

**His Majesty's Government of Nepal (HMGN)**  
**Ministry of Physical Planning and Works (MoPPW)**  
**Department of Roads (DoR)**

**Norms**  
**for**  
**Routine Maintenance of Roads**

**Paush 2062 (December/January 2005/06)**

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**His Majesty's Government of Nepal (HMGN)**  
**Ministry of Physical Planning and Works (MoPPW)**

Letter No.: 7.1.1/062-63

Issue No.: 118

Dated: 062/9/13 (AD28/12/2005)

**Subject: Regarding approval of Rate Assessment Norms for Routine Maintenance of Highways and Feeder Roads**

The Department of Roads  
Babar Mahal

With reference to the above subject, in response to the norms submitted to the Prime Minister's and Council of Ministers' Office for approval, upon receipt of the Council of Ministers approval through its meeting of 062/9/7 (AD22/12/05), as per its directive, a copy of the document related to it is enclosed herewith for your necessary action.

(Nandakishore Amatya)  
Engineer

Maintenance Division, CDE **Mr Bishnu**

**[?]**

To act and cause implementation of the decision by informing all concerned.

**His Majesty's Government (HMGN)**  
**Ministry of Physical Planning and Works (MoPPW)**

**Proposal**

**Subject: Regarding approval of Rate Assessment Norms for Routine Maintenance of Highways and Feeder Roads.**

Date of approval by Rt. Hon'ble Vice-Chairperson: 2062/5/23 (AD08/09/05)

**1. Brief Description of the Subject:**

The Rate Assessment Norms, prepared to implement the routine repair and maintenance works of highways and feeder roads through the length worker system, signed by the Director General of the Department of Roads, has been in operation since BS2053 (AD1996/97) after being endorsed by the then Hon'ble minister on 2053/9/11 (AD26/12/96). Through this system, the Department of Roads has been discharging high level of social responsibility, in addition to road repair works. A ministerial-level decision has been made to request the Council of Ministers to approve the Rate Assessment Norms for Routine Maintenance of Highways and Feeder Roads, prepared by the Department of Roads by incorporating labour, social commitment and equipment, other materials and repair in the recently amended norms, replacing labour, construction materials and mechanical equipment in the sub-clauses of the clause Resources in the previous norms on routine road repair and maintenance.

**2. Justification for Submitting the Proposal:**

In view of the fact that the Tenth Five-Year Plan contemplates the concept of poverty alleviation and empowerment, it has been felt that it is very essential to include the following improvements in the current routine maintenance norms:

- a. As the work of length workers and supervisors at the workplace is hazardous, introduction of provision of insurance for them.
- b. Conducting of regular training to enhance their performance.
- c. Conducting of Annual Road Maintenance Planning (ARMP) workshops every year to bring about uniformity in the planning process of repair and maintenance work.
- d. Availability of first aid facility for primary treatment during work.

Whereas, in the prevalent norms, there is a provision of spending up to 23% (of labour costs) on account of supervision cost, tools purchase and repair costs, by including the above points in the proposed amendment norms, a total of 23% (equivalent to the limits of the prevalent norms) on account of supervision, tools purchase and repair, length workers' training, ARMP workshop, insurance cost and primary treatment expenses, among others, this proposal has been proposed as it would also contribute towards poverty alleviation and empowerment.

**3. Consultancy Received and Other Contextual Matters:**

As per Section 63 (3) of the Financial Administration Regulations 2065, there is a provision of preparing cost estimates while assigning tasks related to construction and taking approval of His Majesty's Government of Nepal (Council of Ministers) for implementing the norms, general specifications and standard conditions of contract.

**4. Recommendation of the Ministry:**

As the approval of the Rt Hon'ble Vice Chairperson has been received, on 2062/5/23 (AD08/09/08), for the submission of the proposal to the HMGN (Council of Ministers) for approval of 'The Rate Assessment Norms for Routine Maintenance of the Highway and Feeder Roads', prepared by the Department of Roads, under Rule 63 (3) of the Financial Administration Regulations 2065, this proposal is submitted as per Part A (1) of Schedule 1 of the HMGN (Work Performance) Regulations 2047.

**5. Description of the Decision to be taken:**

To grant approval to 'The Rate Assessment Norms for Routine Maintenance of the Highway and Feeder Roads (attached total 5 pages from 1.1 to 1.5)' as per Rule 63 (3) of the Financial Administration Regulations 2065.

Dated: 2062/5/30 (AD21/08/08/05)

(Janak Raj Joshi)  
Secretary

The Secretary  
Ministry of Physical Planning and Works

As, on submission of the proposal No. 10 A 1/16-062/5/31 of the Ministry of Physical Planning and Works with regard to the approval of the Rate Assessment Norms for Routine Maintenance of Highways and Feeder Roads, which was presented at the Council of Ministers Meeting No. 25/062, dated 2062/9/7 (AD22/12/05), His Majesty's Government has made the following decision in accordance with Rule 26 (Schedule 1 Section A) of His Majesty's Government (Work Performance) Regulations 2047, this is to request implementation of the same.

**Decision of HMGN:**

'To be implemented as stipulated in the proposal.'

