युद्धवीर सिंह मलिक, आई.ए.एस.
सचिव
Y. S. Malik, I.A.S.
Secretary

सत्यमेव जयते

सड़क परिवहन और राजमार्ग मंत्रालय
Ministry of Road Transport & Highways
भारत सरकार / Government of India

Important

No. 341/PS/Secretary/RTH/2018
01 March, 2018

Subject: Computation of linear length and lane-kilometers - reg.

As per the practice followed till date, the Ministry has been taking into account the linear length while calculating the completed length of road projects for any financial year. For example, one kilometer length (linear), whether it be with the configuration of 2-lane with paved shoulders or 4-lane with paved shoulders (with or without service roads) /6-lane/8-lane (with our without service roads) is counted as one kilometer. This does not reflect the correct position of construction and completion of the road length as per internationally accepted norms. While in US the width of one Highway lane is taken as 3.7 mtrs, it is 3.25 mtrs in Europe. We have been taking 3.5 mtrs as the accepted normative width of a national Highway lane. As such, it has been decided to compile these figures (from current FY onwards) both in term of linear length of a completed road project as well as well as in terms of lane kilometers, as also suggested by the NITI Aayog.

2. Accordingly, all officers concerned with the construction of National Highways and other roads under the Central Sector Schemes i.e. (i) MoRTH by itself and through the State PWDs, (ii) NHAI, (iii) NHIDCL, and (iv) BRO should compile and report the information in terms of linear length as well as lane kms. The details of lane kms. should not be simply derived by using the multiplication factor of two, four or six in respect of 2-lane+PS/ 4-lane/ 6-lane road projects. These should reported as per actual details on the ground and reflect correct position whereby all the service roads/ slip roads are also counted in terms of the lane kms. A reporting format is enclosed in this behalf.

3. This may be accorded top priority and the information furnished to the Ministry for the financial year 2017-18 by 5.00 pm on 31st March, 2018 positively.

(Y.S. Malik)

Room No. 509, Transport Bhawan, 1 Parliament Street, New Delhi-110 001, India Tel. : 91-11-23714104, Fax : 91-11-23356669
E-mail : secv-road@nic.in Web : http://www.morth.nic.in

Lane KM calculation						
Service Road	Main Carriage-way Details					Service Road
LHS Service Road	LHS Paved Shoulder	LHS MCW	Chainage	RHS MCW	RHS Paved Shoulder	RHS Service Road
			1.00			
			2.00			
			3.00			
			4.00			
			5.00			
			6.00			
			7.00			
			8.00			
			9.00			
			10.00			

* Paved shoulder shall be treated as half lane

Example: 10 km project of 4 lane Paved shoulder with service road

Lane KM calculation						
Service Road	Main Carriage-way Details					Service Road
LHS Service Road	LHS Paved Shoulder	LHS MCW	Chainage	RHS MCW	RHS Paved Shoulder	RHS Service Road
2	0.5	2	1.00	2	0.5	2
2	0.5	2	2.00	2	0.5	2
2	0.5	2	3.00	2	0.5	2
2	0.5	2	4.00	2	0.5	2
2	0.5	2	5.00	2	0.5	2
2	0.5	2	6.00	2	0.5	2
2	0.5	2	7.00	2	0.5	2
2	0.5	2	8.00	2	0.5	2
2	0.5	2	9.00	2	0.5	2
2	0.5	2	10.00	2	0.5	2
Total	**20**	**5**	**20**		**20**	**5**	**20**

Total Km **10** **Total Lane Km** **90**