

Emission Standards for New Motorcycles

Country	Standards			Remarks
	CO	HC	HC+NOx	
Bangladesh	3.5 g/km		2 g/km	Under discussion test = ECE R40
Cambodia	4.5%	10,000ppm		Idle test
Hong Kong, China	13 g/km	3 g/km	0.3 g/km (NOx)	4-stroke
	8 g/km	4 g/km	0.1 g/km (NOx)	2-stroke
India 2000	2 g/km		2 g/km	As per IDC
India 2005 proposed	1.5 g/km		1.5 g/km	As per IDC; Deterioration factor = 1.2
India 2005 3-wheel gas	2.25 g/km		2.0 g/km	
India 2005 3-wheel diesel	1.00 g/km		0.85 g/km	
Indonesia 2001	12 g/km		10 g/km	ECE R40
Indonesia 2004	8 g/km		5 g/km	ECE R40
Indonesia 2007 proposed	5 g/km		3 g/km	ECE R40
Japan 2-stroke				
4-stroke				
Malaysia 2 – stroke (2003 prop) 4 – stroke	8 g/km	4 g/km	0.1 g/km NOx	
	13 g/km	3 g/km	0.3 g/km NOx	
Nepal				
Pakistan				
Philippines 1999	6%			Idle test
Philippines 2003	4.5%			Idle test
PRC nationwide Moped '01/'02 – '04/'05	6 g/km		3 g/km	ECE R47
PRC nationwide Moped '05/'06 onwards	1 g/km		1.2 g/km	ECE R47
PRC nationwide (2S) '01/'02 onwards	8 g/km	4 g/km	0.1 g/km (NOx)	ECE R40
PRC nationwide (4S) '01/'02 onwards	13 g/km	3 g/km	0.3 g/km (NOx)	ECE R40
- Beijing 2S + 4S '01 – '03	4.5 g/km		3 g/km	ECE R40
- Beijing 2S + 4S '04 onwards	3.5 g/km		2.0 g/km	ECE R40
Singapore	12 g/km		5 g/km	FTP
Sri Lanka	6.0 g/km			Low -idling;
Taipei,China (current 2-4 stroke)	4%	6,000 ppm		Idle warm test
Taipei,China Jan '04 2 & 4 Stroke	3%	2,000 ppm		Idle Cold test
Thailand	4.5 g/km	3 g/km		Free acceleration 30% white smoke
Thailand July 2003	3.5 g/km		2 g/km	Evaporative emission 2g test 15% white smoke
Thailand July 2004	3.5 g/km		1.8 g/km	Without evaporative emission std. 15% white smoke
Viet Nam MC Proposed 2004	4.5 g/km		3 g/km	
Viet Nam MC Proposed 2007	3.5 g/km		2 g/km	
Viet Nam Moped Proposed 2004	6 g/km		3 g/km	For 3 and 4 wheelers multiply by 2
Viet Nam Moped Proposed 2007- 2 wheel	1.0 g/km		1.2 g/km	
Viet Nam Proposed 2007 – ¾ wheel	3.5 g/km		2.4 g/km	