



Government of Bihar
Superintending Engineer
Research & Training Circle, Shodh Bhawan
Khagaul, Patna, Bihar, PIN-801105

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Expression of interest (E.O.I) is invited from reliable, reputed and resourceful manufacturers/authorised dealers and distributors/consultants in different fields using cutting edge, cost effective technologies other than conventional products and methods used currently by Water Resources department, Govt. of Bihar catering to various works as mentioned below:

1. River Bank erosion control.
2. Flood Fighting and anti-erosion works.
3. Embankment construction and repairs.
4. Irrigation canal lining.
5. Construction of steeper embankment.
6. Innovative ideas/methods for emergent breach closure of canals and flood embankments.

(A) **Basic Criteria**: The technologies and products should satisfy the following criteria:

- [i] **High Cost-effectiveness**: Low life-cycle cost with low-to-very-low maintenance, easy repair ability and high performance reliability.
- [ii] **High Performance Efficiency as a System**: Should blend with the natural environment and improve performance and efficiencies of current practices.
- [iii] **Environmentally Friendly**: Should not harm the environment and should support the growth of ecological balance.
- [iv] **High Durability**: Should be highly durable while retaining the desired performance standards against degradation due to physical, chemical or biological effects.
- [v] **Enhanced Use of Local Resources**: Should support use of locally available resources and manpower without compromising on the engineering aspects of the structures.
- [vi] **Proven Performance Standards**: Should have proven performance records in India or abroad in the last 10 years or so.
- [vii] **Scalability & Versatility of Usage**: Should be adaptable to various prevailing and unforeseen ground conditions and be easily available with least procurement time so as to meet the ever-growing requirements of the sector.
- [viii] **Shortest Construction Time**: Considering the need for faster infrastructure development, the products/technologies should support shortest construction time and preferably be weather-proof.

(B) **Required Documents**: The agency should submit the following documents along with its expression of interest:

- [i] **Approach and Methodology**: Should include complete approach, methodology and technology for installation along with its complete design supported with research, technical specification etc.
- [ii] **Durability Performance**: It should be supported by laboratory reports, brochure, bulletin etc.
- [iii] **3rd Party Evaluation**: The performance of the products/services must be supported by a third party evaluation/audit report.
- [iv] **Rate**: Submission of involved relevant component wise rates of above mentioned work must be in per running metre, square metre, cubic metre etc. and also along with their finished rates.
- [v] **Work Experience**: The firms should attach documents depicting execution of mentioned work along with places in India or abroad or both.
- [vi] **Work Completion Certificate Issued by Employers**: The firm should attach employer's certificate issued for previous works done in said fields.

- (C) **Presentation and Demonstration** :- The agency may be asked to present the following:
- [i] **Power Point Presentation:** Arrange Power point presentation of their proposal in front of official of WRD.
 - [ii] **Physical Demonstration:** Selected proposal/s may be asked to make physical demonstration at selected work site(s) in limited area at their own cost.
- (D) **Minimum Eligibility Criteria** :
- [i] **Technical Experience:** The Firm should have at least 5 years of experience in various work mentioned above with proven performance records in India or abroad.
 - [ii] **Financial Experience:** The Firm should have executed Rs. 10 crore works during the last three financial year in various work mentioned above.

The Soft copies and Hard Copies should to be sent to undersigned to email address-serntcircle1khagaul@gmail.com and office postal address respectively by date 01-04-2021

Sd/-
Superintending Engineer
Research and Training Circle,
Khagaul, Patna

Letter No. 206 /Khagaul, Patna Date:- 25/02/2021

Copy forwarded to P.R.O., W.R.D., Bihar, Patna with Five (05) hard copies of EOI for Press Notice with 1 no. CD (English) for publication in leading Daily National level Newspapers.

[Handwritten Signature]
25.02.2021
Superintending Engineer
Research and Training Circle,
Khagaul, Patna.
[Handwritten Initials]