Date: 06.02.2017

Bid/ Package no. NHIDCL/Civil work/Hayuliang-Hawai (17-34)/Ar.Pr./2016

All the prospective bidders

Schedules. 16.950 to Km 34.310 (Hayuliang - Hawai Road)] in the state of Arunachal Pradesh under SARDP-NE, Project Highway- Corrigendum in Subject: "Two-Laning of Existing Hayuliang - Hawai Road on EPC basis from design Km. 17.000 (Khupa) to Km. 34.000 [Existing Km

SIT,

to Schedules are tabulated below. 05.01.2017 were uploaded corresponding to model documents issued by Ministry vide letter dated 16.01.2017 & 17.01.2017. Corrigendum issued vides dated 13.10.2016 and 05.01.2017 for Schedules stands cancelled and are not part of Schedules. Further corrigendum specific Vide corrigendum dated 25.01.2017, modified RFP, DCA & Schedule A to P with two enclosed corrigendum's dated 13.10.2016 &

	As Existing		As Modified
Clause 11 of Schedule B	HAZARDOUS LOCATIONS The safety barriers, Protective works shall also be provided at the following hazardous locations / lengths:	ks shall also be provided at	
	SI. Type of Protection Minimum	n Height Remarks	simil or provided in the citile length.
	No. works Length (m)		
	Parapet Wall on 7505 Valley side	As per IRC SP:48- 1998	
	2 W-Beam Crash 4224 Barrier		
	3 Breast Wall 4504	2 - 6 m	
	4 Retaining Wall 5254	2 - 4 m	
	5 Gabion Wall 1051	2 - 4 m	
Clause 12 of Para I of Schedule B	All special features shall be provided as per Two Lane Manual (IRC: SP 73-2007). The side slone shall be protected by using mitchle slone.	OR HILL ROADS ed as per Two Lane Manual	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 the section of the manual (IRC: SP:73-2015).
	Valley side. The details of the protection work are listed in	highway on Hill side and rotection work are listed in	Embankment and Roadside slopes for erosion control (First Revision IRC:56-2011 and relevant IRC codes.



given in "	"Annex
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"Annex A".	and
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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 as per table below.

SI.	Type of Protection	Minimum
No.	works	Length (m)
_	Parapet Wall on Valley side	7505
2	Breast Wall	4504
CO	Retaining Wall	5254
4	Gabion Wall	1051
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.

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.



Annex-I Schedule D(addendum)	Clause 14 of Schedule B
	Change of Scope 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.
Specification and Standards 1. Specification and Standards 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. 2. Deviations from the Specifications and Standards 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.	CHANGE OF SCOPE 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



	tre Line,	Road Marking: - Lane, Centre Line, Pedestrian crossing	larking: -	1 Road Marl Pedestrian crossing	-		ntre Line,	Road Marking: - Lane, Centre Line, Pedestrian crossing	larking: - ian	1 Road Marl Pedestrian crossing	
tabulated below - Traffic Signages, Road Marking and other appurtenances	and other	ad Marking	ow - ages, Roa	Traffic Signages,		Traffic Signages, Road Marking and other appurtenances	g and othe	ad Markir	ages, Ro	Traffic Signages, Road	Schedule B
The Tentative quantity of Traffic signages and pavement marking are as	signages	ty of Traffic	e quantit	The Tentativ		The Tentative quantity of Traffic signages and pavement marking	fic signages	y of Trafi	e quanti	The Tentati	Para 8.2 of
r Junction and Grade Separator	and Grad	r Junction	n/Mino	Intersection/Mino			parator	irade Sep	n and G	Intersection and Grade Separator	Para 3 of Annexure-I of Schedule B
In addition, the AIP for the project has been received. The Final approval is yet to be received. Temporary working provision will be ensured before appointed date. All conditions imposed by MoEF while issuing the Approval in Principle(AIP) and final forest clearance(FC) to be adhered during construction stage and after construction stage are to be complied with. The muck dumping sites in forest area stand identified and freezed by Forest department to be abided by agency during dumping of muck as stated in Schedule 'F'	project hand. Tempored date. roval in Provaling complied complied on forest to be and to be a factorial to be a factori	S - J B D - D B - D	yet to yet to d before issuing c:C) to be n stage dumpii Forest f muck a	In addition, the AIP for the project has be approval is yet to be received. Temporar be ensured before appointed date. All MoEF while issuing the Approval in Princi clearance(FC) to be adhered during const construction stage are to be complied with The muck dumping sites in forest are freezed by Forest department to be abdumping of muck as stated in Schedule 'F'				,	1		
Environmental Clearances The project Highway does not required Environment Clearance as per MoEF corrigendum dated 22.08.2013.	ot require	arances ay does no dum datec	ntal Cle Highwa orrigen	Environmental Clearances The project Highway does not required Er per MoEF corrigendum dated 22.08.2013.		Environmental Clearances The project Highway does not required Environment Clearance as per MoEF corrigendum dated 22.08.2013	ot require	arances ay does r loEF corr	ntal Cle t Highwa as per N	Environmental Clearances The project Highway does Clearance as per MoEF cor	Annexure IV Schedule A
Total length of KC drain in open areas=15031	of KC drain	al length o	Tot		eas=21806	Total length of KC drain in open areas=21806	of KC drair	l length o	Tota		Schedule B, Para 6: Road side Drainage
DCA					. 1						
Date as per clause 8.2 of				(width)	Date	B, clause 2.4)				(width)	
appointed				way	appointed					way	
the				Right of	the	in nw				Right of	
- Within 90	1	1	ı	(ii) Balance	Within 90 days after	18-24.0 (as	2.000	34.00	32.00	(II) Balance	
B, clause 2.4)				(full width)		B, clause 2.4)			3	width)	
Schedule date				way	date	50000 0				way	
	17.00	34.000	17.00	(i) Full	At	18-24 (as	T2.000	32.00	T/.00	Right of	
		To	From					To	From	1 =	
Providing ROW	רבומנו	age	Chainage		Providing ROW	(m)	0	I mo	Chainage		Schedule A
-	l enøth	1	Design	SI. No	Date of	Width	Length	_	Design	SI. No	Annexure -II



20	19	18	17	16	15	14	13	12		1	10	9	∞	7	6		0	14	ယ	2					
Enamel Paint S	RCC Guard Post	Bollards	Delineator	Hectometer Stone	Ordinary Km Stone	5th Km Stone -New	Boundary Stone (taken 10% of Qty)	Over Head Sign Truss	with the help of G.I. nut bolts	Supply and fixing of Micro Prismatic typeSqm Retro- Reflective sign plate which is to be fixed on Overhead/ Cantilever structures	60 Cm circular	800 x 600 mm Size	Hazard plate 300X900 mm	90 cm Octagon	90 cm Triangle	<u>.</u>	0	Village name boards size 600X900 mm	Advance Direction signs size 1800X1200 mm	Directional Arrows, letter marking etc.	Total	Add 15% for Misc. including Pedestrian SX-ings etc	Edge Line at Paved Shoulder	Centre line on curve portion	Centre line on straight portion
Sqm	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	MT			Nos.	Nos.	Sqm	Nos.	Nos.			Sqm	Nos.	Nos.	Sqm	Sqm	Sqm	Sqm	Sqm
40	80	80	80	68	15	2	9	5.5		51.36	20	20	252.45	15	15		3.84	9.72	30	55	4978	649	3400	255	673
	20	19																							
		~	18	17	16	15	14	13	12		=	10	9	∞	7	6	01	4	ω [2					
	Enamel Paint	RCC Guard Post	Bollards	Delineator	Hectometer Stone	Ordinary Km Stone	5th Km Stone -New	Boundary Stone (taken 10% of Qty)	Over Head Sign Truss	fixed on Overhead/ Cantilever structures with the help of G.I. nut bolts	Supply and fixing of Micro Prismatic type Retro- Reflective sion plate which is to be	60 Cm circular	800 x 600 mm Size	Hazard plate 300X900 mm	90 cm Octagon	90 cm Triangle	Place Identification signs size 1200X900 mm	Village name boards size 600X900 mm	Advance Direction signs size I	Directional Arrows, letter marking etc.	Total	Add 15% for Misc. including Pedestrian Xings etc	Edge Line at Paved Shoulder	Centre line on curve portion	Centre line on straight portion
	Enamel Paint Sqm		Bollards Nos.					Boundary Stone (taken 10% of Qty) Nos.		ilever							Place Identification signs size				Total Sqm	% for Misc. including	Edge Line at Paved Shoulder Sqm	Centre line on curve portion Sqm	Centre line on straight portion Sqm



- The Clause 13.0 (i.e Utilities) of Schedule B stands deleted.
- 3. Wherever applicable, the IRC: SP:73-2007 may be read as IRC:SP:73-2015.
- 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 Schedules unless specifically stated otherwise.
- Further, the bidding schedule is modified as below.

	As modified	dified
09-Feb-2017 04:00 PM	t Download / Sa	14-Feb-2017 05:00 PM
	End Date	TOTAL TOTAL CONTROL CO
09-Feb-2017 04:00 PM	Bid Submission End Date	15-Feb-2017 11:00 PM
	(online & hard copy)	
	Bid Opening Date	16-Feb-2017 02:30 PM
		Document Download / Sa End Date Bid Submission End Date (online & hard copy) Bid Opening Date

Y.C Srivastava GM (T)

