



ବାଲେଶ୍ଵର ବନ୍ୟଜୀବ ବନଖଣ୍ଡ, ବାଲେଶ୍ଵର
OFFICE OF THE DIVISIONAL FOREST OFFICER
BALASORE WILDLIFE DIVISION
At/Po: KURUDA, Dist.: BALASORE, ODISHA-756056
Phone No: 06782-256142 e-mail: dfo.balasorewl@odisha.gov.in

Letter No. 1397 /1F Dated. 11.02.25

To

The Deputy Director (Advertisement),
Information and Public Relation Department,
Govt. of Odisha, Bhubaneswar.


Sub: - Publication of Tender Notice for Procurement of One(01) UAV (DRONE) with battery combo pack (Battery kit, Speaker and RTK module) for Balasore Wildlife Division -reg.

Sir,

Enclosed, please find herewith the details of advertisement for Procurement of one(01) UAV (DRONE) with battery combo pack (Battery kit, Speaker and RTK module) for Balasore Wildlife Division (in both hard & soft copy). The details tender documents & terms & condition shall be available on the website www.balasore.odisha.gov.in & www.odishaforest.in from 14.02.2025 onwards.

Therefore, in enclosing herewith an abridged Notice of Balasore Wildlife Division in English, I would request you to kindly publish the same in two leading Odia daily and One English Daily Newspapers of the State by 13.02.2025 positively and send a complimentary copy of the same to this office for record and reference.

Yours faithfully


Divisional Forest Officer
Balasore Wildlife Division

Memo No. 1398 dt. 11.02.25

Copy along with the copy of the abridged notice submitted to the Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha, Bhubaneswar for favour of kind information and necessary action.


Divisional Forest Officer
Balasore Wildlife Division

Memo No. 1399 dt. 11.02.25

Copy along with the copy of the abridged notice submitted to the Chief Conservator of Forests (IT & GIS), O/o of the PCCF & HoFF, Odisha, Bhubaneswar for favour of kind information and necessary action.


Divisional Forest Officer
Balasore Wildlife Division

Memo No. 1400 dt. 11.02.25

Copy along with the copy of the abridged notice submitted to the Field Director, Similipal Tiger Reserve-cum-Regional Chief Conservator of Forests, Baripada for favour of kind information and necessary action.


Divisional Forest Officer
Balasore Wildlife Division

Memo No. 1401 dt. 11.02.25

Copy along with the copy of the abridged notice submitted to the Manager, District, Balasore e-gov.balasoredistrict for information and necessary action. He/She is requested to upload the Tender Notice in District Website at the earliest for wide publicity.


Divisional Forest Officer
Balasore Wildlife Division

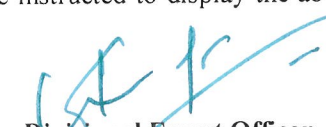
Memo No. 1402 dt. 11.02.25

Copy along with the copy of the abridged notice forwarded to all Divisional Forest Officer (T & NT), Odisha, for information and necessary action. It is requested to display the above said Tender Notice in their office Notice Board.


Divisional Forest Officer
Balasore Wildlife Division

Memo No. 1403 dt. 11.02.25

Copy along with the copy of the abridged notice forwarded to all Range Officer, Balasore Wildlife Division, Balasore for information and necessary action. They are instructed to display the above Tender Notice in their office Notice Board for wide publicity.


Divisional Forest Officer
Balasore Wildlife Division



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OFFICE OF THE DIVISIONAL FOREST OFFICER
BALASORE WILDLIFE DIVISION

At/Po: KURUDA, Dist.: BALASORE, ODISHA-756056

Phone No: 06782-256142 e-mail: dfo.balasorewl@odisha.gov.in

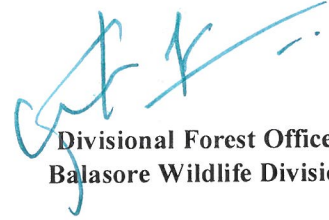
SHORT TENDER NOTICE

Tender No. **4** /2024-25 Dated: - 11.02.2025.

Divisional Forest Officer, Balasore Wildlife Division on behalf of Governor of Odisha invites sealed tenders from reputed intending Manufacturing Firms/ Dealers/ Suppliers having valid GSTIN and PAN Registration No. for procurement of One (01) UAV (DRONE) with battery combo pack (Battery kit, Speaker and RTK module). The tender papers with detailed terms and conditions will be available in the website www.balasore.odisha.gov.in and www.odishaforest.in in the Office of the DFO, Balasore Wildlife Division, Balasore on payment of Rs. 1,000/- (One thousand) only in cash or Account Payee Bank Draft in favour of Divisional Forest Officer, Balasore Wildlife Division, Balasore during office hours from **14.02.2025 to 25.02.2025**. The Tender Papers can be submitted at the below mentioned address on or before **25.02.2025 latest by 05.00PM** by Speed Post/ registered post/ by hand only. The tender will be opened in the office of the undersigned on **27.02.2025 at 11.30 AM**.

