

**EXPRESSION OF INTEREST (EOI)**  
**FOR**  
**SELECTION OF AGENCY FOR**  
**IMPLEMENTATION OF NEW EMERGING TECHNOLOGIES**  
**IN DISASTER RISK MANAGEMENT FOR THE**  
**STATE OF UTTAR PRADESH**



**OFFICE OF RELIEF COMMISSIONER,**  
**GOVERNMENT OF**  
**UTTAR PRADESH**

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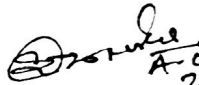
4366/IT.311.210/2023-24

Dated - 26.7.2023

**EOI NOTICE**

**For Selection of Agency for Implementation of new Emerging Technologies in Disaster Risk Management for the state of Uttar Pradesh**

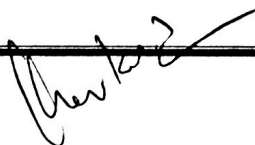
Online proposals are invited for the selection of Agency for Implementation of new Emerging Technologies in Disaster Risk Management for the state of Uttar Pradesh on behalf of Office of Relief Commissioner, Government of UP to 04.00 P.M. on 10 August 2023. The details of submission of EOI are available on the e-tender portal <https://etender.up.nic.in> and website of <https://rahat.up.nic.in/>

  
A.O. 26.7.23  
for Relief Commissioner,  
Office of Relief Commissioner  
II<sup>nd</sup> Floor, Annexe Building,  
Lal Bahadur Shastri Bhawan,  
UP Secretariat, Lucknow

## SECTION I: LETTER OF INVITATION

- Through this Expression of Interest (EOI) it is intended to invite EOI for **"Selection of Agency for Implementation of new Emerging Technologies in Disaster Risk Management for the state of Uttar Pradesh"**
- Bidders are advised to study the EOI document carefully.
- Submission of EOI against this document shall be deemed to have been done after careful study and examination of the procedures, terms, and conditions of the EOI document with full understanding and its implications.
- The Relief Commissioner office may, at its own discretion, extend the date for submission of EOI. In such case all the rights and obligations of the Relief Commissioner office and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
- The EOI document is available on eTender portal <https://etender.up.nic.in> and on <https://rahat.up.nic.in/>. Interested Bidders may view, download the EOI document, seek clarification and submit their EOI online only on eTender portal <https://etender.up.nic.in>, up to the date and time mentioned in the table below: -

EOI Reference No.	
Purpose	Expression of Interest (EOI) For <b>"SELECTION OF AGENCY FOR IMPLEMENTATION OF NEW EMERGING TECHNOLOGIES IN DISASTER RISK MANAGEMENT FOR THE STATE OF UTTAR PRADESH"</b>
Date of Publication of EOI notice	26 <sup>th</sup> July 2023 on e-Tender Portal <a href="https://etender.up.nic.in">https://etender.up.nic.in</a>
Last date for submission of Expression of Interest (EOI)	10 <sup>th</sup> August 2023 up to 16:00 Hours
Site for Submission of EOI	<a href="https://etender.up.nic.in">https://etender.up.nic.in</a>
Expression of Interest (EOI) Officer	Relief Commissioner, Uttar Pradesh
Date of Opening	10 <sup>th</sup> August 2023 at 18:00 Hours or afterwards



Venue of Opening of Expression of Interest (EOI)	Office of Relief Commissioner IInd Floor, Annexe Building, Lal Bahadur Shastri Bhawan, UP Secretariat, Lucknow
Relief Commissioner email addresses	<a href="mailto:rahat@nic.in">rahat@nic.in</a>
Contact numbers	0522-2238200, 2215011

- The Relief Commissioner Office reserves the right to cancel any or all the expression of interest (EOI) or annul the expression of interest (EOI) process without assigning any reason thereof.
- The Bidders must upload all the required documents electronically in the PDF format on eTender portal <https://etender.up.nic.in>. It is suggested that the PDF Files should be made in gray scale using the minimum readable appropriate resolution so that the size of the files is minimized for fast uploading on the eTender portal <https://etender.up.nic.in>. The required electronic documents for each document label of Technical (Fee details, Annexure etc) schedules/packets can be clubbed together to make single different files for each label. The size of Single label file should not exceed 20-25 MB size.

### CONDITIONS

- This 'Expression of Interest' is not an offer and is issued with no commitment. Office of Relief Commissioner, Government of UP, Lucknow reserves the right to withdraw the 'Expression of Interest' and change or vary any part thereof at any stage, if department determines that such action is in the best interest of the State Government.
- The original Manufacturer's/Agency submitting their proposal will be issued a formal request letter to participate in a meeting to be held at Lucknow office. Timing and sequence of events resulting from this EoI shall ultimately be determined by the Department.
- Manufacturers/Agency are also required to make commitments for code of ethics and for adherence to Government's anti-corruption policy. No oral conversations or agreements with any Official, Agent or Employee of the Department shall affect

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or modify any terms of this EoI.

- Manufacturers/Agency who are found to canvass, influence, or attempt to influence in any manner, by offering bribes or any other illegal gratification, shall be disqualified from the process at any stage.
- All the offers received before that last date and time of submission, the proposals and accompanying documentation will become the property of the Department and will not be returned.
- By submitting their proposal, each manufacturer shall be deemed to acknowledge that he/she has carefully read all sections of this EoI.
- Manufacturers/Agency interested in the project may visit the site before submitting their proposals.

## SECTION II: TERMS OF REFERENCE (TOR) AND SCOPE OF WORK (SOW)

The Government of Uttar Pradesh invites proposals for the Selection of Agency for Implementation of new Emerging Technologies in Disaster Risk Management for the state of Uttar Pradesh. With the aim to compile, implement and present the impacts of disasters on Uttar Pradesh with a special focus on the climate system, hazards in the context of extreme events. The main objective is to explore various options for mainstreaming, best practice and technologies, informed by empirical and scientific assessments, to build strategies to respond to the impact of disasters. Based on new emerging technologies like AI/ML, Block-chain, Artificial Intelligence, modelling one can study the AS-IS report and on the basis of the decision support system can predict the future conditions of the climate that helps to manage the predictive disasters.

### INTRODUCTION :-

- The Office of Relief Commissioner is nodal for effective management, response & relief, rehabilitation, and reconstruction in case of both natural and anthropogenic disasters in the State.
- The Office of Relief Commissioner is also responsible for legislation and policy making about disaster management.
- It also plays an important role in mainstreaming disaster risk reduction into the development plans of concerned departments.

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- The Office of Relief Commissioner is responsible to build a safe and disaster-resilient Uttar Pradesh by developing a holistic, proactive, multi-disaster and technology-driven strategy for disaster management. This will be achieved through strengthening ongoing efforts in building a culture of prevention, mitigation, and preparedness in state through collective efforts of the government with special focus on most vulnerable communities.

#### **OBJECTIVES:-**


- To further strengthen institutional structure of disaster management in the state.
- To undertake effective measures for reducing the impact of natural and man-made disaster.
- To provide prompt & effective rescue operations and transparent relief distribution to affected people.

Uttar Pradesh is prone to multiple hazards which include flood, drought, storms, fire, hailstorms, earthquake and lightning of high severity. More than 40 out of the 75 districts in the state are prone to floods. Areas in western Uttar Pradesh that were historically not flood prone have also started experiencing flooding in recent years. Districts of Terai belt are also prone to earthquake as they fall in seismic zone IV. The state is also prone to drought where Bundelkhand & Vindhya region of state is more prone to drought condition. The state also faces extreme heat and cold wave conditions in peak summer and winter conditions respectively. Lightening, thunderstorm and high-speed winds in parts of the state have also added further distress in the state. These recurring calamities result in substantial annual losses and minimize developmental gains.

#### **SCOPE OF WORK: -**

Natural disasters are large-scale geological or meteorological events that have the potential to cause loss of life or property. These types of disasters include:

- **Floods**
- **Lightening**
- **Drought**
- **Warnings & other weather data**
- **Earthquakes**



These meteorological events are occasionally preceded by presidential "emergency declarations" requiring state and local planning prior to the event, such as evacuations and protection of public assets. Other than above, state also experience deaths due to drowning, snakebite etc.

**The scope of the study is to understand and incorporate new emerging technological interventions and innovations into the DRR strategy for minimizing loss and building resilient state.**

- **POC Approach, Report and Data:** The approach of the study will be by raising questions through indicator, attributes and their relationship with natural and anthropogenic causes & make Proof of Concept (PoC) using the latest & emerging technologies. An in-depth and rigorous review of literature and data needs to be carried out on natural hazards in special reference to Uttar Pradesh. The review needs to be done with the State. Secondary data from various databases, reports, departments' maps, etc. as required may be collected and incorporated into the report. The State Government will assign concerned areas for data collection. Finally, all the information will be collated into a synthesis and using new emerging technology for providing policy prescription & preventive action along with implementation framework and monitoring strategies and remediation with a scope of short, medium and long-term interventions.

**Note:** - *The PoC will be carried out for 03 months after selection of the successful bidder/bidders.*

**Expected Outcomes** - The findings of the PoC report will inform the department to design policies, programs and draft guidelines addressing the gaps in reducing the impact of climate change.

- The findings of the report will inform the department to design policies, programs and draft guidelines addressing the gaps and overlaps.
- A dashboard to visualize the real time data for development of better Decision Support Systems (DSS).
- Predictive analysis using topological data.
- The findings of the study will provide a substrate for disaster management planning with short, medium, and long-term planning.

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- The findings can also aid and inform the process of the Disaster Management Plan which is revised periodically.
- Creating a platform for data sharing and finding gaps or overlaps, which will facilitate key partnerships, which help avoid duplication, and reinforce joint working across agreements.
- The study will provide directions to address gaps in science-policy-practice for the state of Uttar Pradesh.
- A working framework to address the impacts of natural disasters & anthropogenic disasters in specific sectors like agriculture, education, health etc.
- Develop policy briefs to summarize the policy options and put forth recommendations on the best practices and strategies to address impacts of natural disasters & anthropogenic disasters in Uttar Pradesh.
- Roadmap on major landmarks in implementation of the working framework with a focus on long, medium- and short-term planning.

#### General Eligibility Criteria

S.No	Requirement	Documents
1	The Bidder must be incorporated or registered in India under the Indian Companies Act, 1956/2013 (including Section 25 of the Act), or a Partnership firm registered under LLP Act 2008 or Societies Registration Act 1860 or the Indian Trusts Act 1882/ it's equivalent in the respective States OR Proprietorship entities having a PAN number. The Bidder should have been in existence for a period of at least 3 years as of 31.03.2023. Should have been registered with the service tax Authorities	Certificate of Incorporation from Registrar of Companies (RoC) or Certificate of Registration • Registration certificates for GST, PAN number
2	The Bidder in case of Private/ PSU/ Govt. Company/ Commercial Organization/ Autonomous Body (Prime Bidder in case of a consortium) should have a Net Worth of at least INR 50 lakhs as of 31.03.2023 as evidenced by the	Auditor Certified financial statements for the financial years 2020-21, 2021-22 and 2022-23 should be provided by all types of bidders. The bidders should include the sections on P&L, Turnover, Assets and Balance Sheet.

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S.No	Requirement	Documents
	audited accounts of the organization.	<ul style="list-style-type: none"> <li>This should be supported by a statutory auditor certificate specifying the net worth.</li> </ul>
3	The Bidder (all members in case of consortium) should not have been blacklisted by Central, or any State/ UT Government or PSUs or Semi Government Companies	Covering letter with the application form
4	The Bidder should have experience of at least 03 State Government & Central Government project of Flood Disaster management using emerging technologies.	Copy of Work Order / LOA / LOI / Client Certificate / Agreement / Completion Certificate
5	The bidder should be a company registered in India under companies Act / Limited Liability Partnership firm	Copy of Registration Certificate
6	The Bidder should have at least 100 employees on its payrolls	Undertaking from Authorized Signatory/ CA/CS
7	The Bidder should have GSTN ID	Copy of GSTN ID

Only those bidders who meet the eligibility criteria specified above will be eligible to respond to this EOI. The bidder's proposal shall contain the relevant information & supporting documents to substantiate the eligibility of the bidder vis-à-vis the pre-qualification criteria.

### SELECTION CRITERIA

PROPOSED EVALUATION FOR AGENCY/ ORGANIZATION (MARKS 100)		
S.No.	Description	Marks
1	Presentation of Methodology adopted by Agency/Organization in front of e-Tender committee	30
2	Agency/Organization Past Experience in similar projects	30
3	Proposed project Team by Agency/Organization	25
4	Net Worth of Agency/Organization (> 50 lakhs)	15


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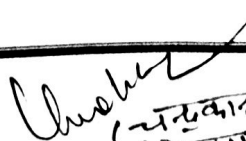
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### EVALUATION PROCESS: -

- The evaluation of the EOIs shall be done by the tender committee formed under Office of Relief Commissioner, Government of UP under Chairmanship of Relief Commissioner, Government of Uttar Pradesh.
- The interested entities shall have to fulfill the eligibility criteria as mentioned above qualification criterion above in full, failing which they would be rejected outright.
- All firms who meet the qualification criteria will be short-listed for the Association. Tender Committee will take the decision of this after Mutual agreement with the qualified entity and which will be final. The Participants will have no right to challenge such a decision.

  
(प्रशांत शास्त्री)  
प्रोग्रामर

  
(चन्द्रकांत)  
परियोजना प्रबंधक

  
(शिलेन्दु नाथ मिश्र)  
प्रशासनिक अधिकारी  
राहत आयुक्त कार्यालय  
उ० प्र० शासन।