



**GOVERNMENT OF ODISHA  
HOUSING & URBAN DEVELOPMENT DEPARTMENT**

**“EXPRESSION OF INTEREST CONDUCTING  
DRONE AIDED SURVEY AND PREPARATION OF  
ORTHOMOSAIC DRAWINGS FOR STORM WATER  
DRAINAGE MASTER PLAN OF  
BALANGIR MUNICIPALITY AREA”**

**TENDER DOCUMENT CONTAINS  
PART-I - TECHNICAL BID  
PART II - FINANCIAL BID**

**EXECUTIVE OFFICER  
BALANGIR MUNICIPALITY**



# OFFICE OF THE MUNICIPAL COUNCIL: BALANGIR

Address:-Office of the Municipal Council, Balangir, Opp of Rajendra Park, Balangir, Pin-767001,  
Ph. No.06652-232790 E- Mail id-bgrmc1972@gmail.com

Letter No. 1527 /BM/

Date. 7.3.26

The Executive Officer, BALANGIR MUNICIPALITY, BALANGIR, (Odisha) on behalf of Balangir Municipality invites Expression of Interest (EOI) for “**Conducting drone aided survey and preparation of orthomosaic drawings for storm water drainage master plan of BALANGIR MUNICIPALITY area**” from the engineering consultants/Consulting registered architectural firms that have requisite experience in drone aided Arial survey and preparation of orthomosaic drawing for preparation of drainage/Sewerage network plan.

1. Intending bidders have to download the documents from the District Web portal i.e. <https://balangir.odisha.gov.in> or municipality web portal i.e. <http://www.balangirmunicipality.in>. and submit their bids through regd. Post / speed post to the office of the undersigned.
2. The bid documents is to be submitted offline from **10.30 A.M of Dt. 07.03.2026 to 5.00 P.M of Dt. 17.03.2026** through Regd. Post / speed post to the office of the undersigned.
3. Bids received through offline mode will be opened at **11.00 A.M on Dt. 18.03.2026 in the office of the undersigned.**

Executive Officer  
Balangir Municipality

MemoNo. 1528 Date. 7.3.26

Copy forwarded to the Dy. Director (Advertisement)-cum-Secretary to Govt., I & PR Department, Odisha, Bhubaneswar with a request to get it published in two leading Odia Daily News Paper at an early date for wide circulation of the Tender call notice. Complimentary copy of the News Papers containing the EOI may be sent to this office for reference and record. The bill will be submitted to the Executive Officer, Balangir Municipality for payment.

Executive Officer  
Balangir Municipality

MemoNo. 1529 Date. 7.3.26

Copy submitted PA to Collector & District Magistrate, Balangir for favour of kind perusal of Collector, Balangir

Executive Officer  
Balangir Municipality

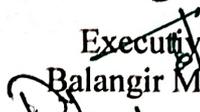
MemoNo. 1530 Date. 7.3.26

Copy submitted to the Project Director, DUDA, BALANGIR for favour of kind perusal.

Executive Officer  
Balangir Municipality

MemoNo. 1531 Date. 7.3.26

Copy submitted to the Executive Engineer, R&B / NH & PH, Division, BALANGIR with a request to publish the notice in their office notice board for wider publication.

  
Executive Officer  
Balangir Municipality

MemoNo. 1532 Date. 7.3.26

Copy submitted to the DIO, Balangir to upload the tender documents in the district web portal of Balangir for wider publication.

  
Executive Officer  
Balangir Municipality

MemoNo. 1533 Date. 7.3.26

Copy forwarded to the MIS Computer Programmer, BALANGIR MUNIGIPALITY to upload the tender documents in the web portal of Balangir Municipality.

  
Executive Officer  
Balangir Municipality



## OFFICE OF THE MUNICIPAL COUNCIL: BALANGIR

Address:-Office of the Municipal Council, Balangir, Opp of Rajendra Park, Balangir, Pin-767001,  
Ph. No.06652-232790 E- Mail id-bgrmc1972@gmail.com

### INVITATION FOR EXPRESSION OF INTEREST (EOI)

No. 1527

Date. 07.03.20

### EXPRESSION OF INTEREST

#### **PART-I** **Technical Bid.**

Expression of interest through online is invited from the National level Consultants for participation in.

#### **PROJECT**

“EXPRESSION OF INTEREST CONDUCTING DRONE AIDED SURVEY AND PREPARATION OF ORTHOMOSAIC DRAWINGS FOR STORM WATER DRAINAGE MASTER PLAN OF BALANGIR MUNICIPALITY AREA”

#### **PROPOSED**

Balangir also known as Bolangir, is a town and a municipality, the headquarters of Balangir district in the state of Odisha, India. Balangir is located at 20.70°N 83.48°E. It has an average elevation of 383 metres (800 feet) above sea level. Balangir is connected by road to the state capital Bhubaneswar which is 327 km to the east. Balangir Junction railway station on the Jharsuguda-Sambalpur-Titlagarh railway line of East Coast Railways is the city's railway link to the national railway network.