Post/Courier: **Divisional Forest Officer, Balasore Wildlife Division, At/Po–Kuruda, Balasore Pin-756056.**

Email-id: dfo.balasorewl@odisha.gov.in

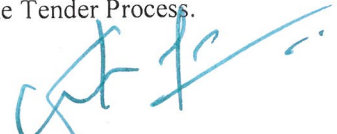

Divisional Forest Officer
Balasore Wildlife Division

1. General Instructions (Necessary support documents are to be enclosed)

- A. The tender process will be of two bid system-Technical Bid and Financial bid process. The tenderer should submit two separate sealed covers mentioning Technical Bid & Financial Bid. The tenderer which qualifies in Technical Bid only will be eligible to participate in Financial Bid.
- B. The Bid must Contain the Requisite Tender Document Cost of Rs.1000/- and EMD of Rs. 30,000/- as per the advised mode in the technical tender document. The Bid documents can be obtained from the office of the undersigned on payment of requisite fee or can be downloaded from website **www.balasore.odisha.gov.in and www.odishaforest.in from 11:00 AM of 14.02.2025 for bidding.**
- C. EMD should be in the shape of Demand Draft issued by a nationalized or scheduled bank in favour of “The Divisional Forest Officer, Balasore Wildlife Division, Balasore” Payable at Balasore. The bid document is available on working day in the office of the undersigned.
- D. The bidder must have valid GSTIN and must furnish the GST Registration certificate, GST Clearance certificate, PAN, IT and GST return for 2021-22 to 2023-24 in the bid documents.
- E. Last date of bid submission (by messenger / Courier / Post)- **25.02.2025 05:00PM** in the office of the Divisional Forest Office, Balasore Wildlife Division, Balasore.
- F. Date of bid opening – **27.02.2025 at 11.30 AM** in the office of the Divisional Forest Officer, Balasore Wildlife Division, Balasore.
- G. Tenderers have to mention the Company, Model, Manufacture year and detailed Technical Specifications of the Procurement of one (01) UAV (DRONE) with battery combo pack (Battery kit, Speaker and RTK module) in the Technical Bid. The Tender Evaluation Committee will scrutinize and verify the model & Specifications on the same date and will open the Financial Bids of technically qualified bidders.
- H. The decision of the Tender Evaluation Committee shall be final. The committee has right to alter/modify/add/delete any terms and conditions of the tender call notice. The committee also reserves the right to cancel the Tender process at any point of time without mentioning the reasons thereof.
- I. The Cost of tender paper of Rs. 1000/- and EMD cost of Rs.30,000/- in the shape of Demand Draft issued by a nationalized or scheduled commercial bank should be enclosed in technical bid only and not in financial bid.

Terms & Conditions:

1. The bidders shall mention details of the Company, Model, Manufacture year and detailed Technical Specifications of the UAV (DRONE) WITH COMBO PACK (BATTERY KIT, SPEAKER, LANDING PAD AND RTK MODULE) sets in the Technical Bid.
2. The bidders can also indicate any superior technical specifications.
3. The successful bidder must give training for minimum 7 days to the staff for use of the Procurement of one (01) UAV (DRONE) with battery combo pack (Battery kit, Speaker and RTK module) sets.
4. The Bidder must satisfy all the Eligibility Criteria to participate in the Tender Process.


**Divisional Forest Officer
Balasore Wildlife Division**

UAV (DRONE) WITH COMBO PACK (BATTERY KIT, SPEAKER, LANDING PAD AND RTK MODULE) ALONG WITH TRAINING AT FIVE LOCATIONS

Specification

Quantity: 1 Unit

Aircraft

- i. Weight (with propellers, without accessories):-920g.
- ii. Dimensions:-Folded (without propellers):-221 x 96.3 x 90.3 mm (L x W x H)
Unfolded (without propellers):-347.5 x 283 x 107.7 mm (L x W x H)
- iii. Maximum flight time (no wind):- 45 Minutes
- iv. Maximum hover time (no wind):- 38 Minutes
- v. Maximum flight distance:-32KM
- vi. GNSS:- GPS + Galileo + BeiDou + GLONASS (GLONASS is supported only when the RTK module is enabled)
- vii. Operating temperature range:- -10⁰ C to 40⁰ C
- viii. Beacon:- Built into the Aircraft.
- ix. Centimeter-level Positioning with RTK

Wide Camera

- i. Sensor: 1/2-inch CMOS, Effective pixels: 48 MP
- ii. Lens: FOV: 84°, Format Equivalent: 24 mm, Aperture: f/2.8, Focus: 1 m to ∞
- iii. ISO Range: 100-25600
- iv. Shutter Speed: Electronic Shutter: 8-1/8000 s
- v. Max Image Size: 8000×6000
- vi. Still Photography Modes: Single: 12 MP/48 MP, timed: 12 MP/48 MP, JPEG: 2/3/5/7/10/15/20/30/60 s*, Panorama: 12 MP (raw image); 100 MP (stitched image), Smart Low-light Shooting: 12 MP * Shooting 48MP photo does not support 2s interval
- vii. Video Resolution H.264, 4K: 3840×2160@30fps, FHD: 1920×1080@30fps
- viii. Bitrate: 4K: 85 Mbps, FHD: 30 Mbps
- ix. Supported File Formats exFAT
- x. Photo Format: JPEG
- xi. Video Format MP4 (MPEG-4 AVC/H.264)

Tele Camera

- i. Sensor 1/2-inch CMOS, Effective pixels: 12 MP
- ii. Lens FOV: 15°, Format Equivalent: 162 mm, Aperture: f/4.4, Focus: 3 m to ∞
- iii. ISO Range: 100-25600
- iv. Shutter Speed Electronic Shutter: 8-1/8000 s
- v. Max Image Size 4000×3000
- vi. Photo Format JPEG
- vii. Video Format MP4 (MPEG-4 AVC/H.264)
- viii. Still Photography Modes: Single: 12 MP, Timed: 12 MP, JPEG: 2/3/5/7/10/15/20/30/60 s, Smart Low-light Shooting: 12 MP
- ix. Video Resolution H.264, 4K: 3840×2160@30fps, FHD: 1920×1080@30fps
- x. Bitrate: 4K: 85 Mbps, FHD: 30 Mbps
- xi. Digital Zoom 8x (56x hybrid zoom)

Thermal Camera

- i. Thermal Imager Uncooled VOX Microbolometer
- ii. Pixel Pitch- 12 μm
- iii. Frame Rate- 30 Hz

- iv. Lens DFOV: 61°, Format Equivalent: 40 mm, Aperture: f/1.0, Focus: 5 m to ∞
- v. Sensitivity $\leq 50 \text{ mk@F1.1}$
- vi. Temperature Measurement Method Spot Meter, Area Measurement
- vii. Temperature Measurement Range -20° to 150° C (-4° to 302° F, High Gain Mode), 0° to 500° C (32° to 932° F, Low Gain Mode)
- viii. Palette White Hot/Black Hot/Tint/Iron Red/Hot Iron/Arctic/Medical/Fulgurite/Rainbow 1/Rainbow 2
- ix. Photo Format- JPEG (8-bit), R-JPEG (16-bit)
- x. Video Resolution- 640×512@30fps
- xi. Bitrate- 6 Mbps
- xii. Video Format- MP4 (MPEG-4 AVC/H.264)
- xiii. Still Photography Modes: Single: 640×512, Timed: 640×512, JPEG: 2/3/5/7/10/15/20/30/60 s
- xiv. Digital Zoom- 28x
- xv. Infrared Wavelength- 8-14 μm
- xvi. Infrared Temperature Measurement Accuracy $\pm 2^\circ \text{C}$ or $\pm 2\%$ (using the larger value)

Battery- One with drone and two with combo pack

- i. Capacity- 5000 mAh
- ii. Standard Voltage-15.4 V
- iii. Max Charging Voltage-17.6 V
- iv. Type- LiPo 4S
- v. Chemical System- LiCoO₂
- vi. Energy- 77 Wh
- vii. Weight- 335.5 g
- viii. Charging Temperature- 5° to 40° C (41° to 104° F)

Charger

- i. Input- 100-240 V (AC Power), 50-60 Hz, 2.5 A
- ii. Output Power- 100 W
- iii. Output Max- 100 W (total) when ports are used, the maximum output power of each interface is 82 W, and the charger will dynamically allocate the output power of the two ports according to the load power.

Charging Hub

- i. Input- USB-C 5-20 V, 5.0 A
- ii. Output Battery Port- 12-17.6 V, 8.0 A
- iii. Rated Power 100 W
- iv. Charging Type- Three batteries charged in sequence
- v. Charging Temperature Range- 5° to 40° C (41° to 104° F)

RTK Module – 1Nos

- i. Dimensions- 50.2×40.2×66.2 mm (L×W×H)
- ii. Weight- 24±2 g
- iii. Interface- USB-C
- iv. Power Approx.- 1.2 W
- v. RTK Positioning Accuracy RTK Fix: Horizontal: 1 cm + 1 ppm; Vertical: 1.5 cm + 1 ppm

Speaker – 1nos

- i. Dimensions- 114.1×82.0×54.7 mm (L×W×H)
- ii. Weight- 85±2 g
- iii. Interface- USB-C
- iv. Rated Power- 3 W
- v. Max Volume- 110 dB @ 1 m
- vi. Effective Broadcast Distance- [11] 100 m @ 70 dB

- vii. Bit Rate- 16 Kbps/32 Kbps
- viii. Operating Temperature Range - 10° to 40° C (14° to 104° F)

The UAV (DRONE) shall consist of the following components as one unit:

- i. Aircraft – 1nos
- ii. Intelligent Flight Battery – 1nos
- iii. microSD Card 64GB – 1nos
- iv. Gimbal Protector – 1nos
- v. Series Propellers (Pair) – 6nos
- vi. RC Pro Enterprise – 1nos
- vii. Screwdriver – 1nos
- viii. USB-C Power Adapter (100W) – 1nos
- ix. 100W Power Adaptor AC Cable – 1nos
- x. USB-C Cable – 1nos
- xi. USB-C to USB-C Cable – 1nos
- xii. Protector Case – 1nos
- xiii. RTK Module – 1nos
- xiv. Combo Battery Kit – 1nos
- xv. SanDisk Extreme- 512GB V30 A2 microSDXC - 1nos
- xvi. Card reader for microSD card / SD card – 1nos
- xvii. Speaker – 1nos
- xviii. Landing pad – 2nos
- xix. Training – 5 Locations



Additional mandatory Terms and Conditions for qualifying in the Technical BID.

1. Copies of GST returns (**FY 2024-25 till latest month**), Income Tax return (**Last three Financial Years**) along with copies of PAN and Valid GST registration Certificate shall be submitted along with the technical BID.
2. **EMD:** The value of Earnest Money to be deposited by the bidder shall be Rs.30,000/-. EMD should be in the form of Demand Draft / electronically from any Nationalized Bank in favour of Divisional Forest Officer, Balasore Wildlife Division, Balasore and must be accompanied with the technical bid. For unsuccessful tenderer EMD shall be refunded immediately after Finalization of the bid. EMD shall be forfeited if the L1 bidder fails to accept the order within 5 days from the date of issue of contract order.
3. **Experience Criteria:** The Bidder should have supplied UAV (DRONE) to any Govt. Department of Odisha Government / Central Government for 2 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support. (Copy of Purchase Order / Supply Order / GeM Contract shall be submitted by the bidder for technical qualification). Tampering of Purchase Order / Supply Order / GeM Contract by the sellers shall be rejected outrightly without assigning any reason thereof). Legible copy of the Purchase Order / Supply Order / GeM Contract shall be submitted for technical qualification, if not the sellers shall be rejected outrightly without assigning any reason thereof.
4. **Security Deposit / BG:**
 - a) The supplier shall be responsible for any rectification of problems within the warranty period of 01 (one) year. Replacement of any parts within the warranty period shall be on the part of the supplier.
 - b) The supplier should provide the service report to the purchaser. After Award of contract to the successful bidder, the supplier shall deposit 3% of the contract value in form of demand draft / FD Pledge in favour of Divisional Forest Officer, Balasore Wildlife Division, Balasore for Bank Guarantee/Security Deposit within 15 days of Award of contract. After receipt of the Security Deposit only payment shall be made to the supplier. The Security Deposit shall only be returned to the supplier on demand without interest after following all conditions mentioned above.
5. Only OEM or Authorized Seller of OEM shall be allowed to participate in the BID. The certificate to this effect shall be submitted. Preference shall be given to gold partner and above.
6. **Delivery: 15 days from issue of Contract Order. Non-delivery within the date as in the contract order shall attract penal charges as per Govt. Guidelines.**
7. Undertaking that all the certificates / permissions / documents are valid and current as on date and have not been withdrawn / cancelled by the issuing authority. The Authority have right to ask for original documents if any doubt arises.
8. **Only those bidders, who participate in the post-bid enquiry physically, shall be accepted for qualifying for the Technical BID if they are found to fulfil all the technical parameters as mentioned in the BID document. All bidders willing to participate in the Technical Bid physically shall have to attend the post-Bid enquiry. During post-bid enquiry meeting the Bidder shall make a PowerPoint Presentation about the equipment they will be quoting. Bidders not attending the post-bid enquiry shall be disqualified in Technical Bid.**
9. The bidders are requested to submit the details about their product in their letter head, duly signed during submission of technical bid. Basing on their product specification, and other requirement as pre the terms and conditions in the BID technical evaluation shall be made, thereafter acceptance of technical BID, online through GeM, in the following format:

Sl. No.	Parameters floated	Parameters offered
10. Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings should not be bankrupt. Bidder to upload undertaking to this effect with bid.
11. **Scope of supply (Bid price to include all cost components): Supply Installation Testing Commissioning of Goods and Training of operators. Training shall be given at the Five Range Headquarters, if the bidder fails to complete the training within 30days of receipt of the**




materials at the five locations as decided by the Divisional Forest Officer, Balasore Wildlife Division, Balasore then an amount of Rs. 5000/- shall be deducted for each training with a total of Rs.25,000/- for the five trainings from the billed amount. An undertaking to the effect shall be given along with the technical bid.

12. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.
13. Warranty period of the supplied products shall be 01 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods at consignee location. The seller should guarantee the rectification/replacement of goods in case of any break down during the warranty period.
14. The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price.
15. **Scope of supply includes Transportation, Installation (Installation shall be done at the Office of the Divisional Forest Officer, Balasore Wildlife Division, Balasore, Odisha), Commissioning and GST Charges to be included in the bid. The L1 bidder shall submit the equipment and the accessories to the Divisional Forest Officer, Balasore Wildlife Division, Balasore, Odisha physically by hand only or sealed pack. Tampering of packed in any form, the material shall not be accepted. No other modes shall be accepted for receiving the items. Only after successful operation of the item's payment shall be made. Field testing (both day and night) shall be done in presence of the supplier; if the equipment is found functioning in all aspect, then only the product shall be accepted else it would be rejected without assigning any reason thereof. Flying test shall be obligatory on the part of the supplier at the location within the jurisdiction of the Divisional Forest Officer, Balasore Wildlife Division, Balasore, Odisha.**
16. Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if: i) The Seller fails to comply with any material term of the Contract. ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent. iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly. iv) The Seller becomes bankrupt or goes into liquidation. v) The Seller makes a general assignment for the benefit of creditors. vi) A receiver is appointed for any substantial property owned by the Seller. vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
17. Non-compliance of any of the Terms & Conditions mentioned in the Bid, the bidder / seller shall be rejected.


Divisional Forest Officer
Balasore Wildlife Division

Installation Certificate to be submitted after installation by the Supplier.

Sl. No.	Name of the site	GPS Location	Range/ Section/ Beat	Name and designation of the Forest Staff present during installation
Signature of Authorized personnel involved in installation				


Divisional Forest Officer
Balasore Wildlife Division

FORM-A

Technical Bid for Procurement of one (01) UAV (DRONE) with battery combo pack (Battery kit, Speaker and RTK module) for DFO, Balasore Wildlife Division, Balasore

1. Name of the Bidder/Organization:-
2. Detailed Address of Bidder:-
3. E-mail ID: _____
4. Telephone/Mobile No.: _____
5. PAN No.: _____
6. GST No.: _____
7. Period of clearance of GST: _____
8. Income Tax Clearance Enclosed in separate sheet.
- 9.

Sl. No	Name of the Company	Model	Manufacture Year	Warranty Period	Maintenance Services

Certified that the information provided above is true and the organization has never been ebarred or black listed by any Government Organization.

Date:
Place:

Name & Signature of the Tenderer

FORM-B

Financial Bid for Procurement of one (01) UAV (DRONE) with battery combo pack (Battery kit, Speaker and RTK module) for DFO, Balasore Wildlife Division, Balasore

1. Name of the Bidder/Organization

2. Detailed Address of Bidder

3. E—mail ID: _____

4. Telephone/MobileNo.: _____

5. Unit Cost of UAV (Drone): _____

6. Admissible Tax per unit cost of material(in Rs): _____

7. Transport Charges of UAV (Drone) if, any (in Rs): _____

8. Total (SINo.5+6+7)unit cost of UAV (Drone) (inclusive of all) (in Rs): _____

9. Total Financial bid amount for 1 no.UAV (Drone).

10. Amount of EMD in shape of demand draft enclosed: _____

Certified that the information provided above is true to the best of my knowledge.

Date:
Place:

Name & Signature of the Tenderer