

**OFFICE OF NOTIFIED AREA COUNCIL,
BALIMELA
Dist: Malkangiri**

**EXPRESSION OF INTEREST FOR
PREPARATION OF COMPREHENSIVE
STROM WATER DRAINAGE GIS
BASED MASTER PLAN AND DPR FOR
BALIMELA NAC AREA.**

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



OFFICE OF THE NOTIFIED AREA COUNCIL, BALIMELA

No: 2003

Date: 04.11.24

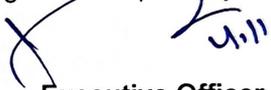
EXPRESSION OF INTEREST FOR PREPARATION OF STORM WATER DRAINAGE GIS BASED MASTER PLAN AND DPR FOR BALIMELA NAC AREA

Balimela NAC proposes to undertake for Preparation of Storm Water Drainage Master Plan & DPR for Balimela NAC area.

Proposals are invited to conduct the assignment and submit the deliverables from engineering consultants/Consulting registered architectural firms that have requisite experience in preparation of drainage/waste water pipeline/sewerage network plan.

Details of the bid document can be obtained from the office of Balimela NAC by paying the Tender Paper Cost Rs.10,000 (Rupees Ten Thousand) only Non-Refundable by paying through DD in the name of Executive Officer, Balimela NAC during office hour on or before Dt: 12.11.2024.

The completed applications, as per instructions in the EOI document should be submitted latest by 5.00PM on Dt: 16.11.2024 through Regt. Post/ Speed Post only is accepted otherwise rejected. Balimela NAC reserves the sole right to accept or reject any or all proposals without assigning any reason whatsoever.


Executive Officer
Balimela NAC

Date: 04.11.24

Memo No: : 2004

Copy submitted to the Collector, Malkangiri / The Project Director, DRDA-cum-P.D., DUDA, Malkangiri, /Chairperson, NAC Balimela / The Sub-Collector, Malkangiri / Tahasildar, Malkangiri / Block Development Officer, Korukonda/ Superintending Engineer (Roads and Building) Division, Malkangiri / Superintending Engineer (Rural Works) Division-I, Malkangiri for information with a request to display the tender notice in their respective Notice Boards for wide publication /One copy displayed in this office Notice Board for wide publication./DeGM, Collectorate, Malkangiri for display in District Portal website for wide publication.


Executive Officer
Balimela NAC

Date: 04.11.24

Memo No: : 2005

Copy submitted to the Deputy Director (Advertisement) & Deputy Secretary to Govt., I & P.R. Department, Odisha, Bhubaneswar with a request to get this EOI Notice published in one no. of leading Oriya Dailies and one no. of English Daily News Paper within a minimum space for wide circulation of the EOI. The complimentary copy of the newspaper publishing the EOI notice may be sent to this office for reference and record & the bill may be sent for necessary payment as per the rate approved by I & P.R. Department, Odisha.


Executive Officer
Balimela NAC

Schedule of EOI& Other important Information

Sl. No.	Particular	Details
1	2	3
01	Available the EOI/DTCN	www.malkangiri.odisha.gov.in
01	Last Date of issue of tender paper after depositing DD	12.11.2024
02	Last Date and Time of Submission of bid by (Bid due Date & Time)	16.11.2024 at 5.00 P.M
03	Date & Time of opening of the Technical Bid	18.11.2024 at 11 A.M
04	Date & Time of opening of the Financial Bid	To be Intimate Later to technically qualified bidder only
05	Cost of EOI Document	Rs.10,000/-By paying through DD deposit in the name of Executive Officer, Balimela NAC
06	Earnest Money Deposit	1% of quoted amount in form of DD/ BG duly pledged in the name of Executive Officer, Balimela NAC. [MSME Registered Firm May Be Exempted from Depositing the Initial EMD at the time of bidding. But This Amount Must Be Submitted by the Successful Bidder Before the Agreement.]
07	Address where bidder must send proposal	Executive Officer, Balimela NAC, Odisha


4.11.24
**Executive Officer,
Balimela NAC**

EXPRESSION OF INTEREST FOR PREPARATION OF STORM WATER DRAINAGE MASTER PLAN & DPR OF BALIMELA NAC

Balimela is a town and a Notified Area Council in Malkangiri district in the state of Odisha, India having an appx.6.85 SqKM area , consisting with 12 nos Wards. Balimela is a major commercial and transportation hub of Malkangiri district. Balimela is located at 18.15°N 82.07°E.It has an average elevation of 40 metres It is situated at a distance of 30 km from Malkangiri district, at the confluence of Rivers Rushikulya and Badanadi (Bara River). It is located on the Sileru River in the Malkangiri district of Odisha state, India. The Sileru River is a tributary of the Godavari River. As of the 2011 Census of India, Balimela NAC has a population of more than 11,796 of which 6,023 are males and 5,773 are females.hence make it the second largest city in terms of population Malkangiri district. Balimela has an average literacy rate of 85.76%, higher than the national average of 72.87%; with 56% of the males and 44% of females literate. 12% of the population is under 6 years of age in 2024.Looking into the sufferings of the people of the NAC area , the Housing &Urban Development Department , Govt of Odisha has directed the Balimela NAC to go for a Comprehensive Drainage Master Plan for Balimela NAC Area as mandated by the 5th State Finance Commission to solve the above issue. Balimela NAC is an urban local body with the responsibility of providing basic civic services like roads, water supply, sewerage, health, sanitation and storm water disposal etc. within its 12wards.In support of the Invitation for the EOI, the Balimela NAC issues this Bidding Document for the preparation of Comprehensive Drainage Master Plan along with DPR with complete technical data, design, drawing, estimates with specification etc. and Related Services incidental thereto as specified in Schedule of Services (SS).

OBJECTIVES/ SCOPE OF THE ASSIGNMENT

The scope of services to be rendered is as follows:

- ❖ **Drone aided DGPS/Total Station with DGPS** survey, for collection of baseline data of existing Drain, Road, along with its R.L. for an outcome to investigate water logging situation at different pockets under Balimela NAC jurisdiction, So as to enable for preparation of Master DPR on drainage system.
- ❖ Bathymetric Survey (Outfall under water topography , where needed
- ❖ Orthomosaic Drawing, System generated RMSE upto 0.05 Mtr
- ❖ Checking adequacy for natural drains as well as existing road side drains
- ❖ Hi- tech Topographical survey of the identified water-logged areas, road side drains and nallas (L-Section and Cross-Section) by DGPS/ TS with DGPS. (Outfall under water topography, whenever needed.)
- ❖ Calculation of flood discharge and designing of storm water drains for water logged areas including storm water drain of appropriate size along roads suggestions for improvement of Nallas and Cross-drain works, planning and designing of network of storm water drains for rain fall intensity.
- ❖ Study of Rainfall data for 30 years and Hydrology for Balimela region including analysis of historical data & future projected data. Proven computer model shall be used for studying the urban hydrology of the city based IMD data
- ❖ Grey Water Integration ,design population for 30 Years ,lane level House –hold survey (Preferable).
- ❖ Determination of water sheds and drainage patterns of the study area & its surrounding with the aid of existing maps with contour lines with topo sheets and aerial photographs of town & the drainage basin (catchment area) and by carrying out additional survey.

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- ❖ Topographical survey & G.I.S based mapping of entire project area with 0.20 metre contour interval marking therein all-Important features. Identification of flood prone areas, reasons for flooding and mitigation Measures required
- ❖ Conducting field survey of existing drainage network, hydraulic testing of the of size, identification classification of major & primary storm water drains existing & required & their present condition.
- ❖ Preparation of Cost of project & preparation and finalization of D.P.R.
- ❖ After completion of DPR submit both hard & soft copies (3nos) to this Office.
- ❖ The survey work should be completed within 1 Monthdays from the date of receiving the Work Order.

