

Request for Quotation

Required product: Smart Patrol System

Delivery place: Field Office in Ubol Ratchathani and Chiang Rai

Ladies and Gentlemen,

GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit) GmbH has been working jointly with Rice Department (RD) in Thailand for implementing project Inclusive Sustainable Rice Landscapes in Thailand (ISRL) with the support of GEF (Global Environment Facility). The project targets to support Department of National Parks, Wildlife and Plant Conservation (DNP) to conserve protected forest, increase green spaces and reduce forest encroachment and forest fire in Phujong Nayoi National Park, Ubol Ratchathani and Doi Luang National Park, Chiang Rai. ISRL, then, plan to support SMART Patrol system and provide associated equipment. ISRL GIZ wish to purchase 8 goods items as follows:

1. 8 items for Phujong Nayoi National Park, Ubol Ratchathani

| | items |
|---|--|
| 1 | Camera Trap |
| 2 | GPS Map navigator |
| 3 | Army style field backpack with steel frame |
| 4 | Portable water purifier |
| 5 | Alkaline dry cell |
| 6 | Blower |
| 7 | Electric sprinkler sprayer |
| 8 | Headlamp |

2. 4 items for Doi Luang National Park, Chiang Rai

| | items |
|---|--|
| 1 | NCAPs camera |
| 2 | Drone |
| 3 | Hiking backpack |
| 4 | Forest Survival tracking (hiking sleeping bag, fly sheet, camping pot) |

ISRL requests each bidder to offer all the above-mentioned list according to the minimum specifications as stated in Term of Reference. The offer shall contain prices per unit, the cost of maintenance and training, and the overall price with confirmation that the company can and will provide after-sales services including training on the equipment. Further, the company has to demonstrate that it is able to provide maintenance services as well.

Please see Specification below for your consideration.

List of 8 items for Phujong Nayoi National Park, Ubon Ratchathani

| | items | Qty | Unit |
|---|--|------------|-------------|
| 1 | Camera Trap | 5 | pcs. |
| 2 | GPS Map navigator | 5 | pcs. |
| 3 | Army style field backpack with steel frame | 32 | pcs. |
| 4 | Portable water purifier | 50 | pcs. |
| 5 | Alkaline dry cell (box) 10 px of 5 pc. | 10 | pack |
| 6 | Blower | 10 | pcs. |
| 7 | Electric sprinkler sprayer | 10 | pcs. |
| 8 | Headlamp | 50 | pcs. |

Delivery at: Phuong Nayoi National Park
Moo 3, Tumbol Nachaluay
Amphur Nachaluay
Ubol Ratchathani, 34280
Tel: 0 4521 0706 , 064 232 5741

Specifications of 8 items for Pujong Nayoi National Park are as follows

1 Camera Trap

- Real-time Camera Trap supports 4G/LTE network with steel beam equipment with locking and camouflage devices
- Mobile SIM supports internet access 1 4G Pack/Set
- 1 SD CARD 32 GB Class 10

2 GPS Map navigator

- It is a tool to determine the coordinates on Earth using satellite signals in the GPS system.

- There is a rod-type receiver tower on the unit.
- The accuracy of the positioning is not more than 10 meters.
- Large color LCD monitor of at least 1.5 x 2.5 inches in color
- Displays coordinates for both UTM and Latitude/Longitude coordinate systems.
- Displays coordinates on international Datum (WGS84) and Datum that can be used in Thailand.
- Recording of location information at least 10,000 points and 250 routes can be built.
- Track Log for up to 20,000 points
- Automatic build track back
- The device is shock-resistant and IPX-7 waterproof.
- Bluetooth connection is available on mobile phones (some models) to display notifications.
- Can be powered by 2 AA batteries (Alkaline, NiMH, Lithium)
- Can be used well in the temperature of Thailand.
- There is a map of Thailand that can be displayed by showing the location of the district / branch / sub-district. , National Highway 1-4 main roads, Hospital roads, public works roads and municipal roads, major railway lines, railway stations, government offices and other important places more than 500,000 points nationwide, etc.
- Electronic compass and altimeter system by measuring atmospheric pressure
- Internal memory 16 GB
- Supports microSD cards up to 32 GB
- Ports for connecting to a PC via a USB high-speed USB port and USB mass storage display
- Supports wireless data transmission with Garmin Connect Mobile, supports BLUETOOTH
- Usage Menu Choose from both Thai and English

3 Army style Field Backpack with steel frame

- At the back of backpack has a reinforced steel frame to help with good load support.

- Fabric material is waterproof nylon.
- Backpack size: Width 54 cm. / Height 56 cm. Thickness 21 cm.
- Backpack weight 2.4 kg.

4 Portable Water Purifier

- Uses 0.1 Micron Absolute Filtration technology, which is a hollow tube. Hollow Fiber Membrane with a size of only 0.1 microns helps filter out bacteria, protozoa or cysts in water that cause harm.
- It can filter up to 99.99999% of all bacteria such as salmonella, cholera and E.coli, and remove up to 99.99999% of all protozoa such as giardia and cryptosporidium, as well as microplastics.
- The product filters have a filtration capacity that exceeds Environmental Protection Agency (EPA) standards.
- High strength filter can be cleaned, this makes it possible to reuse it over and over again.
- Easy to use, just connect to the faucet and turn on the water.
- It can filter up to 500 gallons of water per day.
- Small, easy to carry, and light at only 113 grams

5 Alkaline dry cell battery

- AA 1.5 volt, 10 pack of 5 pc.

6 Blower

- The size is not less than 7 horsepower, 2 stroke, Japanese standard, the air filter uses good materials and equipment, premium grade sticky plastic, and
- At least 1 year warranty

7 Electric Sprinkler Sprayer

- Battery Sprayer 16 Liter, Motor Sprayer Tank 2in1
- Used to spray COVID-19 disinfectant Indoor Houses, shops, etc.
- 2 System Battery and Rocker Easy to use, light and powerful.
- Pressure 6.8 bar
- Thick liquid tank with 1 year warranty
- Continuous use for 4-6 hours

8 Headlamp

- Flexible headband flashlight Laser Tube Model M-166
- 2000 meters long range, 1000 W brightness (white/yellow light) Power AC110-220V/50Hz-60Hz
- The electricity can be adjusted to as much or less brightness as desired.
- Battery capacity 2000mAh, lithium-ion battery, durable battery durable Up to 10 hours of use per charge per 1 charge.
- Light battery, easy to carry
- 100% water proof and resistant to rain
- Width 70 mm
- Legs can be leveled up and down.

Litst of 4 items for Doi Lunag National Park

| | Items | Qty | Unit |
|---|--|-----|--------|
| 1 | NCAPs camera | 10 | camera |
| 2 | Drone | 1 | drone |
| 3 | Hiking backpack | 60 | Pcs. |
| 4 | Forest Survival tracking (hiking sleeping bag, fly sheet, camping pot) | 2 | sets |

Delivery at: Doi Lunag National Park
Tumbol Maeyen, Amphur Pan,
Chiang Rai, 57280
Tel: 081 960 2456

Specifications of 4 items for Doi Luang National Park are as follows

1 NCAPS Camera

- The wireless camera trap, can send images to the mobile phone in real time.
Captures 8-megapixel stills and 1024 x 576 video
- Motion detection within 18 meters (60 feet)
- Shooting speed 0.6 seconds
- It has a 2.0-inch color LCD display.

- No light comes out of the camera body during night use.
- Compatible with 4, 8, or 12 AA batteries.
- Can be used with exterior lighting.
- SD 32 GB compatible

2 Drone

- Tri-Camera Main Camera Hasselblad
- Tele Lens 2, Body Hasselblad Camera 4/3 Inch CMOS Sensor 1x-3x Zoom 24mm f/2.8-f/11 20MP resolution
- Medium Tele Lens, 1/1.3-inch CMOS Sense, 3x-7xOptical Zoom, 70mm f/2.8 48MP resolution
- 1 /2" 7xOptical Zoom, 166mm 166mm 7xOptical Zoom Tele Sensing Lens f/3.4 12MP resolution
- Hasselblad 5.1K/50fps video, Medium Tele lens, 4K/60fps video tele
- 3-axis anti-vibration gimbal system , maximum flight time 43 minutes, fast flight 75 km/h, long flight distance 15 km (6-8 km in Thailand) Wind force level 6 (39-43 km/h)
- 8GB of internal memory, support for MicroSD up to 512GB, support for 10-bit D-log/D-Log-M/HLG
- Omnidirectional obstacle detection sensor system Intelligent Obstacle Course Advanced Return to Home (Advanced RTH) Flight, QuickShots, MasterShots, FocusTrack and Hyperlapse Intelligent Flight Modes
- Applicable to support/jointly use with DJI RC, DJI RC Pro, DJI RC Motion 2, DJI Goggles 2, DJI Goggles Integra, DJI Fly App

3 Hiking Backpack

- Hiking Bag, Capacity: 50 Liters, Weight: 1.35kg Size(cm): 58*27*14
- Fabric Material: Nylon Strap: Pearl Cotton Zipper: Nylon: Nylon Backpack Bag Material: Mesh Back, Quick Dry Lining Material: Polyester High Quality Carbon Structure Steel Strap: Artificial Nylon Suitable for Ordinary People: Common Color: Bright Yellow or Grey

4 Forest survival tracking (hiking sleeping bag + fly sheet + camping pot)

4.1 Hiking Sleeping bag

- Comfortable temperature. 10°C Minimum temperature: 5°C
- Sleeping comfortably Dimensions: 190 x 72 cm.
- Long zipper throughout the canvas, easy to move, weight: 1300 g Volume: 24 liters
- Can be connected to sleep for 2 people: by bringing 2 of the same sleeping bag to each other.
- Easy to maintain, easy to machine wash. Follow the care instructions.

4.2 Fly sheet

- A rectangular-shaped flysheet that is beautifully unfolded from the hiking track.
- material of Flysheet: high quality polyester fabric, the yarn density is 230T or dense on a good scale.
- designed to provide a waterproof coating throughout the fabric and a water-resistant tape seal at every sewing seam.
- fly sheet rope pulling loop with holes for the fly sheet pole at 8 points.
- There are 6 anchors with a size of 17 cm. Fly sheet rope with rope brace 6 lines with a length of 4 meters each.
- Dimensions when unfolded: 300×400 cm. Dimensions when stored 52X12 cm, weight 2.5 kg.

4.3 Camping Pot

- For 2 camping hikers MH100 (1.6 liters)
- Stainless steel cooker with a sturdy folding handle, easy-to-maintain, weight 560 Grams
- 1 cooker , 1 lid/grill, 2 soup plates (0.5 liters) and 3 cutlery 2 sets
- Easy to move, foldable handle locks the lid. x 10.5 cm
- Made of stainless steel for fast heating.
- Combination use with other products: to cook anywhere. This product can be used with all types of ignition devices (no, gas, induction, etc.).

Bid submission

Please submit the bid in 2 documents: (1) Specification of proposed product and (2) Price of proposed product. The price offer should be in a sealed envelope and to be placed inside the big envelope containing specifications. **Bid should be submitted to GIZ Office Bangkok by hand or by post (refer to post stamp date) on or before (04 May 2025).**

If there is any question, please contact Procurement Unit at TH_Quotation@giz.de with subject: Question for PO 91187244