

GOVERNMENT OF TRIPURA
DEPTT. OF SCIENCE, TECHNOLOGY & ENVIRONMENT
VIGYAN, PRAJUKTI O PARIVESH BHAWAN
GORKHABASTI, AGARTALA, PIN-799006
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NOTICE INVITING EXPRESSION OF INTEREST (EOI)

File No. 8(33)/DSTE/env/Pt-III/L/ 236-46

Date: 16/01/2016

Expression of Interest (EOI) is invited from the reputed registered Firms/Companies/Agencies having experience for preparation of **State of Environment Report (SoER)** for Tripura. The EOI should include the financial break up along with work plan as per the annexed format.

The bid should include the organisational structure and the past experience of the agency in similar projects/works.


For detail information and the proposed format of SoER, please visit our website "<http://dstetripura.nic.in/>"

Last date of submission of EOI: up to 5:00 P.M. of 15/02/2016.

Address of communication:

Special Secretary & Director,
Department of Science, Technology & Environment,
P.N. Complex, Vigyan Prajukti O Paribesh Bhawan,
Gorkhabasti, Agartala
Tripura-799006

NB: The documents may be sent only by post. No faxed or emailed applications will be accepted.


(D. Chakraborty (IFS)
Spl Secretary & Director
Deptt of Science Technology &
Environment, Govt of Tripura.

INTRODUCTION

Brief about this Department:

The Department of Science, Technology & Environment, Govt. of Tripura is established in the year 1985 to provide science & technology inputs for development of socio economic scenario and quality of life of the people, especially the marginalized section of the society. Amelioration of the Environment also needs to be addressed by the Department together assimilation of the knowledge of biotechnology and renewable energy into the developmental process of the state. Mission is to transform the Department by way of achieving high standard of performance and to be recognized as an Institution which is devoted towards promotion of science & technology in everyday life of the people and amelioration of the environment and safeguarding the natural resources of the state. The Vision of the Department therefore is to strive for implementation of all the policies relating to conservation of its natural and biodiversity resources, abatement of pollution of all forms and betterment of the ecosystem through application of science and technology in consonance with the principles of sustainable development for enhancement of general well-being of the people.

Purpose/Objective:

As a part of the mandate of this Department and commitment towards the people of the State, it has been decided to preparation of **State of Environment Report (SoER), Tripura**. The objective of this report to study the status of the environment, understand and assess the causes of environment problems to initiate policies and programme for maintaining the ecological balance. Accordingly, environmental standards may be on set up as corrective measures by involving all stakeholders in environmental management and enforcement.

In order to achieve our objective, it is suggested that all interested bidders should visit our site for better understanding of the system and the objective.

DISCLAIMER:

All information contained in this, Expression of Interest (EOI) subsequently provided / clarified are in good interest and faith. This is not an agreement and is not an offer or invitation to enter into an agreement of any kind with any party.

Each bidder/contractor should conduct its own investigation and analysis & should check the accuracy, reliability and completeness of the information in this Expression of Interest. Applicants should make their own independent investigation in relation to any additional information that may be required.

Bidder's organisation & experience:

The bidders must have the following qualification criteria:

The bidder must have inline experience in field of environment, ecology etc. The bidder must submit documentary evidence (Work Order copy & performance certificate) in support to the above.

The bidder must submit the following along with the above:

Photo copies of VAT/ST Registration Certificate, Provident Fund Registration Certificate, IT PAN and Service Tax Registration Certificate etc.

CRITERIA FOR EVALUATION & SELECTION PROCESS

The bidders may be called to site to give their presentation.

Note:

√ EOI must contain the name of the company/Firm/Organisation, credentials, name of the contact person with address, contact number (cell No., Fax no., e-mail ID etc.).

√ Department reserves the right to accept / reject any Expression of Interest (EOI) from parties without assigning any reasons whatsoever.

Annexure-1

GENERAL INFORMATION OF THE BIDDER

Note: Separate sheets may be used wherever necessary.

1. Name & Address of the Bidder.
2. Name & Designation of the concerned officer to whom all references shall be made.
3. Fax nos.:
4. Phone nos. / Mobile Nos.:
5. E-Mail ID:
6. Chief of the Organization : E-mail Id: Telephone:
7. Total No. of Employees/Manpower Strength:
8. Type of the Organization (Public Sector /Limited/Private limited/Partnership/ Proprietary /Society/Any other.)
9. No. of Offices/Centers (enclose the list):
10. Bidder's Proposal No. & Date:
11. Particulars of past experience of similar works furnished.
12. Any other information that bidder may like to give in order to highlight his bid.
13. Name & address of local representative, if any :

Place :

Signature of Party:

Date :

Name in Full:

Designation/Status:

Company/Organisation Seal:

**Department of Science, Technology & Environment
Government of Tripura**

Annexure-2

Name of the BIDDER:

DETAILS OF WORKS AND SERVICES OF SIMILAR NATURE DONE BY THE PARTY DURING THE LAST FIVE YEARS (which best illustrate Qualification):

Sl. No.	Name of Company	Description of work	Value of work	Period		The work is done directly or through sub contractor	Remarks
				From	To		

Note: Photocopy of Performance Certificate / Completion Certificate of Owner in Support of the work mentioned above is required to be enclosed.

Note: **Separate sheets may be used wherever necessary.**

SIGNATURE OF THE BIDDER

**Department of Science, Technology & Environment
Government of Tripura**

Annexure-3

Name of the BIDDER:

SUPPORTING / ATTACHED DOCUMENT LIST (If any):

Attachment No.	Supporting document/ Additional Sheet	Document No.

Note: Separate sheet/ credentials may be used/ enclosed wherever necessary.

SIGNATURE OF THE BIDDER

SEAL OF THE BIDDER

**Department of Science, Technology & Environment
Government of Tripura**

Annexure-4

Name of the BIDDER:

Details of Suggestion/Deviation, if any:

Sl. No.	Page No.	Description	Remarks/Reasons/Alternatives

Note: Separate sheets may be used wherever necessary.

SIGNATURE OF THE BIDDER

SEAL OF THE BIDDER

**Department of Science, Technology & Environment
Government of Tripura**

CHECKLIST

Please note:

To help you prepare the best application possible, all items below need to be considered and ticked off. This will also assist us with assessment of your application.

During EOI Submission, please keep this page after the cover page.

(Put \checkmark / \times in the appropriate box under remarks column)

Sl.No.	Description	Page Number	Remarks
1	Photo-copies of Credentials/ Supporting documentary evidence Technical Qualifying Criteria.		
2	Photo-copies of VAT/ST Registration Certificate		
3	Photo-copies of Provident Fund Registration Certificate		
4	Photo-copies of IT PAN		
5	Photo-copies of Service Tax Registration Certificate		
6	Annexure-1		
7	Annexure-2		
8	Annexure-3		
9	Annexure-4		
10	Final Envelope containing all the above		

Proposed format of State of Environment Report to be prepared by the states contents

Theme	Key Indicators	Unit (Data)
	Total Geographical Area of the State	
Forests and Wildlife	Forest area	% of land area
	Reserved forest area	Area in km ²
	Protected forest area	Area in km ²
	Unclassed forests	Area in km ²
	Forest cover on the basis of tree canopy density <ul style="list-style-type: none"> • Very dense forests (VDF) • Moderately dense forests (MDF) • Open forest (OF) 	Area in km ² / % of total geographical area
	Change in forest area	% or 1000 Ha
	Number of forest incidences	No.
	Extent of plantation forests	Ha
	Change in the quality of forests	
	Change in the no. of wild animal	
Biodiversity	Total area of wetlands/ marshes	Ha/ % of total area
	Total area of mangroves	Ha/ % of total area
	Terrestrial protected areas	% of land area
	Threatened plants	No.
	Threatened birds	No.
	Threatened mammals	No.
	Net trade in wildlife and captive-bred species	Million US\$
No. of BMCs		
TFRK documentation		
Loss of Biodiversity		
Coastal and Marine Ecology	Urban population living in coastal areas	%
	Area of Exclusive Economic Zone (EEZ)	Ha
	Number of marine protected areas ⁵	No.
	Marine protected areas	Percentage of territorial waters upto 12 nautical miles
	Change in Mangrove area	Percent
	Level of dependence for livelihood	
Land Degradation & Desertification	<ul style="list-style-type: none"> • Land resources • Causes of degradation: anthropogenic and other pressures, e.g., faulty land use practices, indiscriminate use of resources such as soil, water and other inputs • Soil maps and soil fertility maps • Soil erosion and land degradation 	Percentage of total geographical area

	(data/maps) <ul style="list-style-type: none"> • Problems soils (salinity/sodicity/water logging/acidity) etc. • Desertification, if any, extent, causes and effects 	
	Degraded land	Ha percentage of total land area
	Average annual soil erosion rate	tons/Ha
	Land affected by wind erosion	Percentage of total geographical area
	Land affected by water erosion	Percentage of total geographical area
	Total land affected by desertification	Percentage of total geographical area
Air Pollution	GHG emissions by sector <ul style="list-style-type: none"> • Agriculture • Industrial processes • Energy • Waste 	%
	Mean SO ₂ concentration of major cities	µg/m ³
	Mean NO ₂ concentration of major cities	µg/m ³
	Mean PM ₁₀ concentration of major cities	µg/m ³
	CO ₂ emission	Kilotonnes
	CO ₂ emission per capita	Tonnes/per capita
	Concentration of ozone	ppbv
	Growth in registered factories	%
	Increase in number of vehicles	Number
	Critical areas in terms of air pollution	No.
	Vehicles and linkages to RSPM/NOx/SO ₂	No.
	Incidence of air pollution related ailments vis a vis reported pollution levels	
Water Pollution	Population with safe drinking water	% of the total Population
	BOD level of most important rivers	Mg/l
	Population with access to sanitation	% of the total Population
	DO level of most important rivers	Mg/l
	Coliform count per 100 ml	MPN/100 ml
	Fertilizer and pesticide use	Kg/Ha
	Arsenic contamination in groundwater	µg/L
	Fluoride contamination in groundwater	µg/L
	City covered by sewage network	%
	Sewage treated	%
	Treated Sewage recycling	%

Noise Pollution	Sound levels <ul style="list-style-type: none"> • Industrial area • Commercial area • Residential area • Silence zone 	dB
Agricultural and Allied Sectors	Crop-wise area, production and productivity of principal arable crops	Area under horticulture, pasture crops, and organic agriculture
	Agroforestry systems and practices (area, production and other characteristics)	Livestock population and production trends
	Fisheries statistics	Chemical fertilizer use and efficiency: site-specific nutrient management
	Insecticides/fungicides/herbicides and other chemicals in agriculture	Agricultural non-point source pollution and other forms of environmental contamination
	Biofertilizers	Organic agriculture (extent, production, quality aspects)
	Secondary agriculture to alleviate harmful environmental impacts	Programmes and schemes of the Government
Water Resources and Irrigation	Annual freshwater consumption per capita	m ³
	Annual Ground water withdrawal	Cu m/capita/annum
	Annual water withdrawal	Cu m/capita/annum
	Total actual renewable water resources	m ³ /year
	Proportion of total water withdrawal for agriculture	%
	Proportion of total water withdrawal for industrial sector	%
	Proportion of total water withdrawal for municipal sector	%
	Groundwater abstraction	Km ³ /year
	Population with water Stress	
	Groundwater vs surface water use in city water supply and irrigation	%
	Ground water resources in safe zone/stressed zone//critical zone	%
Environment and Plant, Animal and Human Health	Deaths per year due to outdoor pollution	Number
	Mortality per year due to indoor air pollution	Number
	Disability adjusted life years (DALYs)	years
	Percentage of population with access to improved sanitation	%
	Proportion of population with access to safe drinking water	%
Energy, including Renewable Energy	Total commercial energy production (coal, crude oil and natural gas)	Kt of oil equivalent
	Total commercial energy consumption (coal, crude oil and natural gas)	Kt of oil equivalent
	Net Energy Imports	% of Energy use

	Fossil fuel energy consumption	% of Energy use
	Electricity generation	Billion Kilowatt hours
	Population with electricity	Millions
	Electrification rate	%
	Alternative energy use	% of total energy use
	Theoretical hydropower capacity	Gigawatts per hour
	Installed hydropower capacity	Gigawatts
	Population relying on biomass	Millions Percentage of total population
Waste Management	Solid waste generated	Metric tonnes
	E-waste generated	Metric tonnes
	Hazardous waste generated	Metric tonnes
	Growth in generation vis a vis GDP	
	Waste collected every day	%
	Waste recycled	%
	Waste sent to processing facility	%
	Waste disposed	%
Environmental Hotspots	Endemic plants	Number
	Endemic animals	Number
	Protected area	% of hotspot area