The DPR shall include the following:

- ❖ Survey & DPR should be prepared as per the Manual on Storm Water Drainage System Published by MoHUA, Gol and instructions of vide letter no.850 dtd. 09.01.2024. of H&UD Deptt., Govt. of Odisha and also latest guide line or notification given by H&UD Deptt., Govt. of Odisha before approval of final DPR.
- ❖ Review of existing conditions including incorporation of present Drainage works in progress by other agencies like Drainage Division, Balimela of Department of Water Resources PWD etc.
- ❖ Deficiency analysis from hydraulic and structural point of view
- ❖ Enlisting of obstructions, bottlenecks and encroachments, surface drain command area with sustainable outfall/ complete watershed boundary
- ❖ Design population for 30 years
- ❖ Estimation of flood discharge and Hydraulic design. Estimation and finalizing the Design Discharge of the individualizations.
- ❖ Preparation of Longitudinal Sections (LS) and Cross Sections(CS), Soil Investigation
- ❖ Structural design of drain cross-section depending on the availability of land.
- ❖ Detailed estimates with rate analysis based on current SR.
- ❖ Preparation of detailed Drawings
- ❖ Ground water recharging study & its effect.
- ❖ Preparation of land schedule and land plan for acquisition of private, Govt. and forest lands to develop the network.
- ❖ The DPR should be prepared as per standard guidelines & norms stipulated by Housing and Urban Development Department, Government of Odisha.
- ❖ The DPR should be prepared and submitted system wise, i.e. One DPR should be prepared for one Main Drain including all its Secondary and Tertiary Drains in a holistic manner.
- ❖ The authority reserves the right to reject any or all bids without assigning any reason thereof

Out comes all deliverables

- By the completion of this ask the Balimela NAC shall have.
- ❖ An accurate assessment and understanding of the Municipal Storm water drainage system as well as water bodies like ponds and lakes etc.
 - ❖ A complete and comprehensive storm water drainage master plan with DPR with the study report for the entire Balimela NAC area upto design period showing complete details like drain size, material, slope, depth, invert levels, and all hydraulic details.
 - ❖ Map indicating levels at 20 meter interval with junction levels, Bench marks covering the entire NAC area @ one per sq.km at suitable locations.
 - ❖ Intensity duration curves and runoff coefficients.
 - ❖ Flow charts: preliminary designs, drawings, and detailed cost estimates for drainage works until final disposal for the entire drainage.
 - ❖ The detail land plan and land schedule required for the project Private, Government and Forest Land.
 - ❖ Implementation plan with phasing of works and standard type designs and plans.
 - ❖ Short- and long-term drainage strategy.
 - ❖ Increased awareness of staffs towards drainage issues
 - ❖ Institutional, financial, IRR, EIA etc. as per standard guidelines.

- ❖ The DPR for the work should be prepared and submitted separately for each Primary Drain with its Secondary and Tertiary Drains in a holistic manner with detail Planning Design Drawing and Cost Estimate at the prevailing Schedule of Rates of Government of Odisha.

Eligibility conditions for consultant:

- ❖ The agency should have offered similar consultancy services on preparation of at least one comprehensive Drain Water Master Plan design for any Government bodies in INDIA in the **last 8 years**.
- ❖ The bidder must have registration as engineering consultancy/ registered as Architectural consultancy firm/ partnership firm/ LLP in INDIA having minimum turnover not less than **10.00crore in last 3 financial years**.
- ❖ 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.
- ❖ The attested copies of PAN Card/ GSTN Registration Number.
- ❖ Last 3 financial year balance sheet supported by UDIN & certificated by chartered accountant.

