

**OFFICE OF THE NOTIFIED AREA COUNCIL,  
DHAMNAGAR  
Dist: BHADRAK**

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

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



ବିଜ୍ଞାପିତ ଅଞ୍ଚଳ ପରିଷଦ କାର୍ଯ୍ୟାଳୟ, ଧାମନଗର

OFFICE OF THE NOTIFIED AREA COUNCIL, DHAMNAGAR

Pin:-756117 (Odisha) Tel.No-06786-236056 / E.Mail: dhamnagar.nac@gmail.com

No: **2279/NAC**

Date: **24.08.2023**

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

Dhamnagar NAC proposes to undertake Preparation of storm water drainage master plan & DPR for Dhamnagar 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.bhadrak.nic.in](http://www.bhadrak.nic.in) and obtained from the office of Dhamnagar NAC by paying the Tender Paper Cost Rs.10,000 (Rupees Ten Thousand) only Non Refundable by paying through D.D in the name of Executive Officer, Dhamnagar NAC during office hour on or before Dt: **05.09.2023** .

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: **05.09.2023..**

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

*[Signature]*  
24.08.23  
Executive Officer  
Dhamnagar NAC

**Memo No:2280/ Dated: 24.08.2023**

Copy submitted to the Collector, Bhadrak / The Project Director, DRDA-cum-P.D., DUDA, Bhadrak, /Chairperson, Dhamnagar NAC / The Sub-Collector, Bhadrak / Tahasildar, Dhamnagar / Block Development Officer, Dhamnagar/ Executive Engineer (Roads and Building) Division, Bhadrak / Executive Engineer, Salandi Canal Division, Bhadrak / Executive Engineer (Rural Works) Division, Bhadrak / Executive Engineer (Rural Works) Division-II, Bhadrak / Executive Engineer Drainage Division, Bhadrak/ Assistant Executive Engineer, P.H.D, Bhadrak 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.

D.I.O., NIC, Bhadrak for display in NIC website for wide publication.

*[Signature]*  
24.08.23  
Executive Officer  
Dhamnagar NAC

**Memo No: 2281 /Date: 24.08.2023**

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.3000/- on or before **26.08.2023** 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.

*[Signature]*  
24.08.23  
Executive Officer,



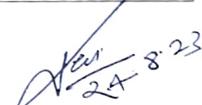
# ବିଜ୍ଞାପିତ ଅଞ୍ଚଳ ପରିଷଦ କାର୍ଯ୍ୟାଳୟ, ଧାମନଗର

## OFFICE OF THE NOTIFIED AREA COUNCIL, DHAMNAGAR

Pin:-756117 (Odisha) Tel.No-06786-236056 / E.Mail: dhamnagar.nac@gmail.com

### Schedule of EOI & Other important Information

Sl. No.	Particular	Details
1	2	3
	Office address to available the EOI	<a href="http://www.bhadrak.nic.in">www.bhadrak.nic.in</a> & Dhamnagar NAC, Dist- Bhadrak
01	Last Date of Receipt Pre-bid Query through E-mail ID only E-mail ID:- dhamnagar.nac@gmail.com	30.08.2023
02	Last Date and Time of Submission of bid by Speed Post/Registered Post/Courier by Hand (Bid due Date & Time)	05.09.2023 at 5.00 P.M
	Date & Time of opening of the Technical & Financial Bid	07.09.2023 at 11 A.M
04	Date & Time of PPT presentation	07.09.2023 at 3.00 P.M
05	Cost of EOI Document	Rs.10,000/-By paying through DD in the name of Executive Officer, Dhamnagar NAC on before Dt.04.09.2023
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, Dhamnagar NAC
07	Address where bidder must sent proposal	Executive Officer Dhamnagar NAC

  
Executive Officer,  
Dhamnagar NAC



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**OFFICE OF THE NOTIFIED AREA COUNCIL, DHAMNAGAR**  
Pin:-756117 (Odisha) Tel.No-06786-236056 / E.Mail: dhamnagar.nac@gmail.com

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

Dhamnagar NAC is in the District of Bhadrak having an approximate area of Ac. 4514.20Dec/18.27 Sq. Kms and Population of 22920 as per Census-2011, consisting of 11 Nos. of Wards. Looking in to the sufferings of the people of the city, the Housing & Urban Development Department, Govt of Odisha has directed the NAC to go for a Comprehensive Drainage Master Plan for Dhamnagar NAC Area as mandated by the 5th State Finance Commission to solve the above issue.

Dhamnagar 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 11 wards.

In support of the Invitation for the EOI (Offer), the Dhamnagar 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 Dhamnagar 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 Dhamnagar 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 Dhamnagar 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 (3 nos) 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, Dhamnagar 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 DHAMNAGAR 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 DHAMNAGAR 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 of Odisha in the last 5 years.
- ❖ The agency must have completion certificate of a single design work of value Minimum Rs. 5 Crore or Completion of single survey work of value Minimum Rs. 30 Lakhs within last five years.
- ❖ 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 2 (two) nos in the name of agency.
- ❖ The attested copies of PAN Card/ GSTN Registration Number.

**Tender Paper Cost Rs. 10,000.00 (Ten 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 Dhamnagar NAC.**

**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 05.09.2023**
- 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, Dhamnagar NAC, Dhamnagar-756117, Dist.-Bhadrak (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 DHAMNAGAR 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

14. The Consultants have to present their proposal to the Evaluation committee on Dated. **07.09.2023** at 3.00 P.M. in the Conference Hall of Dhamnagar NAC .

### Proposals are:

SI No	Parameter	Max Points
1	Company profile and Specific experience of the consultants related to the Assignment/ Qualifications and competence of the Key professional staff for the Assignment. Are:	30
2	Presentation	40
4	Quoted Bid Price	30
	Total points	100

### . Duration of Service: One Month.

- 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 2 (Two) 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.

SI. No.	Activity / Report	Time from the Previous Activity
1	Submission of inception Report (5 copies)	15 <sup>th</sup> Days
2	Submission of Preliminary Report (5 copies)	15 <sup>th</sup> Days
3	Submission of Draft DPR Report ( Hard copies)	One months
5	Submission of Detailed Project Report for all major /prioritized Drains (5 Hard copies + 1 CD Media/Pen drive)	One month
4	Submission of Final DPR Report (5 Hard copies + 1 CD Media / Pen drive )	Two months

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 Dhamnagar NAC is 19.00 square kilometer. The Professional charges so calculated will be released in the stages mentioned below:

Sl. No.	Activity / Report	Payment Schedule
1	Approval of Inception Report ( 5 copies)	10%
	Approval of Preliminary Report (5 copies)	30%
3	Approval of Draft Master Plan Report ( 5 Hard copies)	30%
4	Approval of Final Master Plan Report( 5 Hard copies) + ICD Media/Pen Drive	30%
5	Approval 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 ( 5 Hard copies + 1 CD Media/Pen Drive	80%
6	Approval of Tender Documents (5 Hard copies + 1 CD Media/Pen Drive	20%

The payments 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.

Executive Officer,  
Dhamnagar NAC

08-23

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

To,

The Executive Officer,  
Dhamnagar NAC

Sub:

EOI FOR PREPARATION OF STORM WATER DRAINAGE MASTER PLAN & DPR OF  
Dhamnagar 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 DHAMNAGAR 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 Dhamnagar 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:

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

**To,**

**The Executive Officer,  
Dhamnagar NAC**

**Sub: EOI FOR PREPARATION OF STORM WATER DRAINAGE MASTER PLAN & DPR OF  
Dhamnagar 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 DHAMNAGAR 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.

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

**Signature of the Applicant**

**Name & Designation of Signatory**

**Date**

**Organizational Details**

<b>Sl. No.</b>	<b>Parameter</b>	<b>Details</b>
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 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  
Dhamnagar NAC  
Dhamnagar-756117, Orissa.****Sub: Consultancy Services for "Preparation of Comprehensive Drainage Master Plan & Detailed Project Report for Storm Water Drainage System of Dhamnagar 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	
			In Figure	In Words
1	Preparation of Comprehensive Drainage Master Plan along with DPR for Storm Water Drainage System of Dhamnagar NAC Area in conformity with the provisions of detailed scope of work of the tender documents. (Covering total projected NAC area of approximately 19.00 sqkm)	Per One Sq km NAC Area		
2	Preparation of Individual DPR i) For major storm water drains in conformity with the detailed scope of work in the tender document (Covering total projected NAC and of approximately 19.00 sqm). ii) For storm water drainage network including secondary, tertiary & street drains in and around municipal area except major drains in conformity with detailed scope of work of tender documents.	For Total NAC Area		
	<b>TOTAL</b>			

**Signature of the Applicant****Name & Designation of Signatory****Date**