

Schedule of EOI & Other important Information

SL No	Particular	Details
1	Last Date of Receipt Pre-bid Query through E-mails ID only	22/12/20223 jsgmunicipality@yahoo.com
2	Date and Time of Pre-bid meeting at JHARSUGUDA MUNICIPALITY	22/12/2023 at 3.00pm
3	Last Date and Time of Submission of bid by Speed Post	Dt. 30/12/2023 upto 3.00pm
4	Date & Time of opening of the Technical Bid	30/12/2023 at 3.30pm
5	Date & Time of opening of the Financial Bid	To be intimated later to the technically qualified bidders.
6	Cost of EOI Document	Rs. 10,000/- along with bid
7	Earnest Money Deposit	DD of 1% of the BID value from any Nationalized/ Scheduled bank in favor of Executive Officer, JHARSUGUDA MUNICIPALITY payable at JHARSUGUDA should accompany with bid.
8	Address where bidder must sent proposal	Executive Officer, JHARSUGUDA MUNICIPALITY

EXPRESSION OF INTEREST

FOR PREPARATION OF STORM WATER DRAINAGE MASTER PLAN & DPR OF JHARSUGUDA MUNICIPALITY

JHARSUGUDA MUNICIPALITY is in the District of Jharsuguda having an area of 74.87Sq. Kms and Population of 97,730 as per Census-2011, consisting of 24 Nos. of Wards with 22146 households.

Looking in to the sufferings of the people of the city, the Housing & Urban Development Department, Govt of Odisha has directed the Municipality to go for a Comprehensive Drainage Master Plan for JHARSUGUDA MUNICIPALITY Area as mandated by the 5th State Finance Commission to solve the above issue.

JHARSUGUDA MUNICIPALITY 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 24 wards.

In support of the Invitation for the EOI (Offer), the JHARSUGUDA MUNICIPALITY 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 JHARSUGUDA Town consisting of the Municipality area & fringed areas. The entire studies 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:

- ❖ Total station 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 JHARSUGUDA MUNICIPALITY 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 JHARSUGUDA 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 I 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 adequacy 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.

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, JHARSUGUDA 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, ie. One DPR should be prepared for one Main Drain including all its Secondary and Tertiary Drains in a holistic manner.

Out comes all deliverables

By the completion of this task the JHARSUGUDA MUNICIPALITY 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 JHARSUGUDA MUNICIPALITY 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 preparation of at least one comprehensive Urban Storm Water master Plan design/ Pipeline/ sewerage network plan/irrigation survey Project for any Government bodies of Odisha in the last 5 years.
- ❖ The agency must have completion certificate of a single work of value 15 Crore or more within last five years and should be a license holder from ORSAC.
- ❖ The annual turnover of the agency should not be less than Rs 50 lakh in any one year in the last 5 years from consultancy service (Statement showing annual turnover certified by a Chartered Accountant have to be furnished with bid documents)
- ❖ Should produce original CAD software license minimum 3 (three) nos in the name of agency.

Tender Processing fees Rs. 10000.00 (Ten Thousand) only Non Refundable and EMD 1% of bid value in form of bank guaranty/ DD/ Fixed deposit duly pledged in the name of Executive Officer JHARSUGUDA MUNICIPALITY.

Marking and Returning Proposals

- Sealed proposals must be received at the specified address no later than the closing date and time, i.e. by 3.00 PM of date 30/12/2023
- 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, JHARSUGUDA MUNICIPALITY, JHARSUGUDA- 768201, Dist.-Jharsuguda (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 JHARSUGUDA MUNICIPALITY”**
- 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.

Payment Terms and Schedule in a tabular form

The Payment of Consultancy Fees will be made as per the following table:

SL No.	Milestone to be Achieved	Installments of Payments
1	On presentation of proposal report with Arial views of different parts of the JHARSUGUDA MUNICIPALITY in connection to Storm Water Drainage Master Plan for JHARSUGUDA MUNICIPALITY, submission of 5 copies and for mobilization.	10% of the total amount of the existing road in KM as per the road statistics report of JHARSUGUDA MUNICIPALITY will be released.
2	On submission of total station survey report 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 JHARSUGUDA MUNICIPALITY jurisdiction. So, as to enable for preparation of Master DPR on drainage system & Topographical survey report of the identified water logged areas, road side drains and nallas to JHARSUGUDA MUNICIPALITY. (L-Section & Cross-Section)	25% of the total amount of road covered in KM will be released.(On completion of each ward)
3	On submission of ward wise Details Project Report (DPR) as per the requirement mentioned in the agreement with due verification of J.E/A.E & MUNICIPALITY Engineer of JHARSUGUDA MUNICIPALITY.	25% of the total amount of road covered in KM will be released.(On completion of each ward)
4	On submission of composite Details Project Report (DPR) Storm Water Drainage Master Plan of JHARSUGUDA MUNICIPALITY to this office.	20% of the total amount of road covered in KM will be released.
5	Preparation of specification and submission of Tender Documents drain wise good for construction.	Balance amount will be released as per the total length of road covered in the master plan.

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

Annexure - I

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

To

The Executive Officer,

JHARSUGUDA MUNICIPALITY, JHARSUGUDA

Sub: EOI FOR PREPARATION OF STORM WATER DRAINAGE MASTER PLAN & DPR OF JHARSUGUDA MUNICIPALITY.

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 JHARSUGUDA MUNICIPALITY"

In accordance with your EOI document No: Date: 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 JHARSUGUDA MUNICIPALITY 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 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	

Copies of Original documents defining the legal status, registration etc. are to be enclosed.

Place:

Signature of the applicant

Date:

Name & Designation

List of assignments completed in last 5 years ending 31.03.2022

Sl. No.	Name of Work/Project with Address	Short description of assignment	Name and Address of Owner/Client	Cost of Work/Project	Date of Start of Work/Project	Date of Completion of Work/Project

NOTE:

Work/Projects mean similar nature of work as per the objective and broad scope of the assignment. The list of works/project mentioned should be substantiated with documentary evidence such as work orders or contract agreement or completion certificates from the owner/client.

Place:

Signature of the applicant

Date:

Name & Designation

Financial Status of Firm/Organization

Sl. No.	Financial Year	Annual Turnover(Rs.)
1	2018-19	
2	2019-20	
3	2020-21	
4	2021-22	
5	2022-23	

Note: Certified copies of audited Balance Sheets/Chartered Accountants' Certificates to be enclosed for each financial year.

(Seal and Signature of Statutory Auditor)

To,
The Executive Officer,
Jharsuguda Municipality,
Jharsuguda

SUB: FINANCIAL BID FOR PREPARATION OF STORM WATER DRAINAGE MASTER PLAN & DPR
OF JHARSUGUDA MUNICIPALITY.

Sl. No.	Item	Unit	Rate (Rs.) for whole assignment	
			In Figure	In Words
1.	Preparation of Comprehensive Drainage Master Plan along with DPR for Storm Water Drainage System of Jharsuguda Municipality Area in conformity with the provisions of detailed scope of work of the tender documents.	Per One Square km survey of municipality area.		

GST Extra as per Govt. of India actual rate.

Place:

Signature of the applicant

Date:

Name & Designation

BID Evaluation Parameters

Sl. No.	BID Evaluation Parameters	Allocation of Marks
1	Should have annual turnover of 50 Lakhs and above in anyone of the last three financial years.	10
2	Experience of 2 nos. storm water drainage DPR project in Odisha (ongoing work also Admissible) shall be consider 5 marks for each work (documents to be submitted W.O./Agreement copy)	20
3	Should have owned DGPS and original CAD Software (proof to be submitted)	30
4	Qualification and competence of the key Professionals staff for the assignment. Team Leader – M.E./M. Tec (regular Course) specialization in Hydrology with experience in Master Plan / DPR preparation in the area of sewerage or storm water management or drainage.	20
5	Should have registered office in Odisha.	10
6	Should submit valid PAN, GST and IT Returns of last three years.	10
	TOTAL :-	100

**Executive Officer,
Jharsuguda Municipality.**