



OFFICE OF THE DIVISIONAL FOREST OFFICER, REDHAKHOL FOREST DIVISION

Mobile No:- 9437054951, Email ID:- dfo.redhakhhol@odisha.gov.in

Letter No. 2010

Dt. 13.04.2026

To

The Deputy Director,
Information and Public Relation Department (Adv)
& Deputy Secretary to Govt. of Odisha
Bhubaneswar, E-mail – ipr.advt@gmail.com

Sub:- Publication of Advertisement for **Procurement of Drone Photogrammetry & 3D Mapping Software (Perpetual License)** for Redhakhhol Forest Division for the year 2026-27

Sir,

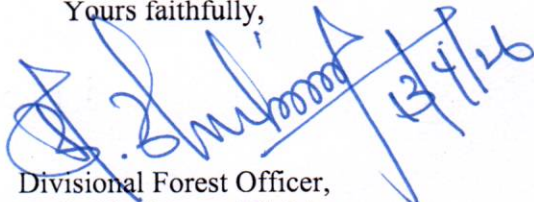
Enclosed, please find herewith copy of advertisement for Procurement of **Drone Photogrammetry & 3D Mapping Software (Perpetual License)** for Redhakhhol Forest Division for the year 2026-27 both in Hard and Soft Copy (Through email). I would request you to kindly make necessary arrangement for publication of the same at least in two leading Odia Daily News Paper and two English Newspaper (*The Hindu and Times of India*) of National Presence as early as possible.

The Concerned Advertisement Manager may kindly be instructed to send complimentary copies of the same newspapers containing the Advertisement to the undersigned immediately after its publication for records in this office.

An early action in this matter is requested.

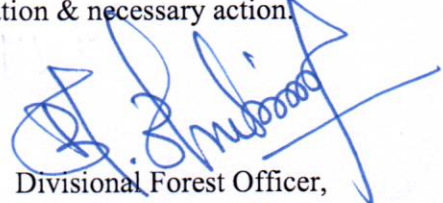
Encls: As above

Yours faithfully,


Divisional Forest Officer,
Redhakhhol Forest Division.

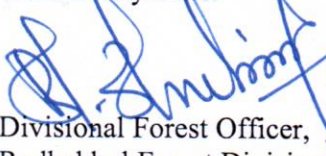
Memo No 2011 Dt. 13.04.2026

Copy forwarded to the Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha, Bhubaneswar for favour of kind information & necessary action.


Divisional Forest Officer,
Redhakhhol Forest Division

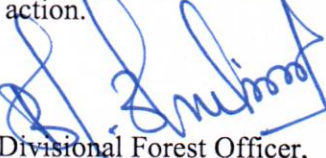
Memo No. 2012 Dt. 13-04-2026

Copy along with its enclosure submitted to the Additional Principal Chief Conservator of Forests, (IT & GIS), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for information and necessary action. He is requested to upload the above said Invitation for limited tender notice the Web-site of PCCF, Odisha at nearly Date.


13/4/26
Divisional Forest Officer,
Redhakhol Forest Division.

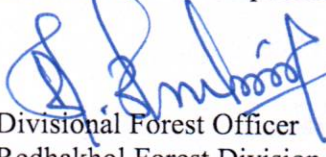
Memo No. 2013 Dt. 13-04-2026

Copy along with its enclosure submitted to the Regional Chief Conservator of Forests, Sambalpur for favour of kind information and necessary action.


Divisional Forest Officer,
Redhakhol Forest Division.

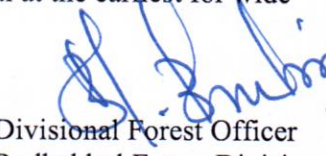
Memo No. 2014 Dt. 13-04-26

Copy along with the copy of the abridged notice submitted to the District Information Officer, NIC, Collectorate, Sambalpur for information and necessary action. He is requested to upload the limited tender notice in District NIC Portal at the earliest for wide publicity.


Divisional Forest Officer
Redhakhol Forest Division

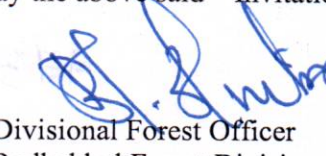
Memo No. 2015 Dt. 13-04-2026

Copy along with the copy of the abridged notice forwarded to the District e-Governance Manager (DeGM), Collectorate, Sambalpur for information and necessary action. He is requested to upload the limited tender notice in District NIC Portal at the earliest for wide publicity.


Divisional Forest Officer
Redhakhol Forest Division.

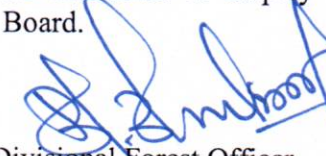
Memo No. 2016 Dt. 13-04-2026

Copy along with its enclosure forwarded to all Divisional Forest Officer (T & NT) Odisha for information and necessary action. It is requested to display the above said Invitation for limited tender notice in their office Notice Board.


Divisional Forest Officer
Redhakhol Forest Division

Memo No. 2017 Dt. 13-04-2026

Copy along with its enclosure forwarded to all Range Officers, Redhakhol Forest Division, Redhakhol for information and necessary action. They are instructed to display the above said Invitation for limited tender notice in their Office Notice Board.


Divisional Forest Officer
Redhakhol Forest Division



OFFICE OF THE DIVISIONAL FOREST OFFICER, REDHAKHOL DIVISION
Mobile No:-9437054951, Email ID:-dfo.redhakhol@odisha.gov.in

Short Notice


Notice No. 002 Dated – 13.04.2026

**Procurement of Drone Photogrammetry & 3D Mapping Software
(Perpetual License) for Redhakhol Forest Division**

Divisional Forest Officer, Redhakhol Forest Division invites intending suppliers/software vendors/ suppliers / manufacturers/agencies for supply of Drone Photogrammetry & 3D Mapping Software (Perpetual Licence) during the year 202627. The details of tender document is also available on the district website <https://tendersodisha.gov.in> or <https://sambalpur.odisha.gov.in> or www.redhakholforest.com.

You may submit your responses in online portal in prescribed format to the undersigned latest by 21.04.2026 on or before 05.30 PM.

SI No.	Critical Dates	Date	Time
1	Publishing Date	14.04.2026	-
2	Bid Submission Start Date	14.04.2026	11.00 AM
3	Bid Submission End Date	21.04.2026	05.30 PM
4	Bid Opening Date	22.04.2026	11.00 AM


Divisional Forest Officer,
Redhakhol Forest Division



OFFICE OF THE DIVISIONAL FOREST OFFICER: REDHAKHOL DIVISION

Mobile No: - 9437054951 Email ID:- dfo.redhakhol@odisha.gov.in

Notice No. 002 / Dated. 13.04.2026

LIMITED TENDER NOTICE

Whereas quotation from intending suppliers/software vendors for supply of Drone Photogrammetry & 3D Mapping Software (Perpetual Licence) to Redhakhol Forest Division during the year 2025-26, are invited from the intending suppliers / manufacturers/agencies through issue of quotation call notice for supply of the same within 7 days from the publication of this notice.

1. The sealed quotations accompanied by technical brochure / documentation of the Drone Photogrammetry & 3D Mapping Software (Perpetual Licence) should reach the undersigned within 15 days from the date of publication of this notice.
2. The purchase order may be placed in full or part thereof as per availability of funds.
3. The quotation must be submitted from **date 14.04.2026 to 21.04.2026 (5.30 PM)** by the bidder.
4. The quotations will be opened on dated **22.04.2026 at 11.00 A.M** in this Office & lowest bidder (L1) selected by a committee constituted for this purpose.
5. The Drone Photogrammetry & 3D Mapping Software (Perpetual Licence) should be supplied / activated within 07 days of placement of the order.
6. The Perpetual Licence activation key/certificate should be delivered to the O/o the DFO, Redhakhol Forest Division at their own cost.
7. Any licence supplied in non-activatable / defective condition should be replaced within the next 07 days at the vendor's own cost.
8. All the Software Licences should be supplied as per specifications selected by the Limited Tender Notice or else the order deems to be cancelled.
9. The price quoted should be inclusive of all taxes (GST, etc.).
10. Payment will be made through RTGS / Account deposit after receipt of valid Perpetual Licence keys and satisfactory activation as per placement order.
11. The authority reserves the right to accept or reject the quotations without assigning any reason thereof.

Divisional Forest Officer,
Redhakhol Forest Division.

Technical Specifications of Drone Photogrammetry & 3D Mapping Software **(Perpetual Licence)**

1. Licence Type

- a. Perpetual / Permanent licence (one-time purchase with no recurring annual subscription fees).
- b. Licence must be bindable to a single computer / device and transferable to other computers on need basis.
- c. Offline activation mode must be supported (i.e., the software must be operable without continuous internet connectivity).

2. 2D Reconstruction & Mapping

- d. Generation of high-resolution True Digital Orthophoto Map (TDOM) from visible-light imagery.
- e. Generation of Digital Surface Model (DSM) and Digital Elevation Model (DEM).
- f. Support for 1:500 mapping accuracy standards when paired with RTK-equipped mapping drones.
- g. Radiometric correction and generation of reflectance maps for remote sensing applications.

3. 3D Reconstruction

- h. Photogrammetry-based 3D mesh model generation from aerial photographs.
- i. Point cloud generation and export in standard formats (LAS, PLY, PCD).
- j. Support for 3D Gaussian Splatting or equivalent photorealistic 3D model generation technology.
- k. Import support for third-party LAS point cloud files.

4. LiDAR Data Processing

- l. Deep integration of LiDAR point cloud data and visible-light imagery.
- m. Simultaneous generation of high-precision point clouds, 2D orthomaps, and 3D mesh models from a single LiDAR acquisition.
- n. LiDAR point cloud accuracy optimisation support.

5. Multispectral Reconstruction

- o. Processing of multispectral imagery to generate vegetation index maps including NDVI (Normalized Difference Vegetation Index) and NDRE (Normalized Difference Red Edge).
- p. Radiometric calibration and reflectance map generation for agricultural and forestry applications.
- q. Compatible with multispectral drone payloads operating in relevant spectral bands.

6. Mission Planning & Data Acquisition

- r. Integrated mission planning module with Waypoint, Area, and Oblique flight modes.
- s. Configurable parameters including altitude, speed, gimbal tilt, heading, and camera settings.
- t. Real-time live orthomosaic (2D map) generation during active drone flight.
- u. KML file import support for area delineation.

7. Measurement & Analysis Tools

- v. Linear distance, area, and volumetric measurement tools on 2D and 3D outputs.

- w. Photo inspection and annotation tools for multi-team data communication.
- x. AI-assisted object classification and machine-learning pipeline support.

8. Output Formats

- y. 2D outputs: GeoTIFF (orthomosaic / TDOM), DSM/DEM rasters.
- z. 3D mesh outputs: OBJ, PLY, B3DM (3D Tiles), S3MB.
- aa. Point cloud outputs: LAS, PNTS, PLY, PCD.

9. Drone / Payload Compatibility

- bb. Must support data processing from enterprise-grade mapping drones equipped with full-frame / large-format cameras
- cc. Must support LiDAR data from compatible airborne LiDAR payloads
- dd. Must support data from RTK-enabled survey drones for high-accuracy GCP-free mapping.

10. Minimum System Requirements

- ee. Operating System: Windows 10 (64-bit) or above.
- ff. RAM: Minimum 32 GB.
- gg. GPU: NVIDIA dedicated graphics card with minimum 4 GB VRAM and compute capability ≥ 6.1 (NVIDIA GTX 1060 class or above).
- hh. Storage: Minimum 500 GB free SSD space for project data.

11. Warranty & Support

- ii. Free software updates / upgrades must be included for a minimum period of 1 (one) year from the date of activation.
- jj. Technical support and valid software documentation to be provided along with the licence.
- kk. Vendor to demonstrate software functionality before final acceptance of supply order.


Divisional Forest Officer,
Redhakhol Forest Division.