Marking and Returning Proposals

- Sealed proposals must be received at the specified address no later than the closing date and time, i.e. by **5.00 PM of date 16.11.2024 by Registered Post/Speed Post only**.
- Proposals shall be submitted in English, and shall be sealed in outer and inner envelopes (Outer envelopes containing two envelopes- 1. Technical Bid, DD for EMD & Document Charges and Financial Bid and all envelopes shall indicate the bidder's name and address. The outer envelope shall be addressed to The Executive Officer, Balimela NAC OFFICE, At/Po : Balimela , Dist: Malkangiri, Pin: 764051, (Odisha) with full address of applicant and super scribed as **"PREPARATION OF COMPREHENSIVE STROM WATER DRAINAGE GIS BASED MASTER PLAN AND DPR FOR BALIMELA NAC AREA."**

Criteria, for selection process: Quality cum Cost Based Selection

Marking Process of RFP

TECHNICAL EVALUATION: Detailed evaluation process as per the following parameters will be adopted for evaluation of the proposals.

Sl. No.	Bid Evaluation Parameters	Allocation of Marks
1	The Bidder having experience of completing similar consultancy work performed in India, like DPR for drainage/ sewerage under SBM/ rejuvenation/ water supply projects DPRs etc... under any Govt. body in INDIA during last 5 years- 10 nos * 1.5 marks each (completion/ experience certificate)	15
2	Bidder should have minimum turnover in last 3 years as mentioned below: More than 10 Cr. to 11 Cr. = 2 Marks More than 11 Cr. to 12 Cr. = 3 Marks More than 12 Cr. to 15 Cr. = 4 Marks More than 15 Cr.= 5 marks (Audited balance sheet of last 3 years supported by UDIN).	05
3	Experience in storm water drainage related DPR projects during last 5 years anywhere in India having population more than 1,00,000 & having project cost >= 100 Crore(completed project in urban area) in India shall be consider= 2.50 marks for each projects.	05
4	Specific Experience in preparation of Storm Water drainage DPRs especially in different urban sectors at Govt. of Odisha only during last 3 years (ongoing also considerable under below mentioned circumstances)- If Completed Storm Water Drainage DPR of any urban area in Odisha shall be consider 2.00marks for each/ project(completion/ experience certificate) OR	15

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	If Ongoing Storm water drainage DPR experience of any urban area in Odisha shall be consider 1.0 marks for each project- i.e. with consider to submitted documents by bidder (WO/ Agreement copy)	
5	Work Plan & Approach and Methodology, case study, understating of the project with available support technology system - submitted along with Proposal. (Presentation will be conducted among technically qualified bidders)	40
6	Qualifications and competence of the Key Professional staff for the assignment 1- Team Leader-01-ME/ M. Tech with 20 years' experience & Specialization in Master Plan / sewerage/ PHE or storm water management-10 marks 2- Project Engineer-02-BE/ B. Tech with 10 years' experience & Specialization in sewerage or storm watermanagement-@2.5* 2 = 5 marks 3- GIS Expert-01- BE/ Graduate with 05 years' experience with Specialization in GIS -Master Plan/ Sewerage or Storm Water Management -GIS work Minimum 3 project experience in any urban towns of India -5 Marks	20
TOTAL=		100

QCBS approach for storm water drainage DPR. Bidders who secure above 70% marks from the total (100 marks) in the technical proposal will be called for financial evaluation. **JV/ consortium/ association is not allowed in this project.** The minimum technical score (ST) required to pass 70 points. The formula for determining the financial score is the following: The financial proposal (F) shall be arithmetic sum of Total cost, as indicated in price bid. (P). $SF = 100 * FM / F$, In which in SF is the financial score, FM is the lowest price and F price of the proposal under consideration. The weights to be given to the technical and financial proposals are T = 0.80, P = 0.20 and the highest score is consider as lowest bidder and consider accordingly.

The DPRs should be prepared separately for each Main / Primary Drain with its Secondary and Tertiary Drains as a complete system having all details and cost estimate at the prevailing scheduled of rates of Government.

Duration and Execution Schedule

The DPRs shall be prepared in all respects within a period of 5 (Five) months and during this period the consultant shall submit a number of progress reports, working papers and draft and final reports for the consideration of the employer.

Sl. No.	Activity / Report	Time from the Previous Activity
1	Submission of survey & inception report (5 copies)	1 Month
2	Submission of Preliminary report (5 Copies)	1 Month
3	Submission of Draft DPR Report (Hard Copies)	1 Month
4	Submission of Detailed Project Report for all major /prioritized Drains (5 hard copies + 1 CD Media/Pen drive)	1 Month
5	Submission of Final DPR Report (5 hard copies + 1 CD Media/Pen drive)	1 Month

The project being quite intensive in terms of the number of activities vis-a-vis the time schedule, it is expected that timely reviews and comments be forwarded to the Consultant for preventing delays and to ensure smooth work progress.

Schedule of Payment

Preparation of Master Plan for Storm Water Drainage for the entire city. The professional charges payable to the consultants will be the quoted rate In Indian Rupees in L/S for total NAC area. The approximate area of **Balimela NAC** is 6.85 sq. km. The Professional charges so calculated will be released in the stages mentioned below:

Sl. No	Activity / Report	Payment Schedule
1	Submission of inception Report	25%
2	Submission of Draft Master plan Report	30%
3	Submission of Final Master plan report	30%

4	Approval of Detailed project report by the competent authority	10%
5	Submission of tender documents	5%
	TOTAL=	100%

The payment will be made upon submission of an invoice backed by consultant. Invoice backed by consultant. Payment of Professional fees would be made within two weeks of submission of invoice.

4.11.24
**Executive Officer
Balimela NAC**

**Format of Covering letter
(On the Applicant Letter Head)**

To,

The Executive Officer,
Balimela NAC, Malkangiri, Pin: 764051,

Sub: *EOI FOR PREPARATION OE STORM WATER DRAINAGE MASTER
PLAN & DPR OF BALIMELA NAC*

Dear Sir,

*We the undersigned, offer to provide service as per the EOI floated by your good office
i.e."EOI FOR PREPARATION OF STORM WATER DRAINAGE MASTER PLAN & DPR OF
BALIMELA NAC"*

In accordance with your EOI document No: _____, Dt. _____.

We have examined the details given in this EOI notice, Performa etc.

I/We hereby certified that all the statements made, and information furnished in the enclosures is true and correct.

I/We have furnished all information and details necessary for EOI and have no further pertinent information to supply.

I/We also agree that the authorized representatives can approach individuals, employers firms to verify our competence and general reputation.

I/We submit certificates in support of our suitability, technical knowhow and capability for having successfully completed the projects, in prescribed format.

I/We agreed that the discretion and decision of the Balimela NAC in respect of selection of the agencies with accomplished expertise in final and binding.

We understand that you are not bound to accept any proposal you receive.

Signature of the Applicant

Name & Designation of Signatory

Date :

Organizational Details

Sl. No.	Parameter	Details
1	Full Name of the Firm/ Agency Organization	
2	Year of Establishment	
3	Status of Firm (Proprietorship/Partnership/ Any other)	
4	Name of the Director / Partners/Proprietors with Designation	
5	Registered Full Address of the Firm	
6	Phone/Mobile No. of Authorized Person of the Firm	
7	Email ID	
8	PAN Number	
9	GST Regd. Number	

Place

Signature of the Applicant

Date

Name & Designation

TENDER DOCUMENT-Part II

(Price Bid)

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

From,

(Name of Consultant
With full address)

To,

The Executive Officer
Balimela NAC
Malkangiri, Pin: 764051.

Sub: **Consultancy Services for "Preparation of Storm Water Drainage GIS Based Master Plan and DPR for Balimela NAC area-**

Financial Proposal Regarding.

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	Item	Unit	Rates(Rs.) for whole assignment including all tax, GST	
			In Figure	In Words
1	Preparation of Comprehensive Drainage Master Plan along with DPR for Storm Water Drainage System of Balimela NAC Area in conformity with the provisions of detailed scope of work of the tender documents. (Covering total projected NAC area)	Lump Sum for total NAC Area		
	TOTAL			

Signature of the Applicant

Name & Designation of Signatory

Date



**Executive Officer
NAC, Balimela**