

कार्यालय छपरा नगर निगम, सारण ।

NIT- No-09/2026-27(E- Tender. www.eproc2.bihar.gov.in.)

Memo No- 1680

Date: 22/07/2026

SHORT NOTICE INVITING TENDER (NIT No- 09/2026-27)

Invitation for Bids for Aerial Photography Services/LiDAR survey for

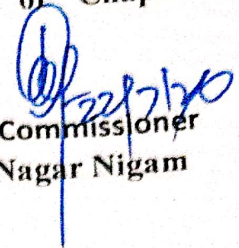
Chapra Nagar Nigam.

The Chapra Nagar Nigam, Chapra invites E- Tender from eligible and experienced agencies/consultant for providing solution regarding aerial photography services for Chapra Nagar Nigam, Chapra area spanning **35 Sq. Km.** The services are required to facilitate urban planning (in terms of drainage and road network development, water body rejuvenation etc.) infrastructure development, enhancing urbanization potential and other related purposes.

Sr.No.	Activity	Timeline & Address
1	Date of invitation Tender	Date-22/07/2026
2	Date of uploading & Downloading of Bid Document	From 29 / 07 / 2026 (11:00 Hrs) Till 07/08/2026 (15:00 hrs).
3	Place & Date of pre-bid meeting	30/07/2026, (15:00 to 16:00 hrs) at office of Municipal Commissioner, Chapra Nagar Nigam.
4	Last Date and time for uploading of bid.	07/08/2026 till 15:00 hrs.
5	Time & Date of opening technical bids	08/08/2026 at 15:00 hrs.
6	Time & date of opening financial bids	After Technical evaluation
7	Place of opening of Bid	Through website: www.eproc2.bihar.gov.in .
8	Periods of bids validity	120 Days
9	Officer inviting bids	Municipal Commissioner, Chapra Nagar Nigam.
10	Estimated Cost	10,00,000/- Rs (This is indicative, Bidders can quote higher or lower amount)
11	EMD	Rs. 20000/- (Rupees Twenty thousand only) Internet Payment gateway (Credit/Debit Card), Net Banking.)
12	Bid Processing Fee	As per E-proc2.0

Table 1. – Schedule of Bid.

- ❖ Bidder may download NIT document from website :www.eproc2.bihar.gov.in.
- ❖ For any enquiry and information, please contact office of Chapra Nagar Nigam, Chapra on any working day from 10:00 am to 5:00 pm.


Municipal Commissioner
Chapra Nagar Nigam

1. Scope of Work

The scope of work includes (but is not limited to):

(a) Aerial Photography

Specification:

1. The drone must be equipped with RGB Camera and shall take continuous geotagged photographs at different angles.
2. The drone must be operational in Manual/Autonomous Mode. It shall be able to hover and tagged geotagged photos/videos at a specified point of interest.
3. The drone will have capability of flying along a predefined flight path using the geo coordinates of area fed in the system avoiding obstacles in the path.

Deliverable :

1. Geotagged Raw Images
2. 2D Ortho mosaic.
3. High Resolution Ortho Rectified Image in Tiff/ECW format.
4. High Resolution Ortho Mosaic Image in Tiff/ECW format (3 CM Spatial Resolution)

(b) LiDAR Survey and DEM model Specification:

1. The drone must be equipped with Lidar sensor and shall take continuous geotagged photographs at different angles.
2. It shall be able to hover and tagged geotagged photos at a specified point of interest. It will have feature of returning to a predefined location as and when the operator presses a button in event of loss of communication/low battery.
3. The drone must have capability of flying along a predefined flight path using the geo coordinates of area fed in the system avoiding obstacles in the path. The overlap used will be: 75% for Flight Planning.



Deliverable :

1. High Resolution Ortho Mosaic Image in Tiff/ECW format (3 CM Spatial Resolution)
2. Digital Surface/Terrain Model in Tiff/Geotagged format (Min. 10CM Spatial Resolution)
3. Digitised features in CAD or vector file format as Structures, Roads, Trees, and other visible features.
4. Contour Mapping with 15CM Interval
5. 3D Point cloud data in .LAS and .LAZ format.
6. Grid shall be provided at 10m *10m size or finer.

Dataset to be provided (in tiff, CAD, GIS/shape file and excel format) as: Raw Images, 2D Ortho mosaic, Digital Surface/Terrain Model.

2. Eligibility Criteria

1. The bidder must have at least 01 year of experience in aerial photography or related services.
2. The bidder should have successfully completed at least 01 similar projects (Topographical Survey using drone LiDAR technology in Urban/Municipal areas only) of comparable scope in the last 5 years.
3. The bidder must possess the necessary equipment, licenses, and permits for aerial photography they should have high resolution camera with 20MP or better.
4. Bidder must have DGCA certified pilot.

Supporting document of above-mentioned points must be included in techno commercial bid for it to be considered responsive.

3. Terms and Conditions

1. The contractor must adhere to all applicable aviation, environmental, and safety regulations.
2. The work must be completed within 2 months from the date of award of the contract.
3. Payment terms will be as per the mentioned payment schedule.

4. Payment Schedule :

Milestone	Payment Percentage	Deliverable
After Mobilisation	20%	1. Work plan & requisite permissions 2. Placing all relevant equipment's on site. 3. Setting up of ground control points.
After Processing and Deliverables	50%	1. High Resolution Ortho Mosaic Image in Tiff/ECW format (3-5 CM Spatial Resolution) 2. Digital Surface/Terrain Model in Tiff/Geotagged format (Approx. 10CM Spatial Resolution) 3. Digitised features in CAD or vector file format as Structures, Roads, Trees, and other visible features. 4. Contour Mapping with 15Cm Interval. 5. 3D Point cloud data in .LAS and .LAZ format. 6. Grid shall be provided at 10m * 10m size or finer
Final Payment	30%	

5. Instruction to the Bidder :-

1. The authority will provide the necessary permissions for drone operations to the bidder.
2. All data processing shall be carried out off-site; no processing will be done at the Nagar Parishad Office.
3. The bidder shall establish Ground Control Points (GCPs) within the project area to ensure accurate georeferencing of aerial imagery, LiDAR data, and derived products.
4. Only hard copies of the bid documents shall be submitted by the bidders.
5. Bidders shall be given exemptions and benefits as per Bihar Government Policy.

6. Contact Information

For further details, Please Contact :

- Name :- Anish Ray
- Designation :- Asst. Town Planner
- Contact :- ulbchapranagarnigam@gmail.com

The office Chapra Nagar Nigam, Chapra reserves the right to reject any or all bids without assigning any reason thereof :-


22/7/26
Municipal Commissioner
Chapra Nagar Nigam