

Corrigendum No: 15

NHIDCL/Civil work/Hawai Bypass (51.825-63.131)/Ar.Pr./2016

Date: 06.02.2017

To,

All the prospective bidders

Subject:- "Two-laning of Hayuliang- Hawai bypass Road on EPC basis from design Km. 51.825 to Km. 63.131 Existing Km 45.050 of Hayuliang - Hawai road to Hawai Town in the state of Arunachal Pradesh under SARDP-NE - **Corrigendum in Schedules.**

Sir,

Vide corrigendum dated 25.01.2017, modified RFP, DCA & Schedule A to P (with enclosed corrigendum dated 13.10.2016) were uploaded corresponding to model documents issued by Ministry vide letter dated 16.01.2017 & 17.01.2017. Corrigendum issued vide dated 13.10.2016 stands cancelled and is not a part of Schedules. Further corrigendum specific to Schedules are tabulated below.

As Existing		As Modified		
Clause 11 of Schedule B		Hazardous Locations The safety barrier (i.e W-Beam Crash Barrier) of minimum 2841 m shall be provided in the entire length.		
Hazardous Locations The safety barriers, Protective works shall also be provided at the following hazardous locations /lengths:				
Sl. No.	Type of Protection works	Minimum Length (m)	Height (range in m)	Remarks
1	Parapet Wall on Valley side	3252		As per manual and codes
2	W-Beam Crash Barrier	2814		
3	Breast Wall	3525	2 - 6 m	
4	Retaining Wall	3797	2 - 4 m	
5	Gabion Wall	1085	2 - 4 m	



Clause 12 of
Para I of
Schedule B

SPECIAL REQUIREMENTS FOR HILL ROADS

All special features shall be provided as per Two Lane Manual (IRC : SP 73 -2007).

The side slope shall be protected by using suitable slope protection measures all along the highway on Hill side and Valley side. The details of the protection work are listed in "Annex B" and the typical sections for the protection works are given in "Annex A".

No any major land slide location is identified along the Project alignment, however Contractor shall identify other areas if found after excavation and provide the suitable protection measures to stabilize all the landslide zones. A report on the land slide zones shall be furnished along with the design for the review of the Authority Engineer. No change of scope shall be considered for the additional protection measures, if any.

SPECIAL REQUIREMENT FOR HILL ROADS

In accordance with section 13 of the manual (IRC: SP-73-2015), 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 is given in the table below.

Sl. No.	Type of Protection works	Minimum Length (m)
1	Parapet Wall on Valley side	3252
2	Breast Wall	3525
3	Retaining Wall	3797
4	Gabion Wall	1085
5.	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 to be protected with appropriate applicable technologies, if required.	

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>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.</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>
Annex-I Schedule D (addendum)		<p>Specifications and Standards for Construction</p> <p>1. Specification and Standards</p> <p>All materials, works and construction operations shall conform to the Two Lane Manual (IRC: SP 73 - 2015) of Specifications and Standards for Two Laning (IRC: SP: 73 - 2015), referred as the Two Lane Manual (IRC: SP: 73 - 2015), 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 Two Lane Manual (IRC: SP 73- 2015) shall be deemed to be substituted by the terms 'Contractor', 'Authority's Engineer' and 'Agreement' respectively.</p>

2. Wherever applicable, the design chainages are linked up with the Existing chainages as follows.

Sl. No.	Topo / Existing Chainage	Design Chainage (km)	Sl. No.	Topo / Existing Chainage	Design Chainage (km)
1	0	51.825	13	6000	58.055
2	500	52.335	14	6500	58.580
3	1000	52.845	15	7000	59.065
4	1500	53.365	16	7500	59.545
5	2000	53.855	17	8000	60.040
6	2500	54.355	18	8500	60.525
7	3000	54.855	19	9000	61.025
8	3500	55.410	20	9500	61.515
9	4000	55.905	21	10000	62.025
10	4500	56.425	22	10500	62.525
11	5000	56.895	23	11000	63.025
12	5500	57.385	24	11112	63.131

3. The Clause 13.0 (i.e Utilities) & Clause 15.0 (i.e Slope protection measures) of Schedule B stands deleted.
4. 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.
5. The above corrigendum shall be part of Schedule B and Schedule D unless specifically stated otherwise.
6. 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 03:30 PM


 Y.C. Srivastava
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