफोन:044- 24642680/24641577/24643191 »फैक्स: 044-24642680 » ई-मेल:mbrc@zsi.gov.in Tel.:044-24642680/24641577/24643191»Fax.:044-24642680»Email: mbrc@zsi.gov.in

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				\	
				yes, Box botton, deflector, Venturi vane: ABS, Purge cover: polyurethane, Mouthpiece, Exhaust valve, Diaphragm: Silicone.	
				Octopus: Product Dimensions: 7 x 7 x 5 inches (17.8 x 17.8 x 12.7	
	4 - 4 - 1			cm); 2 Pounds (910 grams), product weight: 910 grams, Purge	
				cover: polyurethane, Mouthpiece, Exhaust valve, Diaphragm:	
	County (			Silicone.	
		·			e e e
				Termo Pressure+ Depth Gauge	
	-			Pressure Gauge-Easy to read scale upto 5,000 PSI / 350 bar rated.	and the second of the second o
				Luminescent gauge face for easy reading in low light. Shock	
				resistant Bourdon tube. One way safety valve. Hose length is	range en de
				36''/91.44cm.	
					1. May 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
				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.	
			4	Luminescent gauge face for easy reading in low light. 200 foot/60-	
	*			meter maximum depth.	
	8.2	Belt	2	motor maximum dopin.	Super
	0.4	Dell			scribe the
					quotation/
					e-mail
					subject
				Item Dimensions: LxWxH- 5 x 5 x 2 inches, Material- Nylon, Size-	line with
	Landing Comments				"SCUBA
				60" long	kit and
					accessorie
					s for
					DOM
					Project"
	8.3	Weight (1	4	Material- Lead	Super
		Kg)			scribe the
					quotation/
		1 A 1 1			e-mail
				[일 : 이는 효과감설문 시월 [경영] [일 ] [일 ] [ [ [ [ [ [ [ [ [ [ [ [ [ [	subject
					line with
				[발 기다 - 사는 젊은 말씀 다 말중한 글로 병원하는 그렇게 되었다.	"SCUBA
					kit and
					accessorie
	Zoologica of Iridia 19	15			s for
j.		ੱ- 160 ਸਮ	री, जीतति :	नानक्षेत्रीयकेन्द्र/Marine Biology Regional Centre	Red Association

समुद्रीजीवविज्ञानक्षेत्रीयकेन्द्र/Marine Blology Regional Centre

## पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय /MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE भारतीय प्राणि सर्वेक्षण /ZOOLOGICAL SURVEY OF INDIA

1				
				DOM
0.4	VV. 1 . (0			Project"
8.4	Weight (2	4	Material- Lead	Super
	Kg)			scribe th
				quotation
,				e-mail
				subject
		:		line with
				"SCUBA
, , , , ,	: :		The state of the s	kit ar
·				accessor
	1			s fo
		111115		DOM
	prompt of the comment of the comment		er ja variete se variete en erenemente se en	Project"
3.5	Dive mask	2	High impact polycarbonate frame for durability and strength.	Super
	DIVO Musik	-	Single lens tempered glass with Anti-Fog Coating. High quality,	scribe th
	150 19-14 19-15 19-15 19-15 19-15		Hypo allergic & double feathered edge Soft Silicone Skirt. High	
	4.00			quotatio
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		quality, Hypo allergic silicon skirt. Non-slip strap and easy adjust	e-mail
			buckles. Flexible and easy-to-reach nose pocket.	subject
	sample :	* .		line with
				"SCUBA
				kit ar
				accessor
				accessor
				s fo
8.6	Snorkel	5	Dry Snorkel type. Splashguard design to restrict water from	s fo
3.6	Snorkel	5	Dry Snorkel type. Splashguard design to restrict water from entering the barrel. Efficient purge valve and comfortable.	s fo
3.6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	s fo
3.6	Snorkel	5.		s fo DOM Project"
3.6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	s for DOM Project"  Super
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.6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	s for DOM Project"  Super scribe the quotation
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3.6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	s for DOM Project"  Super scribe the quotation e-mail subject
6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	s for DOM Project"  Super scribe the quotation e-mail subject line with
.6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	s for DOM Project"  Super scribe the quotation e-mail subject line with "SCUBA"
.6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	Super scribe the quotation e-mail subject line with "SCUBA kit and"
6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	Super scribe the quotation e-mail subject line with "SCUBA kit and accessorial"
3.6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	Super scribe the quotation e-mail subject line with "SCUBA kit and"
3.6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	Super scribe the quotation e-mail subject line with "SCUBA kit and accessorial"
3.6	Snorkel	5.	entering the barrel. Efficient purge valve and comfortable.	s for DOM
7.00ngicia 7.74ngia vi	arp) ive fin	4	entering the barrel. Efficient purge valve and comfortable.	s for DOM Project"  Super scribe the quotation e-mail subject line with "SCUBA kit and accessories for

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			booties and preferably made with thermoplastic elastomers or	quotation/
			silicone. Extremely lightweight. High performance. Blade: Elastic	e-mail
		·	Techno polymer (polypropylene, thermoplastic rubber, etc)	subject
			blade.	line with
				"SCUBA
				kit and
				accessorie
			in de la companya de La companya de la co	s for
			litaria di manda kalamatan kata di Maria di marika	DOM
				Project"
8.8	Dive Booties	6	Thickness- Min 3 mm. YKK Side Zipper type closure. Material	Super
			preferred – Super Elastic Neoprene and Ultra Durable Nylon.	scribe the
			Sturdy Rubber Sole for grip & protection and flexible for comfort.	quotation/
			Double-Glued and Blind-Stitched Seams. Rubber Heel and Toe	e-mail
			Cap. Extra padding in the sole and around the ankle for cushioning.	subject
	•			line with
				"SCUBA
-				kit and
				accessorie
				s for
		. 1	The state of the s	DOM
				Project"
8.9	Depth	2	We require a depth tracking device with water depth readings from	Super
	tracking		1.5 to 300 feet (0.5 to 90 meters) and the ability to measure water	scribe the
	device		and air temperature. The unit should have 300 watts of sonar	quotation/
			transmit power and utilize 200 kHz DepthTrax® Intelligent Sonar	e-mail
	e Park e ya K		with a 14° beam angle for accurate readings. It must feature	subject
			Inductive Switching Technology (IST), making it 100% waterproof	line with
			up to 200 feet (61 meters) for diving. The device should include a	"SCUBA
			SoftGlow™ backlit display, automatic depth range adjustment, and	kit and
		:	an integrated lanyard for convenience. It must display temperature	accessorie
			readings in °F or °C and come with a 2-year warranty.	s for
				DOM
		4 1		Project"
9. Com	puter and appli	ances		
9.1	Laptop with	1	A 14" laptop with M4 Pro or M4 Max chip for high-performance	Super
	wireless		computing. It must feature a 14.2" Liquid Retina XDR display with	scribe the
	keyboard and		1,600 nits peak brightness, 1,000 nits sustained brightness, and a	quotation/
	mouse		10,00,000:1 contrast ratio. The laptop should offer up to 22 hours	e-mail
			of battery life, three Thunderbolt 5 ports, MagSafe 3, an SDXC card	subject
			slot, HDMI, and a headphone jack. It must support up to two	line with
Zoological of India 19	survey (S)		external displays with M4 Pro and up to four with M4 Max.	"Compute
	्रहें समुद्र	ीजीववि	निर्माती प्रकेल्द्र Marine Blougy Regional CENTRE Center Stage camera,	r and
1 47/100	130,	प्रंथोमहाईरो	ड, चेन्नई- 600 028 /130, Santhome High Road, Chennai – 600 028	

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			studio-quality microphones, six speakers with Spatial Audio, and Dolby Atmos support. It should be optimized for macOS, ensuring	appliance s for
	···		seamless integration with Apple devices. Privacy features like Find	DOM
			My, FileVault encryption, and built-in virus protection are	Project"
			essential.	Troject
9	.2	Laptop with	1 A high-performance laptop with Intel® Core™ Ultra 7 155H	Super
-		wireless	Processor (E-cores up to 3.80 GHz, P-cores up to 4.80 GHz),	scribe the
		keyboard and	Windows 11 Home Single Language 64 operating system, and	quotation/
		mouse	integrated Intel® Arc™ Graphics. The device should include 32GB	e-mail
			LPDDR5X-7467MT/s (soldered) memory and 1TB SSD M.2 2242	subject
			PCIe Gen4 TLC storage. The display must be a 35.56cm (14")	line with
			WUXGA (1920 x 1200) OLED panel with glare protection, HDR	"Compute
			500, 100% DCI-P3 color accuracy, 400 nits brightness, 60 Hz	r and
			refresh rate, and low blue light technology. It should come with a	appliance
		in a second description of the second	65W AC adapter, ClickPad pointing device, and a backlit Luna	s for
			Grey keyboard (English-US). Connectivity requirements include	DOM
			Wi-Fi 6E 2x2 AX and Bluetooth® 5.1 or above. The laptop should	Project"
			have a 1-year PremiumCare warranty and come preloaded with	
_	,	24.5	Office Home 2024 software.	
9	.3	Computer	A high-performance desktop setup with the following	Super
		with wireless	specifications: a 32-inch display, Intel Core i7-13700 processor,	scribe the
		keyboard and	16GB RAM, and 512GB SSD storage. The system must run on	quotation/
		mouse	Windows 11 Pro and include a wireless keyboard and mouse. A 3-	e-mail
			year warranty is essential for reliable after-sales support. Please	subject
			provide a detailed quotation, including warranty terms and any	line with
1			additional accessories.	"Compute
				r and
ŀ				appliance
			Local kewate di Baaman na arabi di Baran na Arabi di B	s for
				DOM
0	.4	Tablet	1 A Rich performance toblet with 11 inch I i	Project"
9	.4	laulet	A high-performance tablet with 11-inch Liquid Retina display featuring ProMotion technology and True Tone for exceptional	Super
			visual clarity, powered by the Apple M4 chip with a 9-core CPU	scribe the
			and 10-core GPU for robust performance. The device should	quotation/ e-mail
			include 256GB of storage and 8GB of RAM to handle intensive	subject
		lark riat	applications efficiently. It must support Wi-Fi connectivity and	line with
		l tas Ele	come in a sleek Space Black finish. The tablet should also offer a	"Compute
			battery life of up to 10 hours for web browsing or video playback.	r and
			Please provide a detailed quotation, including warranty terms,	appliance
			availability, and any additional accessories.	s for
	Zoological of Incide 19	arvey Cond	a, and any additional accessories.	DOM
	(47)	सम्ब	जिविज्ञानक्षेत्रीयकेन्द्र/Marine Biology Regional Centre	Project"
Щ	4//	130.	संथोमहाईरोड, चेन्नई- 600 028 /130, Santhome High Road, Chennai – 600 028	

130, संथोमहाईरोड, चेन्नई- 600 028 /130, Santhome High Road, Chennai – 600 028 टेलीफोन:044- 24642680/24641577/24643191 »फैक्स: 044-24642680 » ई-मेल:mbrc@zsi.gov.in Tel.:044-24642680/24641577/24643191»Fax::044-24642680»Email: mbrc@zsi.gov.in

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9.5	Monochrome	2	A monochrome laser printer with print, scan, and copy functions is	Computer
a car	laser printer		required, offering 22 ppm print speed, automatic duplex printing,	and
			and a 250-sheet input tray. It must have built-in Ethernet, dual-band	appliance
			Wi-Fi, and USB connectivity, with toner reload capability	s fo
			supporting up to 5000 pages. The device should be compatible with	DOM
,			the HP Smart App and secure printing features.	Project"
9.6	DLP laser	1	A DLP laser projector is required with 4000 ANSI lumens	Compute
	projector		brightness, 1920x1080 resolution, and a contrast ratio of	and
	est committee as		3,000,000:1. It must support SmartEco mode for power saving, 2D	appliance
			keystone correction, and USB Type-C connectivity. The projector	s fo
			should have a 10W built-in speaker, a durable laser light source	DOM
221			lasting up to 20,000 hours, and corner-fit adjustment for flexible	Project"
	# # 1 14 - 11		placement.	
0.7	G C	1	■ ● 연구 그는 그는 그는 그는 그는 그는 그 그림에 가장 이 그 그는 그를 하는 것을 하는 것 같아요. 이 그를 하는 것 같아요. 그는 그를 그리고 하는 다음 나를 다 되었다.	
9.7	Conference	1	A conference room laser projector is required with 5000 ANSI	Compute
ž	room laser	14.	lumens brightness, 1920x1200 WUXGA resolution, and a contrast	and
	projector		ratio of 3,000,000:1. It must have manual lens shift, 2D keystone	appliance
			correction, and LAN control compatibility. The unit should feature	s fo
			multiple connectivity options including HDMI, USB Type-A, and	DOM
			RJ45 LAN, with a built-in 10W speaker and a 20,000-hour light	Project"
			source life.	·
9.8	External Hard	2	A 1 TB external portable hard drives with USB 3.0 or higher	Camera
7.0	Drive	2	interfaces for fast data transfer rates. The drives should be	and
	(1 TB)		compatible with both Windows and macOS systems and come pre-	Accessor
	(1 16)			4 4
			formatted accordingly. Compact dimensions and lightweight	es
			design are preferred for portability.	-
9.9	External Hard	2	A 2 TB external portable hard drives with USB 3.0 or higher	Camera
	Drive		interfaces for fast data transfer rates. The drives should be	and
	(2 TB)		compatible with both Windows and macOS systems and come pre-	Accessor
			formatted accordingly. Compact dimensions and lightweight	es
ing a			design are preferred for portability.	
9.10	External Hard	2	A 4 TB external portable hard drives with USB 3.0 or higher	Camera
	Drive	-	interfaces for fast data transfer rates. The drives should be	and
	(4 TB)		compatible with both Windows and macOS systems and come pre-	Accessor
	(4 ID)			
			formatted accordingly. Compact dimensions and lightweight	es
91			design are preferred for portability.	
9.11	USB Flash	5	A 256GB USB 3.1 Gen 1 flash drive with a minimum read speed	Camera
	Drive 256GB		of 200 MB/s. The drive should have a compact and durable design,	and
		. :	suitable for everyday use.	Accessor
				es
10. Dro	nes and ROV's			
10.1	Compact		A compact foldable UAV with a 249g takeoff weight, 48MP 1/2.3"	"Drones
Zoologicai			CMOS sensor, and 4K/30fps video recording. It must feature जनभौत्रीयकेन्द्र/Marine Blocosy Regional Centre intelligent flight modes, GPS positioning, level 7 wind resistance,	and
of India 19			1 CAMP CL SOURCE, MIG. 111 Supply of 1000 1000 1011 11 11 11 11 11 11 11 11	
of India 19	ं सेमुद्र	ीजीववि	게데워기식하여/MARINE BIOLOGY REGIONAL GENTRE	ROV's

