

**OFFICE OF THE NOTIFIED AREA COUNCIL,
UDALA**

Dist.:MAYURBHANJ

**EXPRESSION OF INTEREST FOR
PREPARATION OF STROM
WATER DRAINAGE MASTER
PLAN & DPR OF
UDALA NAC**

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

OFFICE OF THE NOTIFIED AREA COUNCIL ; UDALA.

UDALA, MAYURBHANJ
ODISHA, PIN- 757041

TEL. No / FAX – 06795-232268
E-Mail: udalanac@gmail.com

No: 223 /NAC

Date: 16.02.2024

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

Udala NAC proposes to undertake Preparation of storm water drainage master plan & DPR for Udala 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/Pipeline/Sewerage network plan.

Details of the bid document can be accessed and the EOI/application forms can be downloaded from the website www.udalanac.in and obtained from the office of Udala NAC by paying the Tender Paper Cost Rs.5,000 (Rupees Five Thousand) only Non Refundable by paying cash / though D.D in the name of Executive Officer, Udala NAC during office hour on or before Dt: 26.02.2024

The completed applications, as per instructions in the EOI document should reach the following address by hand/registered post /speed post/ Courier latest by **5 PM** on Dt:26.02.2024

Udala NAC reserves the sole right to accept or reject any or all proposals without assigning any reason whatsoever.


Executive Officer
Udala NAC

Memo No: 224 / Dated: 16.02.2024

Copy submitted to the Collector, Mayurbhanj / The Project Director, DRDA-cum-P.D., DUDA, Mayurbhanj, /Chairperson, Udala NAC / The Sub-Collector, Udala / Tahasildar, Udala / Block Development Officer, Udala/ Executive Engineer (Roads and Building) Division, Udala / Assistant Executive Engineer, P.H.D, Udala 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.


Executive Officer
Udala NAC

Memo No: 225 /Date: 16.02.2024

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 and cost within Rs.2000/- 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,
Udala NAC

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UDALA, MAYURBHANJ
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Schedule of EOI & Other important Information

Sl. No.	Particular	Details
1	2	3
	Office address to available the EOI	www.udalanac.in & Udala NAC, Dist- Mayurbhanj
01	Last Date of Receipt Pre-bid Query through E-mail ID only E-mail ID:- udalanac@gmail.com	22.02.2024
02	Last Date and Time of Submission of bid by Speed Post/Registered Post/Courier by Hand (Bid due Date & Time)	26.02.2024 at 5. 00P.M
03	Date & Time of opening of the Technical & Financial Bid	27.02.2024 at 11 A.M
05	Cost of EOI Document	Rs.5,000/-By paying in the name of Executive Officer, Udala NAC on before Dt.26.02.2024
06	Earnest Money Deposit	Rs. 1,00,000/- (One Lac) only in form of bank guaranty/ DD/ Fixed deposit duly pledged in the name of Executive Officer, Udala NAC And if MSME having then EMD amount exempted for bidders.
07	Address where bidder must sent proposal	Executive Officer Udala NAC


Executive Officer,
Udala NAC

OFFICE OF THE NOTIFIED AREA COUNCIL ; UDALA.

UDALA, MAYURBHANJ
ODISHA, PIN- 757041

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

The Udala Urban Local Body (ULB) was constituted in the year, 1973. The Government in Housing and Urban Development Department have been pleased to declare this ULB to that of the Statue of Municipal Council vide their Notification No. 6884/H&UD, dated 07.03.1973. Udala N.A.C town spread over an area of 7.89 Sq. kms comprising 9 revenue villages and divided into 12 wards for administrative convenience having an approximate population of 13152 as per 2011 Census.

As of 2011 Census of India, Udala Notified Area Council (NAC) is the smallest town in terms of population and area within the Mayurbhanj district, with a total population of 13,152 and an area of 7.89 square kilometers. The population density is 1667 people per square kilometer, and the gender ratio is 963 females for every 1,000 males. The population comprises 7.49% Scheduled Castes and 25.11% Scheduled Tribes, while the remaining 67.4%, belongs to other communities. The literacy rate is 87.79%, with a modest gender gap in literacy of 8.8%. The workforce participation rate stands at 37.86%, with 77.81% as main workers and 22.19% as marginal workers.

In support of the Invitation for the EOI (Offer), the Udala 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).

The main objectives of the present work are:

To prepare a Detailed Project Report for implementation of comprehensive storm water urban drainage system at Udala Town consisting of the NAC area & fringed areas. The entire study will have an integrated approach to Urban Watershed Management.

The DPR shall be prepared as per the norms & guidelines of Housing and Urban Development Department, Govt. of Odisha.

OBJECTIVES/ SCOPE OF THE ASSIGNMENT

The scope of services to be rendered is as follows:

- ❖ **DGPS & Drone** 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 Udala NAC jurisdiction, so as to enable for preparation of Master DPR on drainage system.
- ❖ Checking adequacy for natural drains as well as existing road side drains
- ❖ Topographical survey of the identified water-logged areas, road side drains and nallas (L-Section and Cross-Section)
- ❖ 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 and Hydrology for Udala region including analysis of historical data & future projected data. Proven computer model shall be used for studying the urban hydrology of the city.

- ❖ Determination of water sheds and drainage patterns of the study area & its surrounding with the aid of existing maps with contour lines / NRSA topo sheets and aerial photographs of town & the drainage basin (catchment area) and by carrying out additional survey.
- ❖ Topographical survey & G.I.S based mapping of entire project area with 0.20 met recon tour 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 to this Office.
- ❖ The survey work should be completed within **One Month** days from the date of receiving the Work Order.

The DPR shall include the following:

- ❖ Detailed survey of the drains and their flood plain areas
- ❖ Review of existing conditions including incorporation of present Drainage works in progress by other agencies like Drainage Division, Udala of Department of Water Resources, PWD etc.
- ❖ Deficiency analysis from hydraulic and structural point of view
- ❖ Enlisting of obstructions, bottlenecks and encroachments
- ❖ Socio-Environmental impact analysis
- ❖ 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 task the UDALA 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 UDALA 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 Govt.of India or Govt.of Odisha in the last 5years.
- ❖ The bidder must have registration as an engineering consultancy/ registered as Architectural consultancy firm in INDIA having minimum turnover not less than 3.5 crore in last 3 financial years. (Statement showing annual turnover certified by a Chartered Accountant have to be furnished with bid documents)
- ❖ 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.

Tender Paper Cost Rs. 5,000.00 (Five Thousand) only Non Refundable and EMD Rs.1,00,000/- (One Lac) only in form of bank guaranty/ DD/ Fixed deposit duly pledged in the name of Executive Officer UDALA NAC And if MSME certificate having with the bidders then EMD amount exempted for bidders.

SPECIAL CONDITIONS FOR CONSULTANT:

As per Letter No. 850 Dated: 09.01.2024 of Director Municipal Administration, H&UD Department, Govt. of Odisha. The agency should have prepared Strom Water Drainage Master Plan as per the Manual on Strom Water Drainage System published by MoHUA without any deviation.

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: 26.02.2024**
- 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, Udala NAC, Udala-757041, Dist.-Mayurbhanj (Odisha) with full address of applicant and super scribed as **"EXPRESSION OF INTEREST FOR PREPARATION OF STORM WATER DRAINAGE MASTER PLAN & PREPARATION OF DPR OF UDALA NAC"**

- The 1st inner envelope shall be marked Technical Bid and EMD addressed in the same manner as the outer envelope and shall be in the prescribed format.
- The 2nd inner envelope shall be marked as Financial Bid and addressed in the same manner as the outer envelope, and shall be in the prescribed format.

Criteria, for selection process

SI.NO	Bid Evaluation Parameters	Allocation of Marks
01	The Bidder/Consultant should have been in the Consulting business for more than fifteen years from the date of submission of the proposal.	05
02	Bidder Should have average annual turnover for the last three financial years should be equal to or greater than Rs.3.0 crores from consultancy work only. Balance sheet and CA certificate is to be attached.	05
03	The Bidder having experience of similar/urban consultancy work performed in India, like DPR for restoration/rejuvenation of water body or lake/sewerage projects, DPRs etc. for urban area for any Govt-05 no's*1 mark	05
04	The firm/agency should have completed at least 1 number of similar nature consultancy services related to preparation of DPR/master plan of comprehensive urban Strom water drainage scheme with population more than 1, 00,000 & having minimum command area of 50 Sq.km etc. for Government/ semi government.	05
05	Experience in Preparation of GIS/RS Based Comprehensive Development Plan/Master Plan for Township in Govt. of Odisha numbers into 5no's*5 marks (Ongoing project also considerable)	25
06	Experience in preparation of Master Plan or Development Plan urban Sectors at least 2 no's*2.5marks for Govt. in India or Odisha Government.	05
07	Work Plan & Approach and Methodology, understanding of the Project with available support technology system-submitted along with proposal.	40
08	Qualification and competence of the Key Professional Staff for the assignment 1- Team Leader-01M.E./M. Plan with 25 years' experience & Specialization in Master Plan/sewerage or storm water management-05 Marks 2- Project Engineer-02 ME/BE with 10 years' experience & specialization in sewerage or storm water management - @3*1=03 Marks 3- GIS Expert-01-BE with 05 Years experience with specialization in GIS-Master Plan/Sewerage or Strom water Management -GIS work Minimum 5 Projects experience in any urban towns of India-02Marks	10
	Total=	100

Minimum 75 marks to be obtained for qualification.

Duration of Service: Four Months

- IV. 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.**

7. Duration and Execution Schedule

The DPRs shall be prepared in all respects within a period of 4 (Four) months 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	Time from the Previous Activity
1	Submission of inception Report (5 copies)	15 th Days
2	Submission of Preliminary Report (5 copies)	15 th Days
3	Submission of Draft DPR Report (Hard copies)	One months
4	Submission of Detailed Project Report for all major /prioritized Drains (5 Hard copies + 1CD Media/Pen drive)	One month
5	Submission of Final DPR Report (5 Hard copies + 1CD Media / Pen drive)	One 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 .

8. Schedule of Payment

I. 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 per Square Kilometer area. The approximate area of Udala NAC is 7.89 square kilometer. The Professional charges so calculated will be released in the stages mentioned below:

Sl. No.	Activity / Report	Payment Schedule
1	Submission of Inception Report	20%
2	Submission of Draft Master Plan Report	25%
3	Submission of Final Master Plan Report	25%
4	Submission of Detailed Project Reports by the competent authority for all major Drains with its secondary and tertiary drains as a system in a holistic manner and water bodies lakes	20%
5	Submission of Tender Documents	10%

The payments will be made upon submission of an invoice backed by consultant. Payment of professional fees would be made within one week of submission of Invoices.

[Signature]
 Executive Officer,
 Udala NAC

Format of Covering letter

(On the Applicant Letter Head)

To,

The Executive

Officer,

Udala NAC

Sub:

**EOI FOR PREPARATION OF STORM WATER DRAINAGE MASTER PLAN & DPR OF
Udala 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 UDALA 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 Udala 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

(To be submitted in separate cover)

**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
Udala NAC
Udala-757041, Orissa.**

**Sub:
Plan**

**Consultancy Services for "Preparation of Comprehensive Drainage Master
& Detailed Project Report for Storm Water Drainage System of Udala 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 Taxes)	
			In Figure	In Words
1	Preparation of Comprehensive Drainage Master Plan along with DPR for Storm Water Drainage System of Udala NAC Area in conformity with the provisions of detailed scope of work of the tender documents. (Covering total projected NAC area of approximately 7.89 sqkm)	Lump Sum for NAC Area		
	TOTAL			

Signature of the Applicant

Name & Designation of Signatory

Date: