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Economic Commission for Europe

Inland Transport Committee

Working Party on Transport Trends and Economics

Group of Experts on Benchmarking Transport Infrastructure Construction Costs

Eleventh session

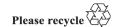
Geneva, 8 and 9 April 2021 Item 4 of the provisional agenda Collection and analysis of benchmarking data

Draft questionnaire on road transport infrastructure maintenance and operation costs

Submitted by the Government of Turkey

Background

The Inland Transport Committee (ITC) at its eighty-third session in February 2021 extended the mandate of the Group of Experts on Benchmarking of Transport Infrastructure Construction Costs (GE.4) for an additional year until 2022, with the purpose to revamp its data collection efforts across all modes which would result in a more data rich final report. At the thirty-third session of the Working Party on Transport Trends and Economics, in September 2020, the Government of Turkey had proposed to utilise such a 1-year extension, to prepare an additional benchmarking analysis of transport infrastructure maintenance and operation costs. In follow-up to this proposal, it has prepared a preliminary questionnaire focusing on the road transport sector as contained in this document. The Group is invited to review, finalise and adopt this draft questionnaire enabling a timely launch of data collection efforts.



Annex

Routine Maintenance Costs and Expenditures

Routine maintenance, which comprises small-scale works conducted regularly, aims "to ensure the daily throughput and safety of existing roads in the short-run and to prevent premature deterioration of the roads" (PIARC 1994).

COUNTRY NAME

Explanation 2

Annual Labour Cost		It contains all labour costs as salary, overtime, bonus, and side rights.							
Annual Ma	aterial Cost	It contains all materials costs such as fuel oil, bitumen, spare parts, stationery, fuel expense, salt, chemicals, construction products, etc. which expend on road maintenance services							
Invoiced e	xpenses	It contains all utility invoices such as road lighting, phone, electricity, water, mobile phone, internet, natural gas and another invoices which is on road maintenance services.							
Operating expenses of machines and mechanisms		It contains depreciation deductions for full restoration, costs of replacing wearing parts and attachments, the cost of relocating machines from one maintenance services to another one including the installation of machines with commissioning, dismantling, transportation with loading and unloading operations.							
Bid Expen	ditures	All biddings on road maintenance services such as traffic services, traffic lights, installing guardrails, winter maintenance, road repairs etc.							
Primary	and Seco	ondary	Roads-1						
							PRICES YEAR:		
Routine M	aintenance]	Expendit	ures of Prir	nary and Seco	ondary Roa	nds			
							Unit: US\$		
Total Annualy Maintaine	Force Acco	ount Exp	enditures			Bid Expenditure s			
Annualy	Annual Labour	ount Exp Annual Material Cost	Invoiced Expense	Operating expenses of machines and mechanism	Total	Expenditure	US\$		

PRICES YEAR:----

						PRI	ICES YEAR:		
Routine M	aintenance	Unit Co	sts of Prima	ry and Seconda	ary Road	S			
						Un US	it: \$/LaneXkm	1.	
Traffic Safety Unit Cost		Road Maintenance Unit Cost		Winter Maintenand Unit Cost		e To	tal Unit Cos	t Cost	
Motorwa	nys-1								
							PRIC YEA	CES R:	
Routine M	aintenance	Expend	itures of Mo	torways					
							Uni US\$		
Annually	Force Acc	count Exp	penditures			Bid Expend	Tota ditures	al	
Maintain ed Road Length (Km)	Annual Labour Cost	Annual Materia Cost	al d	Operating expenses of machines and mechanism	Total	Total			
Motorwa	nys-2								
							PRICES YE.	AR:	
Routine M	aintenance	Unit Co	sts of Motor	ways					
							Unit: US\$/LaneXkm		
Traffic Safety Uni Cost	Road t Mainte Unit C	enance l	Winter Maintenance Unit Cost	Total Maintenanc Unit Cost	Toll e Colle Unit		Total Uni	t Cost	