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			and a 30-minute flight time. Additional requirements include voice	for DOM
			and somatosensory control, one-throw flight mode, and FPV virtual flight simulator.	Project"
10.2	Remotely		A remotely operated underwater robot with the following	Super
:	operated		specifications: a depth rating and operating depth of 100 meters,	scribe the
	underwater		with a 100-meter tether length. The propulsion system should	quotation
	robot		include six thrusters for six degrees of freedom control. The	e-mail
	TOTAL PROPERTY OF THE PROPERTY	:	structure must be made of lightweight, corrosion-resistant	subject
			aluminum, with an electronics enclosure of cast acrylic tube for	line with
			waterproof protection. It should have a 3-axis accelerometer,	"Drones
			gyroscope, and magnetometer for motion detection, orientation	and
			control, and heading determination, along with a pressure sensor	ROV's
		8	for depth measurement. The robot must feature a full HD low-light	for DOM
			camera for clear underwater visibility, supported by two 1500-	Project"
	and the second s		lumen lights for illumination. The control system should include a	
	2832		joystick-based interface with a live video feed displayed on a	
	100 mg/s	:	laptop, auto-hold functionality for depth and position, and real-time	i pai turi
			video recording capability. The power system must have an	
			onboard battery providing at least 2 hours of operation.	1
11. Digi	ital Vernier Cal	liper		
11.1	Vernier	1	This digimatic caliper allows you to take reliable	Vernier
	Calliper (150		measurements with overall length of 233 mm with measurement	Caliper
	mm)		range of 0 - 152.4 mm and 0.01 mm resolution. AOS (Advanced	for DOM
			Onsite Sensor) induction type encoder used in top-of-the-line ABS	Project"
			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.	i gwillian i san aire i
11.2	Vernier	1	This vernier caliper should have four-way measurement capability	Vernier
	Calliper (300		for multiple applications: outside diameter (OD), inside diameter	calliper
	mm)		(ID), depth, and step. It should have a measurement length of 0 -	for DOM
			304.8 mm, overall length of 404 mm and 0.01 mm resolution. It	Project"
			features Origin-set, Zero-set, Inch/mm, Automatic, Data Output,	
			Low Voltage alarm, Counting Value Composition Error alarm.	
12. Wel	bsite designing a	and host		
12.1	Website	1	This aims to establish and develop a sleek, professional design,	Website -
	designing and		user-friendly website that will highlight major protective species	designing
	hosting		and facilitate easy exploration of the diverse marine	and
			and freshwater ecosystems in the country, ensuring all information	hosting
			is easily accessible on the website. The key features will be the easy	for DOM
		1	accessibility, mobile friendly and content modification	D:422
			accessibility, mobile friendly and content modification dynamically.	Project"



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			entre de la Calebra (la la partir de Barcollo de Mario de Albredo). La la Partir de Calebra (la la l	i i i i i i i i i i i i i i i i i i i
13.1	Tables	2	The table should be polished and base material of engineered wood	Office
			with minimum dimensions of 51D x 89W x 76H Centimeters. It	furniture
			should come with side drawers and lockers for storage.	
13.2	Sofa	1	The sofa should be of good quality and should contain high density	Office
	in the second of		foam. It should have length-191 cm, width- 87 cm and height- 92	furniture
			cm with a seating capacity of three people.	
13.3	Visiting Chair	3	It is a sophisticated and functional seating solution that seamlessly	Office
			should combine style with comfort. This chair is meticulously	furniture '
			designed to cater to the demands of both office and study	for DOM
			environments, offering users a supportive and ergonomic seating	Project" ~
			experience. The mid-back design provides essential lumbar	
			support, promoting a healthy posture during long hours of work.	
13.4	Computer	4	Office Chair with Arms, Tilt Mechanism, Heavy Duty Metal Base,	Office
	Chair	•	Adjustable Lumber Support & Adjustable Headrest Made for long	furniture
	Chan		hours at the desk - this chair should provide superior comfort and	for DOM
	1		support, allowing you to maintain proper posture throughout the	Project"
			workday.	
13.5	Lab chair	3	It should have dimension (lxwxh) of 45 x 48 x 60 cm providing	Office
			back support and comfort and should have moveable wheels.	furniture
14. Mu	Itichannel Pipet	te		
14.1	Pipette	1	With its multichannel configuration, the FinnPipette F2 allows for	Super
17.1	Multichannel	1	the simultaneous transfer of liquids across multiple wells or tubes,	scribe the
	TVIUITICH annier		making it ideal for applications such as high-throughput screening	quotation/
			and PCR setup. It should have volume of 10-100ul and 8 number	e-mail
			of channels. Built with durable materials, the FinnPipette F2 should	subject
	**************************************		ensure longevity and reliability, even in high-throughput laboratory	line with
			environments, the volume settings for each channel should display	"Multicha
				nnel
			in a color-coded format, allowing for quick and easy identification	
		. •	of the selected volumes, streamlining the pipetting process.	pipette for
			Equipped with a volume locking mechanism, the pipette should	DOM
			prevent unintentional changes to the set volumes during pipetting,	Project"
			maintaining data integrity.	
	NA equipments	and ac		
15.1	water sampler	1	Mounting: Cable clamps are for cable diameters up to and including	Super
			6.4mm (1/4").	scribe the
			Material: Non-metallic construction of PVC tube section, end	quotation/
			stoppers, handles and cable clamp blocks. Delrin stopcocks, air vent	e-mail
			screws and push rod. Stainless steel cable clamps. End stopper	subject
			closure band of	line with
		*	latex tubing. Buna-N O-ring seals. Nylon monofilament lanyards.	"E-DNA
Zoological	SHOW W	.:	End Closure: Stopper with spherical section sealing surface held	equipmen
ol India 19	я При при при при при при при при при при п	 गुजीववित्र	firmly against O-ring seal by internal latex tubing.	ts and
	120	المالادنان	Drainage: Thumbscrew air vent at top. Stopcock at base: 4.7mm इ. चेन्बई 600 028 /130. Santhome High Road, Chennai 600 028	accessorie
	3-0ue		<del>s, यन्त्राइ, 600 028 7130, Santhornic Filgh 170ad, Crieffial - 600 028</del> 642680/24641577/24643191 »फैक्स, 044-24642680 » ई-मेल mbrc@zsi.gov.in	
100 years of fo			680/24641577/24643191»Fax.:044-24642680»Email: mbrc@zsi.gov.in	

# पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय /MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE भारतीय प्राणि सर्वेक्षण /ZOOLOGICAL SURVEY OF INDIA

		T		
				s for
			(.187") diameter.	DOM
				Project"
15.2	Motor	1	Material is mixed cellulose esters (MCE) membrane	Super
	filtration unit		plain filter or white filter.	scribe the
			Parameter: 4 L/min-cm <sup>2</sup> air flow rate 60mL/min-cm <sup>2</sup> water flow	quotation/
			rate 75 °C max. temp.	e-mail
			Pore size: 0.45 μm pore size;	subject
			79 % porosity	line with
		-	Capacity: 160 μg/cm <sup>2</sup> adsorption capacity (insulin)	"E-DNA
	Land of the Control			equipmen
				ts and
		1 7		accessorie
	The second secon			s for
				DOM
	44.50			Project"
15.3	E-dna	1	It should be a light portable, battery operated pump of 10 bar	Super
	sampling		pressure (battery not included) used to collect eDNA samples in the	scribe the
	Solenoid		field. This low lift pump (max 1 m:3 feet) pulls water from the	quotation/
	Pump		water body, through the eDNA filter, trapping it in the filter.	e-mail
	No.		Francisco Landers of the first the first	subject
			to a DD form as in agriculture.	line with
			The matter of a figure polytic matter and the second of th	"E-DNA
				equipmen
			Toping the up to a facility of the cold facility of	ts and
				accessorie
				1
				s for DOM
15.4	Nylon disk	1	Nulan disas for antinonmental DNA (aDNA) filestian with the	Project"
13.4	Nylon disk	1	Nylon discs for environmental DNA (eDNA) filtration with the following specifications: monomer-cast nylon material, 30 cm	Super
	7.7			scribe the
	1		diameter, and 4 cm thickness. The disc should have drilled flow	quotation/
	l do not		lines with 11 mm diameter holes for efficient water passage and be	e-mail
			designed to support filter membranes in eDNA filtration systems.	subject
			It must be durable, wear-resistant, and suitable for repeated use in	line with
			various aquatic environments. These discs will be integrated into	"E-DNA
			our eDNA filtration apparatus to enhance the efficiency and	equipmen
			reliability of environmental DNA collection. Please provide a	ts and
			detailed quotation, including unit pricing, bulk order discounts,	accessorie
			warranty terms, and availability.	s for
				DOM
Zoologica of India 19		1-0-6	1393 ft 13 32 /M. 2015 Place Process	Project"
16. Kn	ife Hels	।जापाव रा	ानक्षेत्रीयकेन्द्र/Marine Biology Regional Centre	

समुद्रीजीवविज्ञानक्षेत्रीयकेन्द्र/Marine Biology Regional Centre

130, संथोमहाईरोड, चेन्नई- 600 028 /130, Santhome High Road, Chennai – 600 028
टेलीफोन:044- 24642680/24641577/24643191 »फैक्स: 044-24642680 » ई-मेल:mbrc@zsi.gov.in

Tel.:044-24642680/24641577/24643191»Fax::044-24642680»Email: mbrc@zsi.gov.in

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16.1	Knife	2	We require a durable knife with a 160mm Moly-Vanadium	Super
			stainless steel blade for precision and longevity. The handle should	scribe the
			be 100mm in length, made from green ABS scale material for a	quotation/
			secure grip. The knife must come with a nylon plastic sheath for	e-mail
	•		safe storage and transport. Dimensions should be Item Height:	subject
			20mm, Item Length: 13cm, and Item Width: 20mm. Please provide	line with
			a detailed quotation, including pricing, warranty, and availability.	"Knife for
استعد	iliniya watba ji			DOM
				Project"
16. Trolley and backpacks				, i j
16.1	Rucksack	2	A 60-liter capacity rucksack with dimensions of 23 cm (W) x 74	Super
	Bag		cm (H) x 28 cm (D) and a weight of 1300 grams. The material	scribe the
4.0			should be durable polyester with an aluminum stay and back system	quotation/
			ventilation for enhanced comfort and support during extended use.	e-mail
			The rucksack should feature top and front loading compartments,	subject
			compression straps for better load management, and an integrated	line with
			rain cover for weather protection. A minimum 18-month warranty	"Trolley
			iş required.	and
	ortholist of problems. The state of the stat			backpacks
				for DOM
				Project"
16.2	Trolley bag	1	A 75 cm large check-in hard-sided 4-wheeler luggage with a	Super
			spacious 123-liter capacity, suitable for extended travel. It should	scribe the
			be constructed from lightweight and durable polypropylene for	quotation/
			enhanced durability. The suitcase must feature 360-degree rotating	e-mail
			wheels for smooth maneuverability and an integrated number lock	subject
			for security. Dimensions should be 75 cm (L) x 54 cm (W) x 31 cm	line with
			(D). Please provide a detailed quotation, including pricing,	"Trolley
	The state of the s		warranty details, and any available accessories.	and
			我们的一个人不是什么好,谁可能要决定的事情。	backpacks
			"我是你们的一个一个一个一个一样的事情,不是一个一个一个一个一个	for DOM
				Project"
16.3	Trolley bag	1	A cabin-size hard-sided 4-wheeler trolley with dimensions of 56 cm	Super
		:	(L) x 36 cm (W) x 23 cm (D), designed for convenient air travel.	scribe the
			The trolley should be made of lightweight and durable	quotation/
			polypropylene for enhanced strength and longevity. It must feature	e-mail
			360-degree rotating wheels for smooth maneuverability and an	subject
			integrated number lock for added security. Please provide a detailed	line with
			quotation, including pricing, warranty details, and any available	"Trolley
			accessories.	and
				backpacks
Zoological of India 19	aurvey C			for DOM
4 657	دـــــــــــ	·	निक्षात्रीयकेन्द्र/Marine Blology Regional Centre इ. चेन्नई- 600 028 /130, Santhome High Road, Chennal – 600 028	Project"
Zeological of India 19	دـــــــــــ	·	ानक्षेत्रीयकेन्द्र/Marine Biology Regional Centre	for DOM

130, संथोमहाईरोड, चेन्नई- 600 028 /130, Santhome High Road, Chennai - 600 028 टेलीफोन:044- 24642680/24641577/24643191 »फैक्स: 044-24642680 » ई-मेल:mbrc@zsi.gov.in Tel::044-24642680/24641577/24643191»Fax::044-24642680»Email: mbrc@zsi.gov.in

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



Dr. BINEESH K.K.
Principal Investigator
Deep Ocean Mission Project, MoES
Marine Biology Regional Centre
Zoological Survey of India
Zoological Survey of 28:

