

SCHEDULE – D*(See Clause 2.1)***SPECIFICATIONS AND STANDARDS****1. Construction**

The Contractor shall comply with the Specifications and Standards set forth in Annex – I of this Schedule – D for construction of the Project Highway.

2. Design Standards

The Project Highway including Project Facilities shall conform to design requirements set out in the following documents:

Two Lane Manual (IRC: SP 73 – 2015) of Specifications and Standards for Two Laning published by IRC and Hill Road Manual IRC SP 48:1998

Construction of two-Lane with hard shoulders of Akajan-Likabali-Bame Road on EPC basis from existing Km 71.00 to Km 99.00 [Design Km. 65.810 to Km. 91.928] (Design Length - 26.118 Km) in the state of Arunachal Pradesh under SARDP-NE”

Annex – I

(Schedule – D)

Specifications and Standards for Construction

1 Specifications and Standards

All materials, works and construction operations shall confirm 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

- 2.1 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.

Not withstanding any thing to the contrary contained in the Paragraph 1 above, the following Specifications and Standards shall apply to the Project Highway, and for purposes of this Agreement, aforesaid Specifications and Standards of following clauses shall be deemed to be amended to the extent set forth below:

| S. No. | Item | Provision as per Manual (IRC:SP:73-2015) | Modified Provision |
|--------|--------------|--|---|
| 1 | Clause 2.2 | Design Speed: Ruling or minimum Design speed shall be followed | Design speed shall be as mentioned in the Plan & Profile drawings given in Annexure-III of Schedule A. |
| 2 | Clause 2.9.4 | Radius of Horizontal Curves | Radius of Horizontal curves shall be as per the alignment plan shown in Plan & Profile drawings given in Annexure-III of Schedule A. |

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| AKAJAN-LIKABALI-BAME ROAD DPR KM 71-99 | | | | | |
|--|------------|--------|-------|----------------------|---------------------|
| S.N | IP Chainge | Radius | Speed | Gradiant | Approx.Curve length |
| 1 | 65947.236 | 25 | 20 | 7.00 | 62.983 |
| 2 | 67340.276 | 20 | 20 | 7.00 | 30.85 |
| 3 | 67577.197 | 20 | 20 | 7.00 | 46 |
| 4 | 67633.252 | 20 | 20 | 7.00 | 32.67 |
| 5 | 69552.714 | 20 | 20 | 7.00 | 31.22 |
| 6 | 69620.88 | 20 | 20 | 7.00 | 32.04 |
| 7 | 70098.48 | 20 | 20 | 7.00 | 25.4 |
| 8 | 70162.839 | 20 | 20 | 7.00 | 41.285 |
| 9 | 70204.568 | 20 | 20 | 7.00 | 23.479 |
| 10 | 75272.802 | 20 | 20 | 7.00 | 51.343 |
| 11 | 75359.632 | 20 | 20 | 7.00 | 52.85 |
| 12 | 80574.944 | 20 | 20 | 7.00 | 28.71 |
| 13 | 80620.24 | 20 | 20 | 7.00 | 29.32 |
| 14 | 82188.542 | 20 | 20 | 7.00 | 37.08 |
| 15 | 82837.412 | 20 | 20 | 7.00 | 31.08 |
| 16 | 85132.253 | 20 | 20 | 7.00 | 41.24 |
| 17 | 85248.377 | 20 | 20 | 7.00 | 53.39 |
| 18 | 85706.843 | 20 | 20 | 7.00 | 35.255 |
| 19 | 85828.009 | 20 | 20 | 7.00 | 35.699 |
| 20 | 85885.27 | 20 | 20 | 7.00 | 27.981 |
| 21 | 87094.129 | 20 | 20 | 7.00 | 30.914 |
| 22 | 87434.567 | 20 | 20 | 7.00 | 32.564 |
| 23 | 88700.148 | 20 | 20 | 7.00 | 44.35 |
| 24 | 90790.832 | 20 | 20 | 7.00 | 51.77 |
| 25 | 91061.113 | 20 | 20 | 7.00 | 59.76 |
| Length | | | | Total Approx. | 969.233 |

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