#### **BIDDER**

The Bidder may be a single entity or a multiple entity consortium coming together to prepare the detailed project report and master plan. Consortium as a whole must have technical and financial expertise to execute large project of this size. The requirements are as follows:

#### **BIDDER PROFILE REQUIREMENT**

##### **Eligibility: -**

The bidder / Agency / Firms / Consortium should have experience offering similar consultancy service in drone survey, mapping, design, drawing, in Urban Drainage/ water Sector of India for past 7 years.

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**SECTION – II**  
**INSTRUCTIONS TO CONSULTANTS**

**A. GENERAL**

**1. INTRODUCTION:**

Balangir is well connected to state capital Bhubaneswar by road to the state capital Bhubaneswar which is 327 km to the east.

- A. Many of the existing surface drains are inadequate in size thus require renovation.
- B. Many areas are not provided with drainage system.
- C. Absence of efficient solid waste management system is contributing to blockage of open surface drains leading to over flows during heavy showers. Stagnation of water as a result of siltation / blockage is creating health related problems due to mosquito breeding, fly nuisance etc.
- D. The BALANGIR MUNICIPALITY is facing a lot of hardship for periodic maintenance of the existing drains.
- E. Flow of sewage / septic tank effluent in some open drains also creates health risk to the citizen. Its effect has to be studied simultaneously.
- F. Due to rapid urbanization and unprecedented pace of growth in the last two decades, the physical status of most of the natural storm water channels are:
  - Encroachment by the public, thereby narrowing the original stream Section.
  - Slum dwellers / people of weaker sections occupy and reside on the bank of the drains causing obstruction to the free flow of streams & narrowing the flow path.
  - Due to lack of proper demarcation and fencing of storm water drains, debris & wastages are thrown into the channels causing obstruction to free flow of rain water finally leading to overflowing on the roads.
  - Area of ULB Approx 50Sq Km
- G. The low lands on all around the town which otherwise acted as storm water holding basins & provided natural pathway for discharge to the rivers are gradually converted into homestead lands thereby causing flooding in uplands during heavy shower. These low lands while acting as temporary storm water holding banks also help ground water recharge.
- H. Increase in-built up areas & absence of integrated urban water shed management have led to reduction in infiltration capacity & thereby ground recharging problems.

The above short comings are causing frequent flooding of the city thereby affecting the normal life especially during monsoon periods.

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## Goals and Service Outcomes

### OBJECTIVES/ SCOPE OF THE ASSIGNMENT: -

The objective of the programme is to promote planned integrated development of the town to help creating durable public access and to improve quality-oriented services in the town.

The major goals and outcome aimed at are as follows:

- **Drone aided Arial Survey**

- **Orthomosaic Drawing**, System generated RMSE upto 0.05 Mtr.
- DGPS Base Grid survey and GIS based mapping of entire project area with required contour interval making there in all important features through Drone.
- Prepared Land use map superimposed with aerial imagery.
- Prepared Digital Elevation Model as Per Aerial Imagery.
- Prepared Digital Terrain Model as Per Aerial Imagery.
- Prepared Slope Data as Per Aerial Imagery.
- Prepared Aspect Data as Per Aerial Imagery.
- Prepared Flow Direction as Per Aerial Imagery.
- Prepared Ground Control Point Data as Per Aerial Imagery.
- Prepared RMSE Report as Per Aerial Imagery.
- Prepared Drone Survey Log Sheet as Per Aerial Imagery.
- Preparation of Geo-referenced maps, KML file, super-imposed on Aerial imagery (done by drone).

- The survey should be prepared as per the guidelines & norms stipulated by H&UD Department, Govt. of Odisha and other Department.

As such it is decided to appoint a consultant who would prepare detailed project report for comprehensive storm water drainage system of BALANGIR City for approval of Housing & Urban Development/Urban Department, Govt. of Odisha.

In support of the Invitation for the online EOI (Offer), the Balangir Municipality issues this Bidding Document for the preparation of master plan along with the DPR with complete technical data, design, drawing, estimates with specifications etc. and Related Services incidental there to as specified in Terms of Reference (ToR).

## 2. SOURCE OF FUNDS:

The Govt. of Odisha in H&UD Department have provided the funds for preparation of the Master Plan.

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### 3. ELIGIBILITY:

- ❖ The bidder/ Consultant must be company registered under Indian Companies Act, 2013 or a partnership firm registered under the Indian Partnership Act, 1932 or a Limited Liability Partnership registered under the Limited Liability Partnership Act, 2008.
- ❖ JV/ consortium is not allowed
- ❖ Bidders shall provide such evidence of their continued eligibility satisfactory to the Borrower, as the Borrower shall reasonably request.
- ❖ Bidders shall provide experience of similar nature storm water drainage/ water supply project of work regarding Drone Survey, Remotely Piloted Aircraft System (RPAS) of project cost not less than 350.00 Crore in a single work contract.
- ❖ The annual turnover of the agency should have minimum Rs. 20.00 Crores in any one year in the last 03 years from consultancy service.
- ❖ The bidder should have owned of the following infrastructure to execute the work. Equipment: Drone purchase Invoice document.
- ❖ Bidder should have office in Odisha. (Submit P. tax/ rental deed/ electricity bill etc.)

### 4. Qualification: -

#### 4.1 Physical: -

The bidder should have sufficient experience in technical matters & offered similar consultancy services and **ILW approval of DPR of Storm Water Drainage Master Plan in accordance with the Manual on Storm Water Drainage System as published by MoHUA, GoI.** The bidder should have sufficient organizational capacity with well qualified personnel to monitor the field staffs in the matter relevant to the scope of services.

#### 4.4 Other requirements: -

Even if the Consultant meets all the eligibility and qualification criteria, his Tender shall be summarily rejected if he is found to have mislead or made false representation in the form of any of the statements submitted in proof of the eligibility and qualification requirements or if he has a record of performance such as absconding from work, works not properly completed as per contract, in-ordinate delays in completion, financial failure and / or has participated in previous Tendering for the works under Balangir Municipality and had quoted unreasonably high Tender price/premium. In addition to the above, even while executing the work, if it is found that he produced false / fake certificates in his tender, he will be blacklisted.

#### 4.5 Original Certificate: -

Originals of the certificates shall be produced as and when required to verify the copies of statements and other information furnished along with Tender. Failure to produce original documents in time will lead to disqualification.

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**5. Cost of Tendering: -**

The Consultant shall furnish Cost of Tender Paper **Rs.10,000/- (Rs. Ten Thousand Only)** in shape of DD pledged in favour of Executive Officer, Balangir Municipality.

**6. SITE VISIT:**

The Consultant is advised to visit and examine the Balangir Municipality area and its surroundings and obtain for himself on his own responsibility all information that may be necessary for preparing the tender and quoting rates. The costs of any such visit shall be entirely at the consultant's own expense.

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**7. PAID MONEY DEPOSIT**

The Consultant shall furnish Paid Money Deposit equivalent to 1% of the estimated cost of work with tender documents in shape of DD, P.O. No. 100, KY, the principal favour of Executive Officer, Balangir Municipality.

**8. EXPERIENCED AND EVALUATION**

**9. TENDER OPENING**

The Executive Officer, Balangir Municipality will open the tender which is submitted by the consultant at 11.00 hours on 30.11.2023.

**10. DETERMINATION OF RESPONSIBILITY**

Prior to the detailed evaluation of tenders, the Executive Officer, Balangir Municipality will determine whether the tender is a valid one in accordance with the terms and conditions of the tender and the requirements of the contract documents. The determination of responsibility is a preliminary and does not constitute a final decision on the award of the contract.

The determination of responsibility is not necessarily a prerequisite to the award of the contract and will be decided by the Executive Officer, Balangir Municipality. The determination of responsibility is a preliminary and does not constitute a final decision on the award of the contract.

**11. FORM OF OFFER**

The price Bid Form (B) in all respects shall be as per Form B attached herewith. The price Bid Form (B) shall be filled up by the consultant and submitted to the Executive Officer, Balangir Municipality.

**12. FORMAL STRUCTURES FOR OF TENDERS**

The consultant shall submit the tender in the form of a sealed envelope. The envelope shall be addressed to the Executive Officer, Balangir Municipality.

## **PART-II**

### **Price Bid (Financial Proposal).**

The Consultant is expected to examine carefully all instructions, terms of reference, Tender conditions, and forms appendix to tender, addenda in the Tender Documents. Failure to comply with the requirements of Tender submission will be at the Consultant's own risk.

#### **7. CLARIFICATION OF TENDER DOCUMENTS:**

Consultants shall carefully examine the Tender Documents and fully inform themselves as to all the conditions and matters, which may in any way affect the work or the cost thereof. Should a consultant find any discrepancy in or omission from the specification or any other of the Tender Documents or should he be in doubt as to their meaning, he should immediately address a query in writing or by e-mail to the authority given in Sub-Clause 18.5.

