Date: 06.02.2017

NHIDCL/Ar.Pr./Civil Works/Roing Hunli

To,

All the prospective bidders

Engineering Procurement and Construction (EPC) basis"-Corrigendum in Schedule B & D. Subject:-" Construction of 2 Lane road with paved shoulders from Km 16.00 of Roing Hunli section to Km 21.500 of Hunli-Anini Road (Greenfield alignment) (NH-313)(Total length= 74.863 Km) in Arunachal Pradesh under Arunachal Pradesh package of SARDP-NE on

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

As the project involves cutting of existing hill slopes, it's imperative that slopes are stabilized for ensuring longevity of the	neight	
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.	SPECIAL REQUIREMENT FOR HILL ROADS 14.1 All special features shall be provided as per Manual. 14.2 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 minimum protection work as tabulated below	Clause 14 of Schedule B
	Slope protection along hill slope side shall be with breast wallswith PCC 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 wallsis varying from 1.5 m to 3m as per site requirement and to be finalized by consultation with Authority Engineers. The breast wall of height 3m has been considered if the height of hill cut is more than 9m and in this circumstances 3m berni with catch water drain is required to beprovided. The maximum ait slope at hill side is 550 (0.7H to IV). Embankment less than 3m in height shall be turfed as per MoRTH Specifications. 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 m all along the slopes in each cutting locations except hard rock location which needs to be protected with appropriate applicable technologies, if required.	schedule b (i.e slope protection measures)
Deleted	Breast Wall and Retaining Wall	Clause 7.2 of
As modified	As existing	

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	wall	Breast	Wall	Retaining 8791 1437 1052 336 0	Toe Wall		Wall	Gabion	Masonry	Management	RR			Work	Sr.ProtectionUpto5m 6 m 7 m 8 m
				8791										4m	Upto
		0		1437	0			532							5m
		0		1052	0			1198							6 m
		0		336	0			1074			243				7 m
		0			0			11981074159040			187				- 1
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Annexure II. 14.3 The chainage wise details of Protection works are given in

adequate safety /Protection measures with proper design shall be change of scope shall be considered for t be dealt properly and with the design for the review of the Authority Engineer. No protection measures to stabilize the entire landslide area along 14.4 Contractor shall identify areas and provide the suitable

slide needs to be arrested by special slope protection measures and plantation shall be carried out to arrest barren slope 14.5 Slide Mitigation: All hill slope having tendency for future

998. Reference may be drawn from IRC: 56-2011 orrection shall be accomplished in accordance with IRC:SP:48lope and the road. Slope stability, erosion control and landslide

Sr.	Sr. Protection [Unit On Protection works may be taken as below.	Init	Unit Onantity
Z	Work		
0			
-	RR Masonry	Rm	1278
2	Gabion Wall	Rm	18708
ω	Toe Wall	Rm	442
4	Retaining Wall	Rm	11616
2	Breast wall	Rm	17599
6.	Vetiver Plantation. Hydro Seeding and Hydro Mulching etc including nets if		
	for slope protection and site mitigation measure upto a height of 12-15 m all		
	along the road on barren slopes except		
	protected with appropriate applicable		
	technologies, if required.		

assessment of the actual requirement as per site situation & prepare However, the Contractor would be responsible for accurate designs for slope protection & stabilization as per the specifications accordingly thereafter. AE for review through the proof consultant and implement it & standards stipulated in schedule 'D' and submit the same to the

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 of bid. scope. Therefore contractor shall make thorough investigation of prone zones and other safety features on his own before submission the site and assess the requirement of slope protection and slide



					Schedule B	Clause 15 of
accordance with the provisions of Article 13 of DCA.	constitute a Change of Scope, save and except any variations in the length arising out of a change of scope expressly undertaken in	variations in the lengths specified in this Schedule B shall not	the basis of detailed investigations shall be determined by the	treated as an approximate assessment. The actual lengths as required on	The length of Structures and bridges specified here in above shall be	Change of Scope

CHANGE OF SCOPE

specified in this Schedule-B shall not constitute a Change of Scope Standards. Any variations in the lengths and specifications shall be treated as an approximate assessment The actual lengths as or under special requirement of hill slope specified hereinabove whatsoever in terms of retaining wall, breast wall, and gabion wall by the Contractor in accordance with the Specifications and required on the basis of detailed investigations shall be determined The length of Structures, bridges and slope protection works

Annex-I Schedule Specifications and Standards for Construction All materials, works and construction operations shall confirm to the Practice shall be adopted to the satisfaction of the Authority's Engineer Works. Where the specification for a work is not given. Good Industry for Two Laning (IRC: SP: 73 - 2015), referred as the Two Lane Manua Two Lane Manual (IRC: SP 73 - 2015) of Specifications and Standards (IRC: SP: 73 - 2015), and MORTH Specifications for Road and Bridge Deviations from the Specifications and Standards Specifications and Standards

1. Specification and Standards Specifications and Standards for Construction

IRC 56-2011. Where the specification for a work is not given, Specifications for Road and Bridge Works, IRC: SP:48-1998 and Standards for Two Laning (IRC: SP: 73 - 2015), referred as the Good Industry Practice shall be adopted to the satisfaction of the Two Lane Manual (IRC: SP: 73 - 2015), and MORTH the Two Lane Manual (IRC: SP (73 - 2015) of Specifications and All materials, works and construction operations shall conform to

Authority's Engineer. 2. Deviations from the Specifications and Standards

2.1 The terms 'Concessionaire', 'Independent Engineer' and 'Concession

Engineer' and 'Agreement' respectively. be deemed to be substituted by the terms 'Contractor', 'Authority's The terms 'Concessionaire', 'Independent Engineer' and 'Concession Agreement' used in the Two Lane Manual (IRC: SP 73-2015) shall

2.2 NIL

Engineer' and 'Agreement* respectively.

be deemed to be substituted by the terms 'Contractor', 'Authority's Agreement' used in the Two Lane Manual (IRC: SP 73-2015) shall

- deleted. The Clause 16 (i.e Landscaping), Clause 17 (i.e Environment) & Clause 18 (i.e Fixed parameter for design) of Schedule B is
- dated 25.01.2017 and the instant corrigendum. All other corrigendum's issued in respect of Schedule A to P, RFP, DCA if any shall be treated superseded by the corrigendum
- The above corrigendum shall be part of Schedule B and Schedule D unless specifically stated otherwise
- Further, the bidding schedule is modified as below.

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