

Corrigendum No: 10

NHIDCL/Civil work/Dimapur Bypass/Nagaland/2016

Date: 06.02.2017

To,
All the prospective bidders

Subject:- "Construction of 4/6 lane pavement from Km 132.375 to Km 153.058 (Total New Alignment design length= 20.683) of Daboka Dimapur section (Dimapur Bypass) of NH-36 & 39 in the state of Nagaland on Engineering, Procurement and Construction basis"-Corrigendum in Schedule B & D.

Sir,

Vide corrigendum dated 25.01.2017, modified RFP, DCA & Schedule A to P were uploaded corresponding to model documents issued by Ministry vide letter dated 16.01.2017 & 17.01.2017. Further corrigendum specific to Schedules B & D are tabulated below.

	As Existing	As modified
Clause 6.2 of Schedule B	<p>Slope Protection Measures</p> <p>6.2.1 Breast Wall (minimum provision= 903 Rm)</p> <p>Following measures shall be adopted:</p> <p>Slope protection along hill slope side shall be with breast wallswith PGC minimum M15 grade concrete. However, at the zones prone to sliding breast walls will be of sausage type (by stone-mesh gabions). Retaining wall has been considered at valley sides. The height of breast walls is of Avg Ht. 3.5 as per site requirement and to be finalized by consultation with Authority Engineers. The breast wall of height 3.5 m has been considered if the height of hill cut is more than 9m and in this circumstances 3m berm with catch water drain is required to be provided. The maximum cut slope at hill side is 55°(0.7H to IV).</p> <p>6.2.2 Embankment less than 3m in height shall be turfed as per MoRTH Specifications.</p> <p>6.2.3 Vetiver Plantation, Hydro Seeding and Hydro Mulching etc or similar works is to be done for slope protection and site mitigation measure upto a height of 12-15 mll along the slopes in each cutting locations except hard rock location which needs to be protected with appropriate applicable technologies, if required.</p>	Deleted



Clause 11 of Schedule B

HAZARDOUS LOCATIONS

Metal Beam crash barrier length of minimum 8545.28 Rm (single runner, heavy duty and W- shape) shall be provided at the locations of bridge approaches and high embankments (3.0m and more), at sharp curves on both sides. Heavy duty metal beam crash barriers shall be provided on this project by the Construction Contractor at the locations finalized in consultation with NHIDCL. Typical details of metal crash barrier are given in as per manual.

The safety barriers, protective works shall also be provided at the hazardous location/lengths. The minimum quantity of protection work is presented in the following table:

Type of Protection Work		
Protection Work	Unit	Quantity
Breast wall with PCC avg ht 3.5 m	Rm	903

Clause 13.0 of Para I of Schedule B

SPECIAL REQUIREMENT FOR HILL ROADS

[Refer to paragraphs 14.5 and 14.8 of the Manual and provide details where relevant and required

HAZARDOUS LOCATIONS

Metal Beam crash barrier length of minimum 8545.28 Rm (single runner, heavy duty and W- shape) shall be provided at the locations of bridge approaches and high embankments (3.0m and more), at sharp curves on both sides. Heavy duty metal beam crash barriers shall be provided on this project by the Construction Contractor at the locations finalized in consultation with NHIDCL. Typical details of metal crash barrier are given in as per manual.

SPECIAL REQUIREMENT FOR HILL ROADS

In accordance with section 13 of the manual (IRC: SP:84-2014), IRC:SP:48-1998 and recommended practices for treatment of Embankment and Roadside slopes for erosion control (First Revision) IRC:56-2011 and relevant IRC codes.

12.1 Slope Protection

As the project involves cutting of existing hill slopes, it's imperative that slopes are stabilized for ensuring longevity of the slope and the road. Slope stability, erosion control and landslide correction shall be accomplished in accordance with IRC:SP:48-1998. Reference may be drawn from IRC: 56-2011

The minimum quantity of protection works may be taken as below.