#### **8. EARNEST MONEY DEPOSIT**

The Consultant shall furnish **Earnest Money Deposit equivalent to 2% of the quoted price along with tender documents in shape of DD, POTD, NSC, KVP etc. pledged in favour of Executive Officer, Balangir Municipality.**

### **TENDER OPENING AND EVALUATION**

#### **TENDER OPENING**

- The Executive Officer, Balangir Municipality will open the tenders online (Technical Bids), in his office at 11.00 hours on 29.10.2025.

#### **DETERMINATION OF RESPONSIVENESS:**

- Prior to the detailed evaluation of tenders, the Executive Officer, Balangir Municipality will determine whether each tender has been submitted in the proper form and whether it is substantially responsive to the requirements of the tender documents. Tenders, which have not been submitted in the proper form, will be rejected.
- Any tender which is not substantially responsive to the requirements of the tender documents will be rejected by the Executive Officer, Balangir Municipality and may not subsequently be made responsive by the bidder correcting or withdrawing the non-conforming deviation(s) or reservation(s).

#### **PRICE BID OPENING:**

The Price Bids (cover B) of all responsive tenderers who are found to have satisfied eligibility & qualifications and conditions of the tender, will be opened duly intimating the time, date to the qualified tenderers.

#### **CHECKING FOR AND CORRECTION OF ERRORS**

After opening the Price Bids, it will be checked by the Executive Officer, Balangir Municipality.

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### AWARD CRITERIA:

The Executive Officer, Balangir Municipality/ Tender Committee as the case may be will award the contract to the Consultant whose tender shall be determined to be eligible, qualified and substantially responsive and who has submitted the best tender according to the comparison and evaluation process.

### DEPARTMENT'S RIGHT TO ACCEPT ANY TENDER AND TO REJECT ANY ORAL TENDERS

Not with standing Clause 28, the Executive Officer, Balangir Municipality reserves the right to accept or reject any tender, and to annul the tendering process and reject all the tenders at any time or at any stage prior to the award of contract without thereby incurring any liability to the affected Bidder or Bidders on the grounds of such action.

### NOTIFICATION OF AWARD:

- Prior to the expiration of the Tender validity period prescribed in Clause 13 the Executive Officer, Balangir Municipality will notify the successful Consultant by e- mail, letter or in some other written form, that his tender has been accepted. This letter hereinafter called "Letter of Acceptance (LoA)" will confirm the tender rate which will apply to the services to be rendered by the Consultant during the contract period.
- The LoA will constitute notification of the intention of the employer to enter into a contract with the Consultant for the consultancy services under this contract.

### SIGNING OF AGREEMENT:

- The successful Consultant, whose tender has been accepted, shall execute an agreement with the Balangir Municipality within 7 days of receipt of the LoA in the prescribed format incorporating all the agreement conditions provided in the Tendering Document, viz., the Terms of Reference, Conditions of Contract etc.

### Duration and Execution Schedule

The DPRs shall be prepared in all respects within a period of 30 (Thirty) days and during this period the consultants shall submit a number of progress reports, working papers & draft and final reports for the consideration of the employer.

Sl. No.	Activity/Report	Timeline starting from the effective date of work (to be declared after signing of contract) (Drainage System)
1	Submission of final drone survey report and Presentation, modification as required with after approval of the DPR of by GOO/competent authority (5HC+Pen Drive).	30days

### Payment Break-up based on Deliverables:

Sl.No	Activity/Deliverable	Payment Break-up in %
1.	Submission of final drone survey report and modification as required with after approval of the DPR of by GOO/competent authority (5HC+Pen Drive).	50%
2.	After approval of Comprehensive Drainage Master Plan and Detail Project Report for Drainage System of BALANGIR Municipality Area of by GOO/competent authority	50%
<b>Total:</b>		<b>100%</b>

# TENDER DOCUMENT-

## Part II

### (Price Bid)

PAGE OF THE TENDER DOCUMENT -PART II (PRICE BID) IS TO BE SUBMITTED AS FOLLOWS.

From,

(Name of Consultant  
With full address)

To,

The Executive Officer  
Balangir Municipality  
Balangir-767001,  
Orissa

**Sub: Consultancy Services for "Conducting drone aided survey and preparation of orthomosaic drawings for storm water drainage master plan of Balangir Municipality area.**

**Ref: EOI Identification No.**

Sir

I / We.....

Consultant/Consortium Firms are willing to offer our Consultancy Services for the above-mentioned work at the following rates.

Sl. No	Description	Unit	Rate (Exclusive GST and inclusive of all charges)	Quantity	Amount (Exclusive GST)
1	Conducting drone aided survey and preparation of orthomosaic drawings for storm water drainage master plan of Balangir Municipality area and superimpose or integrated the same with previously done DGPS survey.	Square KM	In INR	50.00 SqKm	In INR

NB. GST to be added as applicable by the Government.

Signature of the Applicant  
Name & Designation of Signatory

Date: