



**Government of West Bengal**  
**Irrigation & Waterways Directorate**  
Office of the Superintending Engineer  
**North East Irrigation Circle-I**  
**Debbari, Cooch Behar**  
Phone No. (03558) 2228342; e-Mail ID: seneic1@gmail.com

**NOTICE INVITING EXPRESSION OF INTERESTS (EOI)**  
**(For Budgetary purpose)**

**EOI No. WBIW/SE/NEIC-I/EOI-1/2020-21**

Expression of interest for obtaining competitive budgetary quotes at competitive market prices is being invited from reliable reputed resourceful Manufacturer/ Distributor/ Stockiest/ Authorised Dealer/ Supplier in their office letter pad in connection with the determination of estimate cost of "Supplying including laying at site Geo-mattress made up of double-layered composite Geo-textile fabricated to form a three-dimensional mattress after filling sand at designed slope" for the work "Protection work at Char Balabhut area along the right bank of river Kaljani for a length of 1200 m in Block- Tufanganj-I, P.S. Tufanganj, Dist- Cooch Behar by using Geo-mattress and Geo Textile Bags" by the Superintending Engineer, North East Irrigation Circle-I, Irrigation & waterways Directorate on behalf of the Governor of West Bengal.

**Issue of EOI documents:**

The EOI documents can be obtained from the departmental website [www.wbiwd.gov.in](http://www.wbiwd.gov.in) as well as from the office of the Superintending Engineer, North East Irrigation Circle-I, **Debbari, Cooch Behar** during office hours on working days till **28.01.2021 upto 14:30 Hrs.**

The rate should be quoted both in word & figure.

The intending quotationer may present at the time of opening of quotation.

Signature of the quotationer with stamp.

**Documents to be submitted:-**

- Latest Professional Tax Payment Certificate (PTPC) or, PT deposit challan for current financial year or Government Order for exemption in other States where ever applicable.
- Valid PAN Card in the name of bidder/organization.
- Valid Trade License/ acknowledgement or Receipt of application for Trade License
- GST Registration Certificate.
- Latest available I.T.Return Certificate.

Tender Inviting Authority reserves the right to consider acceptance of qualifying criteria of the proposal having minor deficiency from the prescribed limits if the situations so demands.

*Siet 11.1.2021*  
Superintending Engineer  
North-East Irrigation Circle-I  
Debbari, Cooch Behar

### SCHEDULE OF DATES FOR EOI

Date of Publishing EOI	14/01/2021	Sealed quotation will be received in the stipulated office of the Superintending Engineer, North East Irrigation Circle-I, & will be opened in the same venue.
Last Date of submission of Filled up EOI in sealed cover	28/01/2021 up to 15:00 Hrs	
Date of opening of EOI	28/01/2020 after 15:30 Hrs	

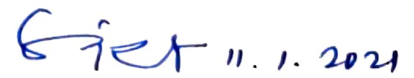
sd/- (S.K. Saha)  
Superintending Engineer  
North East Irrigation Circle-I  
Debibari, Coochbehar

Dated:-11.01.2021

**Memo. No.16(15)**

Copy forwarded for information and wide circulation through the office Notice Board to the:

01.	Chief Engineer, North East, Club Road, Jalpaiguri.
02.	Superintending Engineer, Teesta Barrage Circle, Teesta Sech Bhawan, 2 <sup>nd</sup> Mile, Sevoke Rd. Siliguri.
03.	Superintending Engineer & P.A. to the Chief Engineer, North East, Club Road, Jalpaiguri
04.	Superintending Engineer, North Bengal Mechanical & Electrical Circle, Tinbattimore, Siliguri.
05.	Superintending Engineer, Mahananda Barrage Circle, Tinbatti, Siliguri.
06.	Superintending Engineer, North East Irrigation Circle –II, Club Road, Jalpaiguri.
7-8.	District Magistrate, Coochbehar/Alipurduar.
09.	Nodal officer of e-Tendering. Irrigation & Waterways Department Jalsampad Bhawan, 7th Floor, Salt Lake City, Kolkata-700091 .
10-12	Executive Engineer, Coochbehar Irrigation Division/ Alipurduar Irrigation Division/North Bengal Design Division
13.	Executive Engineer and TA to SE of North East Irrigation Circle –I.
14.	Estimating Section of this Circle.
15.	Notice Board.



(S.K. Saha)

Superintending Engineer  
North East Irrigation Circle -I  
Irrigation & Waterways Directorate

## SPECIFICATION OF MATERIALS

**Approx required Quantity=20250.00 Sqm.**

**Budgetary Commercial Proposal:** Geo-mattress made up of double-layered composite Geo-textile fabricated to form a three-dimensional mattress.

Name of work	Protection work at Char Balabhut area along the right bank of river Kaljani for a length of 1200 m in Block- Tufanganj-I , P.S. Tufanganj, Dist- Cooch Behar <b>by using Geo-mattress and Geo Textile Bags.</b>			
Item No.	Description of Item	Unit of Rate	Rate in Rs.	Remarks
1	2	3	4	5
1.0	<p>Supplying at site Geo-mattress (with GST &amp; other applicable taxes) made up of double-layered composite Geo-textile fabricated to form a three-dimensional mattress after filling sand at designed slope: the upper layer of mattress being heavily woven with polypropylene fabric needle-punched with a mixture of UV stabilized green fibers and cut-tape yarns. Top surface of the mattress should have scrim fabric finish with sand up to 2mm retention capacity under a uniform pressure of 0.12KPa.</p> <p><b>UPPER LAYER PROPERTIES (GSM 650):</b> [1] Mass per unit area (ASTM D 5261) <math>\geq 650\text{g/m}^2</math>, [2] Tensile Strength (ASTM D 4595) <math>\geq 42\text{KN/m}</math>, [3] Pore Size (ASTM D 6767-2011) <math>\leq 0.35\text{mm}</math>, [4] Abrasion resistance (ASTM D4886) = Retained tensile strength <math>\geq 35\text{KN/m}</math>, [5] UV Stability (strength retained) (ASTM D 4355-92 @500 hours)<math>\geq 80\%</math>, [6] Resistance to Oxidation (strength retained as per ISO/TR 13438:1999E @ <math>100^\circ\text{C}</math> for 28 days <math>\geq 80\%</math>);</p> <p><b>LOWER LAYER PROPERTIES (GSM 400):</b> [1] Mass per unit area (ASTM D 5261) <math>\geq 400\text{g/m}^2</math>, [2] Tensile Strength (ASTM D 4595) <math>\geq 76\text{KN/m}</math>, [3] Pore Size (ASTM D 6767-2011) <math>\leq 0.35\text{ mm}</math>. The sewing thread of high tenacity polyester shall be used in continuous parallel stitches positioned 350mm apart with a stitch-length not exceeding 40mm (Typical value of tensile strength of stitch thread <math>&gt; 1000\text{N}</math>, elongation at break 20%). Anchoring shall be done by cutting trench at slope's upper end (at a designed offset having a depth of 1.00m &amp; width of 0.75m) &amp; Geo-mattress shall be laid along the slope-side vertical &amp; bottom width trench surface &amp; filled with earth-filled cement/HDPE bags. Seaming of Geo mattress shall be done at right angle to the sloping direction with a double-lock chain-stitch at not less than 3 stitches per inch to achieve minimum seam strength of <math>2\text{kN/m}^2</math>. The sewing yarn shall be made of high tenacity polyester having tensile strength of 200N &amp; elongation at break of 20%. Anchoring at the toe (slope bottom) is done by pulling the Geo-mattress under the toe protection material which may be gabions or Megabags or crates filled with earth-filled HDPE/cement bags.</p>			
2.0	<p>Labour charges for handling Geo mattress, laying on slope/trench in designed profile, filling with sand by pumping, stitching with thread, lapping and tamping wherever required, fine dressing of slope/ trench as per design profile including hire charges of pump set with suction /delivery pipe &amp; supplying of stitching thread and including GST &amp; other taxes as applicable.</p> <p><b>N.B.</b> Payment will be made on the basis of area of slope/trench on which Geo mattress will be laid. Lapping area will not be considered in measurement for payment. Anchorage system of Geo-mattress at top &amp; bottom will be paid separately.</p>			