अपार शक्तेः स्त्रौतः गंगेयम्

OFFICE
CHIEF ENGINEER (LEVEL-II)
IRRIGATION DEPARTMENT, DEHRADUN, UTTARAKHAND.
Email-cedeh-irri@uk.gov.in/ce.ddn.id@gmail.com
Contact: 0135 2531238

Water sufficient Village

L.No:– 2781 / C.E. / I.D. / Quotation
Date: - June 04, 2026

-: Quotation Notice: -

As you are aware that Irrigation Department, Uttarakhand is mandated to provide water for irrigation and other purposes, Investigation, Planning and Construction of Flood Protection Works, Irrigation structure like Dams, Barrages, Canals and other related hydraulic structures, etc...

The Department wants to introduce latest technological applications for the construction of embankment/dam/groynes/river training works, etc. In continuation to it, it is proposed to add various items of works in SOR as per Annexure-I.

It is requested that kindly send your firm's current rate(s) of item of work for hilly & plain terrain of the State of Uttarakhand separately (as per Annexure-I) by 14-06-2026 up to 05:00 PM through email (ce.ddn.id@gmail.com) prospective firm/manufactures may send its rate(s) for a single item also.

For any query kindly contact Sh. Sharad Srivastava, Superintending Engineer, Project Circle, Dehradun. Mob. No. 8006264280.

Encl:- As above.

SHANKAR KUMAR SAHA
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Date: 2026.06.04 17:19:11 +05'30'

(Shankar Kumar Saha)
Chief Engineer (Level-II)

Copy:-

1. **E-in-C, Irrigation Department, Uttarakhand, Dehradun.**
2. **Superintending Engineer, Project Circle, Dehradun.**
3. **Superintending Engineer, Irrigation Work Circle, Dehradun.**
4. **Research Officer, Basic, IRI, Roorkee & E-in-C (IT Cell), Irrigation Department, Uttarakhand for uploading on website of IRI, Roorkee and Irrigation Department, Uttarakhand respectively.**

SHANKAR KUMAR SAHA
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(Shankar Kumar Saha)
Chief Engineer (Level-II)

Annexure-I

Sl.No.	Description of the item	Unit	Proposed Quoted Rate per unit
1	Supplying and placing of Articulating Cabled Block Concrete or Concrete Filled Mattress made from woven geotextile fabric form with reinforcing galvanized steel cables conforming to relevant BIS/IRC/ASTM standards including costs of all materials, Labour, T&P etc. complete with following specifications*. *Specifications- Articulating Cabled Block Concrete or Concrete Filled Mattress made from woven geotextile fabric form with reinforcing galvanized steel cables shall be on one direction as per the detailed design, thickness and technical specifications. The mattress shall be customized as per site geometry or profile at factory in the form of panels along with geotextile baffles and one panel shall be connected with the adjacent panel by using Industrial Zipper. Cables shall be of minimum 6mm diameter and the breaking strength of the cable (6mm diameter) shall not be less than 30kN. All Designs (Materials, a single unit or whole, etc.) shall be in accordance with relevant BIS/IRC/ASTM standards. The grade of filling concrete should not be less than $M_{20.}$ The performance of the same shall be of minimum 10 years.	m^2 (Square metre)	
2	Supplying and placing of Articulating Cabled Block Concrete or Concrete Filled Mattress made from woven geotextile fabric form with reinforcing galvanized steel cables conforming to relevant BIS/IRC/ASTM standards including costs of all materials, Labour, T&P etc. complete along with Annual Repair & Maintenance works for 5 years after completion of work with following specifications*. *Specifications- Articulating Cabled Block Concrete or Concrete Filled Mattress made from woven geotextile fabric form with reinforcing galvanized steel cables shall be on one direction as per the detailed design, thickness and technical specifications. The mattress shall be customized as per site geometry or profile at factory in the form of panels along with geotextile baffles and one panel shall be connected with the adjacent panel by using Industrial Zipper. Cables shall be of minimum 6mm diameter and the breaking strength of the cable (6mm diameter) shall not be less than 30kN. All Designs (Materials, a single unit or whole, etc.) shall be in accordance with relevant BIS/IRC/ASTM standards. The grade of filling concrete should not be less than $M_{20.}$ The performance of the same shall be of minimum 10 years.	m^2	

3	Supplying and laying High Strength Flexible Geogrids (HSFG) as soil reinforcement basal reinforcement as per relevant BIS/MORT&H/IRC/ASTM standards including costs of overlap and jointing, all materials, Labour, T&P etc. complete with following specifications*. *Specifications- The High Strength Flexible Geogrids (HSFG) as soil reinforcement basal reinforcement shall be in accordance with relevant BIS/MORT&H/IRC/ASTM standards and shall be made of high tenacity polyester core with polyethylene coating with minimum Long Term Design Strength (LTDS) of more than 50% of ultimate tensile strength at 30 degree Celsius or at standard temperature as per relevant standards corresponding to 12% or more strain etc.		
i.	Synthetic Geogrid Ultimate tensile strength 100kN/m	m^2	
ii.	Synthetic Geogrid Ultimate tensile strength 150kN/m	m^2	
iii.	Synthetic Geogrid Ultimate tensile strength 200kN/m	m^2	
iv.	Synthetic Geogrid Ultimate tensile strength 250kN/m	m^2	
v.	Synthetic Geogrid Ultimate tensile strength 300kN/m	m^2	
vi.	Synthetic Geogrid Ultimate tensile strength 350kN/m	m^2	
vii.	Synthetic Geogrid Ultimate tensile strength 400kN/m	m^2	
viii.	Synthetic Geogrid Ultimate tensile strength 450kN/m	m^2	
ix.	Synthetic Geogrid Ultimate tensile strength 600kN m	m^2	
x.	Synthetic Geogrid Ultimate tensile strength 700kN/m	m^2	
xi.	Synthetic Geogrid Ultimate tensile strength 800kN/m	m^2	
xii.	Synthetic Geogrid Ultimate tensile strength 900kN m	m^2	
xiii.	Synthetic Geogrid Ultimate tensile strength 1000kN/m	m^2	
xiv.	Synthetic Geogrid Ultimate tensile strength 1200kN/m	m^2	
4	Supplying and laying High Strength Flexible Geogrids (HSFG) as soil reinforcement basal reinforcement as per relevant BIS/MORT&H/IRC/ASTM standards including costs of overlap and jointing, all materials, Labour, T&P etc. complete along with Annual Repair & Maintenance works for 5 years after completion of work with following specifications*. *Specifications- The High Strength Flexible Geogrids (HSFG) as soil reinforcement basal reinforcement shall be in accordance with relevant BIS/MORT&H/IRC/ASTM standards and shall be made of high tenacity polyester core with polyethylene coating with minimum Long Term Design Strength (LTDS) of more than 50% of ultimate tensile strength at 30 degree Celsius or at standard temperature as per relevant standards corresponding to 12% or more strain etc.		
I	Synthetic Geogrid Ultimate tensile strength 100kN/m	m^2	
Ii	Synthetic Geogrid Ultimate tensile strength 150kN/m	m^2	
Iii	Synthetic Geogrid Ultimate tensile strength 200kN/m	m^2	
Iv	Synthetic Geogrid Ultimate tensile strength 250kN/m	m^2	
V	Synthetic Geogrid Ultimate tensile strength 300kN/m	m^2	

Vi	Synthetic Geogrid Ultimate tensile strength 350kN/m	m^2	
Vii	Synthetic Geogrid Ultimate tensile strength 400kN/m	m^2	
Viii	Synthetic Geogrid Ultimate tensile strength 450kN/m	m^2	
Ix	Synthetic Geogrid Ultimate tensile strength 600kN m	m^2	
X	Synthetic Geogrid Ultimate tensile strength 700kN/m	m^2	
Xi	Synthetic Geogrid Ultimate tensile strength 800kN/m	m^2	
Xii	Synthetic Geogrid Ultimate tensile strength 900kN m	m^2	
Xiii	Synthetic Geogrid Ultimate tensile strength 1000kN/m	m^2	
xiv	Synthetic Geogrid Ultimate tensile strength 1200kN/m	m^2	
5	**In-situ Soil Reinforcement for Slope Restoration (Soil Nailing)**		
	Designing, Providing drawings and installation of fully threaded (only Milled or Hot thread bars are allowed to avoid any loss of strength), Hot-dip galvanized solid geotechnical bars as soil nail having yield strength more than 670 Mpa, ulimate tensile strength more than 2800 Mpa and minimum galvanization of 500 g/m^2 required for construction of soil nailed stabilized slope including supply of galvanized nail plates, dome shape nuts, tapper washer, coupler (if required), centralizer and all accessories, including all lead and lifts as per detailed specification Conforming to relevant BS/AFNOR/ASTM standards including costs of overlap and jointing, all materials, Labour, T&P etc. complete.		
a.	20mm diameter	m	
b.	25mm diameter	m	
c.	28mm diameter	m	
d.	32mm diameter	m	
e.	35mm diameter	m	
6	Supply and Installation of perforated pipe drainage geo-composite for drainage purposes conforming relevant MORTH/BIS/ IRC standards including costs of overlap and jointing, all materials, Labour, T&P etc. complete at different sites of Uttarakhand with following specifications*: *Specifications- The perforated pipe drainage geo-composite made of Geotextile of strength 550 gm/sqm, 1 mini-drain pipe every one metre widthways. The pipe should consists of a filter layer, a drainage mat and mini pipes of 20mm diameter @ 1m centre to centre spacing. The mini pipe should have two perforations per corrugation at 180° and alternating at 90°, at a gradient of i=1 having in plane minimum flow capacity of 1L/s/m under minimum 400 kPa during 100h testing. The drainage geo-composite shall not have any long term creep and/ or shall not allow any intrusion of the geotextile filter, which shall impact the long term drainage capacity. Drainage shall be very strictly followed as per drawing and specifications in detail due to long term performance. All Designs shall be as per relevant BIS/IRC/MORTH/ASTM standards.	m	

7	Supply and Installation of perforated pipe drainage geo-composite for drainage purposes conforming relevant MORTH/BIS/ IRC standards including costs of overlap and jointing, all materials, Labour, T&P etc. complete along with Annual Repair & Maintenance works for 5 years after installation at different sites of Uttarakhand with following specifications*: *Specifications- The perforated pipe drainage geo-composite made of Geotextile of strength 550 gm/sqm, 1 mini-drain pipe every one metre widthways. The pipe should consists of a filter layer, a drainage mat and mini pipes of 20mm diameter @ 1m centre to centre spacing. The mini pipe should have two perforations per corrugation at 180° and alternating at 90°, at a gradient of i=1 having in plane minimum flow capacity of 1L/s/m under minimum 400 kPa during 100h testing. The drainage geo-composite shall not have any long term creep and/ or shall not allow any intrusion of the geotextile filter, which shall impact the long term drainage capacity. Drainage shall be very strictly followed as per drawing and specifications in detail due to long term performance. All Designs shall be as per relevant BIS/IRC/MORTH/ASTM standards.	m	