Sr.No	Protection Work	Unit	Quantity
1	Breast wall	Rm	903
2.	Vetiver Plantation, Hydro Seeding and Hydro Mulching etc including nets if required or similar works are to be done for slope protection and site mitigation measure upto a height of 12-15 m all along the road on barren slopes except hard rock location which needs		

3

		<p>to be protected with appropriate applicable technologies, if required.</p> <p>However, the Contractor would be responsible for accurate assessment of the actual requirement as per site situation & prepare designs for slope protection & stabilization as per the specifications & standards stipulated in schedule 'D' and submit the same to the AE for review through the proof consultant and implement it accordingly thereafter.</p> <p>Any increase in quantity over and above the tentative quantity as mentioned in the above table or through change in specifications will not be considered for payment as change of scope. Therefore contractor shall make thorough investigation of the site and assess the requirement of slope protection and slide prone zones and other safety features on his own before submission of bid.</p>
Clause 14 of Schedule B	<p>Change of Scope</p> <p>The length of Structures and bridges specified here in above shall be treated as an approximate assessment. The actual lengths as required on the basis of detailed investigations shall be determined by the Contractor in accordance with the Specifications and Standards. Any variations in the lengths specified in this Schedule B shall not constitute a Change of Scope, save and except any variations in the length arising out of a change of scope expressly undertaken in accordance with the provisions of Article 13 of DCA.</p>	<p>CHANGE OF SCOPE</p> <p>The length of Structures, bridges and slope protection works whatsoever in terms of retaining wall, breast wall, and gabion wall or under special requirement of hill slope specified hereinabove shall be treated as an approximate assessment The actual lengths as required on the basis of detailed investigations shall be determined by the Contractor in accordance with the Specifications and Standards. Any variations in the lengths and specifications specified in this Schedule-B shall not constitute a Change of Scope</p>
Annexure -I of Schedule D	<p>Specifications and Standards for Construction</p> <p>1 Specifications and Standards</p> <p>All materials, works and construction operations shall conform to the Four Lane Manual (IRC: SP 84-2014) of Specifications and Standards for Four Lining (IRC: SP: 84 - 2014), referred as the Four Lane Manual (IRC: SP: 84 - 2014), and MORTH Specifications for Road and Bridge Works. Where the specification for a work is not given, Good Industry Practice shall be adopted to the satisfaction of the Authority's Engineer.</p> <p>2 Deviations from the Specifications and Standards</p> <p>2.1 The terms 'Concessionaire', 'Independent Engineer' and 'Concession Agreement' used in the Four Lane Manual (IRC: SP 84- 2014) shall be deemed to be substituted by the terms 'Contractor', 'Authority's Engineer' and 'Agreement' respectively.</p> <p>2.2 NIL</p>	<p>Specifications and Standards for Construction</p> <p>1. Specification and Standards</p> <p>All materials, works and construction operations shall conform to the Four Lane Manual (IRC: SP (84 - 2014) of Specifications and Standards for Four Lining (IRC: SP: 84-2014), referred as the Four Lane Manual (IRC: SP: 84 - 2014), and MORTH Specifications for Road and Bridge Works, IRC: SP: 48-1998 and IRC 56-2011. Where the specification for a work is not given, Good Industry Practice shall be adopted to the satisfaction of the Authority's Engineer.</p> <p>2. Deviations from the Specifications and Standards</p> <p>The terms 'Concessionaire', 'Independent Engineer' and 'Concession Agreement' used in the Four Lane Manual (IRC: SP 84-2014) shall be deemed to be substituted by the terms 'Contractor', 'Authority's Engineer' and 'Agreement' respectively.</p>

2. All other corrigendum's issued in respect of Schedule A to P, RFP, DCA if any shall be treated superseded by the corrigendum dated 25.01.2017 and the instant corrigendum.
3. The above corrigendum shall be part of Schedule B and Schedule D unless specifically stated otherwise.
4. Further, the bidding schedule is modified as below.

As Existing		As modified	
Document Download / Sale End Date	09-Feb-2017 04:00 PM	Document Download / Sale End Date	14-Feb-2017 05:00 PM
Bid Submission End Date	09-Feb-2017 04:00 PM	Bid Submission End Date (online & hard copy)	15-Feb-2017 11:00 PM
Bid Opening Date	09-Feb-2017 05:00 PM	Bid Opening Date	16-Feb-2017 04:30 PM


 Y.C. Srivastava
 GM(T)