

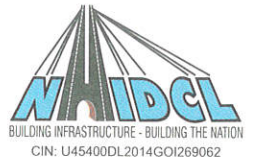
राष्ट्रीय राजमार्ग एवं अवसंरचना विकास निगम लिमिटेड

सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार
प्रथम तल, टावर ए, वर्ल्ड ट्रेड सेंटर, नौरोजी नगर, नई दिल्ली-110029,

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(भारत सरकार का उद्यम)

(A Government of India Enterprise)

NHIDCL/HQ/WB/Pkg-IVC/2025/248461/ 3066

Date: 14.08.2025

To,

All the Prospective Bidders,

Name of the work: "Specialized Slope Protection Work of Section from Km. 25.600 to Km. 26.100 (Bagrakot - Kafer) of NH - 717 A in the State of West Bengal on EPC mode (Pkg-IVC)[2nd Call]"- **Reply of Pre-Bid Query:Reg.**

Tender ID: 2025_NHIDC_865514_1

Reply of Pre-Bid Query

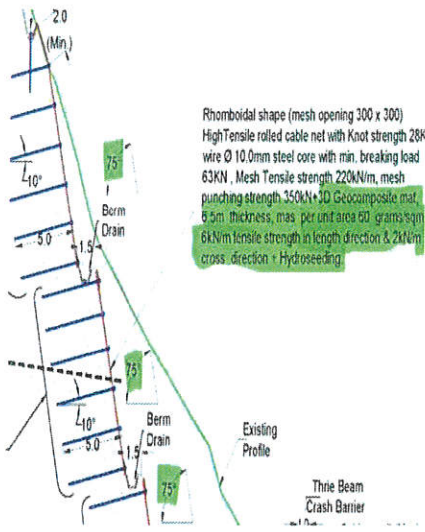
Sl. No	Reference to RFP/DCA	Query raised	Draft Reply of NHIDCL
1	Annexure B-II of Schedule B and Schedule D (See Cl 2.1). Annex I (Schedule D)	<p>As per tender specifications, various TCS C Schedule D, <i>junction strength requirement is mentioned 28kN.</i></p> <p>Kindly refer to the IRC HRB Special Report - 23, Clause 5.3.1.1, Cable panel with high strength knots, page G2: Junction Strength (relevant pages attached)</p> <p><i>"When tested in accordance with the testing procedure explained in Clause 4.4.4 of Chapter 4, the common values of junction tearing/rupture strength for this type of panels ranges 20 kN- 24 kN and pull apart strength ranges 10 kN-11.5 kN."</i></p> <p>As junction tearing strength mentioned in IRC HRB Special report is 20kN- 24kN, hence it is requested to amend junction strength to 20kN-24kN conforming to IRC HRB Special report 23 as it is the normal value for such product type implemented in numerous government tenders designed by reputed government agencies and consultants working in close collaboration with MoRTH at projects from Himachal Pradesh, Arunachal Pradesh, Uttarakhand, JCK etc with the same type of geology.</p>	<p>The codal provisions/guidelines specify the minimum criteria for the specifications to be followed and does not restrict the use of higher quality material. For the subject project, the minimum mesh specifications to be considered in design analysis is as follows:</p> <ol style="list-style-type: none"> Mesh Tensile Strength \geq 220KN/m Punch Resistance \geq 350KN Tearing Breaking force of Junction \geq 28KN Breaking Strength of Rope \geq 63KN Minimum tensile strength of rope = 1960 N/mm²

		<p>“It is requested to kindly amend junction strength to 20kN-24kN in all TCS, Schedule B, and Schedule D.”</p>																																																							
2	Schedule D (Item No. 1, Page 46)	<p>"As Schedule D (Item No. 1, Page 46) of the tender refers to IS/ISO 17746:2016, we kindly request that the minimum tensile strength of the rope be amended in accordance with IS/ISO 17746:2016, which specifies a value of 1770 N/mm2.</p> <p>Screenshot of relevant IS/ISO 17746 2016 page is as follows.</p> <p style="text-align: center;">Table 1 — Main properties of wire ropes panel</p> <table><tr><th rowspan="2">Items</th><th rowspan="2">Nominal net size^a mm</th><th colspan="2">Net wire ropes</th><th colspan="2">Peripheral wire ropes (optional)</th></tr><tr><th>Diameter (mm) and type^b</th><th>Minimum breaking load (kN)</th><th>Diameter (mm) and type^b</th><th>Minimum breaking load (kN)</th></tr><tr><td rowspan="4">Wire rope net panel Double knot</td><td>250 × 250</td><td>8 mm 6 × 7 + WC</td><td>40,7</td><td>10 mm 6 × 19 + WC</td><td>63,0</td></tr><tr><td>300 × 300</td><td>10 mm 6 × 19 + WC</td><td>63,0</td><td>12 mm 6 × 19 + WC</td><td>90,7</td></tr><tr><td rowspan="2">400 × 400</td><td rowspan="2">12 mm 6 × 19 + WC</td><td rowspan="2">90,7</td><td>14 mm 6 × 19 + WC</td><td>124,0</td></tr><tr><td>16 mm 6 × 19 + WC</td><td>161,0</td></tr><tr><td rowspan="4">Wire rope net panel Clips knot</td><td>250 × 250</td><td>8 mm 6 × 7 + WC</td><td>40,7</td><td>10 mm 6 × 19 + WC</td><td>63,0</td></tr><tr><td>300 × 300</td><td rowspan="3"></td><td rowspan="3"></td><td>12 mm 6 × 19 + WC</td><td>90,7</td></tr><tr><td>14 mm 6 × 19 + WC</td><td>124,0</td></tr><tr><td>16 mm 6 × 19 + WC</td><td>161,0</td></tr><tr><td rowspan="2">Wire rope net rolls without connection clips</td><td>250 × 250</td><td>8,6 mm (3 × 4) mm</td><td>61,4</td><td>12 mm 6 × 19 + WC</td><td>90,7</td></tr><tr><td>275 × 275</td><td>6,6 mm (3 × 3) mm</td><td>36,7</td><td>16 mm 6 × 19 + WC</td><td>161,3</td></tr></table> <p>^a The tolerance on the net nominal size is ±10 % but can change in relation to the panel dimensions.</p> <p>^b Rope type (see ISO 24093), rope grade 1770 N/mm2.</p> <p>Other net sizes are possible, in accordance with project design requirements.</p> <p>Hence in the view of above it is requested to kindly amend tensile strength of rope to 1770 N/mm2 as per IS/ISO 17746:2016.</p> <p><i>Note: The Existing cable rolled specifications may inadvertently provide preferential advantage to a specific company.</i></p>	Items	Nominal net size ^a mm	Net wire ropes		Peripheral wire ropes (optional)		Diameter (mm) and type ^b	Minimum breaking load (kN)	Diameter (mm) and type ^b	Minimum breaking load (kN)	Wire rope net panel Double knot	250 × 250	8 mm 6 × 7 + WC	40,7	10 mm 6 × 19 + WC	63,0	300 × 300	10 mm 6 × 19 + WC	63,0	12 mm 6 × 19 + WC	90,7	400 × 400	12 mm 6 × 19 + WC	90,7	14 mm 6 × 19 + WC	124,0	16 mm 6 × 19 + WC	161,0	Wire rope net panel Clips knot	250 × 250	8 mm 6 × 7 + WC	40,7	10 mm 6 × 19 + WC	63,0	300 × 300			12 mm 6 × 19 + WC	90,7	14 mm 6 × 19 + WC	124,0	16 mm 6 × 19 + WC	161,0	Wire rope net rolls without connection clips	250 × 250	8,6 mm (3 × 4) mm	61,4	12 mm 6 × 19 + WC	90,7	275 × 275	6,6 mm (3 × 3) mm	36,7	16 mm 6 × 19 + WC	161,3	
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3	Schedule - D (See Clause 2.1) (Annex -I)	<p>As per tender “The coating shall confirm for medium aggressive environmental level (C3) Zinc Class A as per Annex-A of IS / ISO 1774c”</p> <p>As per IS/ISO 17746: 2016, in medium aggressive environmental level (C3) Zinc Class A products having only 10 Years of life. Kindly clarify if the design life of the project is considered 10 years only (relevant page of IS/ISO 17746:2016 attached for your reference).</p> <p>As in most cases, product life is being considered for 25 Years in C3 conditions (Few tender</p>	<p>Sch-D is to be followed. However, the contractor is free to provide better quality coating with the approval of Competent Authority, without any additional financial implication to the Authority.</p>																																																						

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		references of NHIDCL and NHAI projects are attached for your kind reference).	
4	Schedule - D (See Clause 2.1) (Annex I)	<p>Specifications mentioned in various "TCS" and "Table 1:1 Properties of the Geosynthetic Mat" etc are not following MoRTH 700 guidelines, The tender document states Geocomposite mat with certain strength & thickness which do not seem as per standard guidelines (MoRTH) being referred in Schedule D. Kindly refer below details taken from MORTH guidelines.</p> <p>Please refer MoRTH, 700 GEOSYNTHETICS Guidelines, Clause no. 706, Table 700-13 s Table 700-14: Tensile Strength Requirement for Non-Reinforced/ Reinforced Three Dimensional Geosynthetic Mat for Erosion Control Application for (Less Severe Environmental Condition) / (Severe Environmental Conditions).</p> <ol style="list-style-type: none"> Mass per unit area of 3D Geocomposite mat should be 250 grams/Sqm, 6.5mm thick and tensile strength (For slopes less than 60°) 2kN/m in case of Less Severe Environmental Condition. Mass per unit area of 3D Geocomposite mat should be 500 grams/Sqm, 12mm thick and tensile strength (For slopes less than 60°) 10 kN/m in case of Severe Environmental Condition. Mass per unit area of 3D Geocomposite mat should be 500 grams/Sqm, 12mm thick and tensile strength (For slopes up to 80°) is 35 kN/m in case of Severe Environmental Condition. Cross direction tensile strength is not mentioned in the MoRTH Guidelines for 3D mat. <p>Table 700-13 is for slope less than 60° while in this case slope is approx. 65° and 75° (as per various TCS) and this region comes under severe environmental condition so Table 700-13 doesn't apply here, and we should adopt Table 700-14 for 3D erosion control mat and</p>	<p>The reinforcement for erosion control is to be provided using High tensile wire mesh combined with the 3D mat in accordance with Specifications and Standards. However, the contractor may provide better quality erosion control measures with the approval of Competent Authority, without any additional financial implication to the Authority.</p>

B

		<p>specifications should be as per point no. (ii) s (iii).</p>  <p>Rhomboidal shape (mesh opening 300 x 300) High Tensile rolled cable net with Knot strength 28kN wire Ø 10.0mm steel core with min. breaking load 63kN, Mesh Tensile strength 220kN/m, mesh punching strength 350kN, 3D Geocomposite mat, 8.5m thickness, mass per unit area 50 grams/sq.m, 6kN/m tensile strength in length direction & 2kN/m cross direction + Hydroseeding.</p> <p>From the drawings (TCS 6), it is evident that, the erosion control mats are provided on steeper slope (mentioned 75° angle). Considering the severity of the site and steeper slope, erosion control mat shall be reinforced with minimum tensile strength of 35kN/m and thickness of 12mm as per MORTH Section 700, Table 700-14. Hence it is requested to kindly amend Properties of the geosynthetic mat as per MoRTH, 700 GEOSYNTHETICS Guidelines, Clause no. 706, Table 700-13 s Table 700-14.</p>	
5	<p>Clause 2.1.11 (h) & 2.2.1 (a) of RFP</p>	<p>As per clause 2.1.11 (h) pg.16 of RFP It is mentioned "No Joint Venture up to Estimate Project Cost of Rs. 50 crores (Fifty Crores). However, Joint Venture for any Estimated Project Cost is permissible in case of maintenance works to be taken up on EPC mode."</p> <p>As per clause no. 2.2.1 (a) pg.19 it is mentioned "The Bidder may be a single entity or a group of entities (the "Joint Venture"), coming together to implement the Project. The term Bidder used herein would apply to both a single entity and a Joint Venture. However, in case the estimated cost of the project for which bid is invited is upto Rs. 100 Crore, then Joint Venture shall not be allowed."</p> <p>Both the above statements are contradictory, Hence you are requested to kindly clarify on Joint Venture applicability for this tender.</p>	<p>Clause 2.2.1 (a) of RFP may be read as</p> <p>"The Bidder may be a single entity or a group of entities (the "Joint Venture"), coming together to implement the Project. The term Bidder used herein would apply to both a single entity and a Joint Venture. However, in case the estimated cost of the project for which bid is invited is upto Rs. 50 Crore, then Joint Venture shall not be allowed."</p>

A

6	Clause 2.2.2.2 (ii) of RFP	<p>Kindly refer to RFP for the subject cited work clause 2.2.2.2 (ii) technical capacity for experience and Additional Technical Requirement of Similar Work</p> <p>We would like to seek clarification on the above clause that</p> <ol style="list-style-type: none"> 1. 04 out of the 05 required items in Project A 2. The remaining 01 item in Project B. <p>Both projects individually qualify under the similar work experience criteria (i.e., in terms of cost percentage). Kindly clarify whether the technical requirement of "5 items" can be considered cumulatively across these two qualifying projects, or whether all 5 items must necessarily be executed within a single project only.</p>	As per RFP
7	Clause No. 2.2.2.5. - (iii) of RFP	Clause No. 2.2.2.5. - (iii) Under Technical Capacity, please clarify whether mines (hilly terrain) will qualify.	As per RFP
8	-----	Tenders released by Railways mention that work experience certificate issued by "Public Listed company shall be considered provided the company is having an average turnover of ₹500 Crore or above in the last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange..." shall be acceptable as part of eligibility criteria. Please clarify if similar eligibility criteria is acceptable in this particular tender.	As per RFP
9	Schedule-H	As per Schedule H (Contract Price Weightage), please clarify if the percentage weights of items mentioned in the RFP changes and in case of inclusion of new items or deletion of mentioned items are needed after detailed design engineering, what would happen then.	As per RFP
10	-----	Use of Alternative Materials: Kindly clarify whether the bidder is permitted to propose and use other suitable materials, in accordance with actual site conditions and subject to approval of the design and drawings, apart from those specified in the tender documents.	As per RFP
11	-----	Extension of Bid Submission Deadline.	Refer Corrigendum 2.
12	Clause No. 14.1 of the RFP	Refer to the subject cited above, your attention is drawn to Article 14, Clause No. 14.1 of the RFP, wherein maintenance obligations of the Contractor are mentioned.	As per RFP

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		<p>Since the package is for the "Specialized Slope Protection Work", the provisions given in Clause No. 14.1 (a, b, c, d) and not become applicable for the maintenance of the intended scope of work.</p> <p>However, the contract has got a maintenance period for 10 years, for which payment at applicable rates are to be detailed suitably.</p> <p>Since the provision of Clause No. 14.1 (a, b, c, d) does not include for the "Specialized Slope Protection Work" exclusively, so necessary provision may be incorporated in the RFP documents, and a corrigendum may please be issued.</p>	
13	Clause 1.2.4 & 2.21 of RFP	Difference in Beneficiaries Name in Clause 1.2.4 & Clause 2.21 of RFP.	Refer Corrigendum-3

2. This is for information & necessary action.

Yours Faithfully,

Ankush

(Ankush Mehta)
General Manager (T)