

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 regarding Schedules**

Sir,

Wherever applicable, the **IRC: SP: 73:2007** may be read as **IRC: SP: 73:2015**

2. Further, the following modifications have been made:

	As Existing	As Modified																																																
Para 3 of Annexure-I of Schedule B	INTERSECTION AND GRADE SEPERATOR	INTERSECTION/MINOR JUNCTION AND GRADE SEPERATOR																																																
Para 8.2 of Schedule B	The Tentative quantity of Traffic Signages and Pavement markings are as tabulated below. <table border="1"> <thead> <tr> <th colspan="3">Traffic Signages, Road Marking and other appurtenances</th></tr> </thead> <tbody> <tr> <td>1</td><td>Road Marking: - Lane, Centre Line, Pedestrian crossing</td><td></td></tr> <tr> <td></td><td>Centre line on straight portion</td><td>Sqm 448</td></tr> <tr> <td></td><td>Centre line on curve portion</td><td>Sqm 170</td></tr> <tr> <td></td><td>Edge Line at Paved Shoulder</td><td>Sqm 2261</td></tr> <tr> <td></td><td>Add 15% for Misc. including Pedestrian X-ings etc</td><td>Sqm 432</td></tr> <tr> <td></td><td>Total</td><td>Sqm 3311</td></tr> <tr> <td>2</td><td>Directional Arrows, letter marking etc.</td><td>Nos. 60</td></tr> </tbody> </table>	Traffic Signages, Road Marking and other appurtenances			1	Road Marking: - Lane, Centre Line, Pedestrian crossing			Centre line on straight portion	Sqm 448		Centre line on curve portion	Sqm 170		Edge Line at Paved Shoulder	Sqm 2261		Add 15% for Misc. including Pedestrian X-ings etc	Sqm 432		Total	Sqm 3311	2	Directional Arrows, letter marking etc.	Nos. 60	The Tentative quantity of Traffic Signages and Pavement markings are as tabulated below. <table border="1"> <thead> <tr> <th colspan="3">Traffic Signages, Road Marking and other appurtenances</th></tr> </thead> <tbody> <tr> <td>1</td><td>Road Marking: - Lane, Centre Line, Pedestrian crossing</td><td></td></tr> <tr> <td></td><td>Centre line on straight portion</td><td>Sqm 448</td></tr> <tr> <td></td><td>Centre line on curve portion</td><td>Sqm 170</td></tr> <tr> <td></td><td>Edge Line at Paved Shoulder</td><td>Sqm 2261</td></tr> <tr> <td></td><td>Add 15% for Misc. including Pedestrian X-ings etc</td><td>Sqm 432</td></tr> <tr> <td></td><td>Total</td><td>Sqm 3311</td></tr> <tr> <td>2</td><td>Directional Arrows, letter marking etc.</td><td>Nos. 60</td></tr> </tbody> </table>	Traffic Signages, Road Marking and other appurtenances			1	Road Marking: - Lane, Centre Line, Pedestrian crossing			Centre line on straight portion	Sqm 448		Centre line on curve portion	Sqm 170		Edge Line at Paved Shoulder	Sqm 2261		Add 15% for Misc. including Pedestrian X-ings etc	Sqm 432		Total	Sqm 3311	2	Directional Arrows, letter marking etc.	Nos. 60
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3	Advance Direction signs size 1800X1200 mm	Nos.	25	3	Advance Direction signs size 1800X1200 mm	Nos.	25
4	Village name boards size 600X900 mm	Sqm	8.1	4	Village name boards size 600X900 mm	Sqm	8.1
5	Place Identification signs size 1200X900 mm	Sqm	2.88	5	Place Identification signs size 1200X900 mm	Sqm	2.88
6	90 cm Triangle	Nos.	30	6	90 cm Triangle	Nos.	30
7	90 cm Octagon	Nos.	30	7	90 cm Octagon	Nos.	30
8	Hazard plate 300X900 mm	Sqm	103.95	8	Hazard plate 300X900 mm	Sqm	103.95
9	800 x 600 mm Size	Nos.	35	9	800 x 600 mm Size	Nos.	35
10	60 Cm circular	Nos.	35	10	60 Cm circular	Nos.	35
11	Supply and fixing of Micro Prismatic type Retro-Reflective sign plate which is to be fixed on Overhead/ Cantilever structures with the help of G.I. nut bolts	Sqm	51.36	11	Supply and fixing of Micro Prismatic type Retro-Reflective sign plate which is to be fixed on Overhead/ Cantilever structures with the help of G.I. nut bolts	Sqm	51.36
12	Over Head Sign Truss	MT	5.5	12	Over Head Sign Truss	MT	5.5
13	Boundary Stone (taken 10% of Qty)	Nos.	6	13	Road side Boundary Stone (taken 10% of Qty)	Nos.	As per the IRC SP: 73:2015
14	5th Km Stone -New	Nos.	1	14	5th Km Stone -New	Nos.	
15	Ordinary Km Stone	Nos.	10	15	Ordinary Km Stone	Nos.	
16	Hectometer Stone	Nos.	46	16	Hectometer Stone	Nos.	
17	Delineator	Nos.	250	17	Delineator	Nos.	250
18	Bollards	Nos.	100	18	Bollards	Nos.	As per the IRC SP: 73:2015
19	RCC Guard Post	Nos.	100	19	RCC Guard Post	Nos.	
20	Enamel Paint	Sqm	60	20	Enamel Paint	Sqm	

New clause may be added after Para 14 of Annexure-I of Schedule B

15.1 Slope Protection Measures

15.1.1 Breast Wall and Retaining Wall

Following measures shall be adopted:

Slope protection along hill slope side shall be with breast walls with 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 walls is 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 berm with catch water drain is required to be provided. The maximum cut slope at hill side is 55° (0.7H to 1V).

15.1.2 Embankment less than 3m in height shall be turfed as per MoRTH Specifications.

15.1.3 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 m all along the slopes in each cutting locations except hard rock location which needs to be protected with appropriate applicable technologies, if required.


Y.C Srivastava
GM(T)