Lokman Singh Karki  
Chief Secretary  
2062/9/7 (AD22/12/05)

## Rate Assessment Norms

SN	Work Description	Unit	Resources									Remarks
			Labour			Social Commitment			Equipment, other tools and repair			
			Level	Unit	Quantity	Type	Unit	Quantity	Type	Unit	Quantity	
1.0	<b>Routine Maintenance</b> List of jobs: cleaning of drainage; cleaning of culverts; removal of dust and pebbles from the road; cutting of grass from drains and embankments; cleaning of road furniture; and security and maintenance of road.											<ul style="list-style-type: none"> <li>This norm shall be applicable for roads with carriageway length between 3.5 and 8 m.</li> <li>Training, ARMP, insurance, primary treatment, quantity of logistics and Oil-based substances will be determined by multiplying labor costs.</li> </ul>
1.1	<b>Maintenance of hilly blacktopped roads</b> a. During rainy season (Asar [June/July], Srawan [July/Aug], Bhadra [Aug/Sept] and Aswin [Sept/Oct])  b. During rainy season	3 Km.	Supervisor	Number	0.17	Training, ARMP	%	1.7	1. Tools equipment	%	9.0	1. Tools and equipment: a. Provide each supervisor with a bicycle, raincoat or an umbrella, First aid kit, notebook, cap, jacket, and gumboots. b. It shall be the responsibility of the office concerned to provide each length worker with a <b>Belcha</b> , shovel, pick, sickle, spade, crowbar, <b>beed, dante</b> , axe, hammer, chisel, <b>khurpa</b> (pruning knife), rammer/hammerhead, wheel barrow, notebook, raincoat, cap, jacket, helmet, gloves and gumboots. 2. Oil-based substances. 3. Under repair of tools, repair mechanized equipment and tools, cycle, etc
		Length worker	Number	2.50	Insurance	%	1.0	2. Oil-based substances	%	8		
					First aid kit	%	0.3	3. Tools repair	%	3.0		
			Supervisor	Number	0.17	Training, ARMP	%	1.7	1. Tools, equipment	%	9.0	
			Length worker	Number	1.00	Insurance	%	1.0	2. Oil-based substances	%	8.0	
					First aid kit	%	0.3	3. Tools repair	%	3.0		

1.2	Routine maintenance of hilly gravelled/rough roads  a. During rainy season (Asar [June/July], Srawan [July/Aug], Bhadra [Aug/Sept] and Aswin [Sept/Oct]))  b. During dry season	2 Km.										<ul style="list-style-type: none"> <li>This norm shall be applicable for roads with carriageway length between 3.5 and 8 m</li> <li>Training, ARMP, insurance, primary treatment, quantity of logistics and Oil-based substances will be determined by multiplying labor costs.</li> </ul> <p>4. Tools and equipment:</p> <p>c. Provide each supervisor with a bicycle, raincoat or an umbrella, First aid kit, notebook, cap, jacket, and gumboots.</p> <p>d. It shall be the responsibility of the office concerned to provide each length worker with a <i>Belcha</i>, shovel, pick, sickle, spade, crowbar, <i>beed, dante</i>, axe, hammer, chisel, <i>khurpa</i> (pruning knife), rammer/hammerhead, wheel barrow, notebook, raincoat, cap, jacket, helmet, gloves and gumboots.</p> <p>5. Oil-based substances. Under repair of tools, repair mechanized equipment and tools, cycle, etc</p>
			Supervisor	Number	0.11	Training, ARMP	%	1.7	1. Tools, equipment	%	9.0	
			Length worker	Number	2.50	First aid kit	%	1.0	2. Oil-based substances	%	8.0	
			Supervisor	Number	0.11	Training, ARMP	%	1.7	1. Tools, equipment	%	8.0	
			Length worker	Number	1.00	Insurance	%	1.0				
						First aid kit	%	0.3	2. Oil-based substances	%	3.0	
									3. Tools repair	%		



1.3	Routine maintenance work of terai black metal top roads	5 Km.										<ul style="list-style-type: none"> <li>• This norm shall be applicable for roads with carriage way length between 3.5 and 8 m.</li> <li>• Training, ARMP, insurance, primary treatment, quantity of logistics and Oil-based substances will be determined by multiplying laborers' expenses.</li> </ul>										
													a. During rainy season ( <i>Asar [June/July], Srawan [July/Aug], Bhadra [Aug/Sept] and Aswin [Sept/Oct]</i> )	Supervisor	Number	0.25	Training	%	1.7	1. Tools, equipment	%	9.0
														Length worker	Number	1.50	Insurance	%	1.0	2. Oil-based substances	%	8.0
																	First aid kit		0.3	3. Tools repair	%	3.0
													b. During dry season	Supervisor	Number	0.25	Training	%	1.7	1. Tools, equipment	%	9.0
														Length worker	Number	1.00	Insurance	%	1.0	2. Oil-based substances	%	8.0
																	First aid kit		0.3	3. Tools repair	%	3.0

1.4	Routine maintenance work of terai gravelled/rough roads	5 Km.										<ul style="list-style-type: none"> <li>This norm will be implemented for roads with carriage way length between 3.5 and 8 m.</li> <li>Training, ARMP, insurance, primary treatment, quantity of logistics and Oil-based substances will be determined by multiplying laborers' expenses.</li> </ul>	
			a. During rainy season ( <i>Asar [June/July], Srawan [July/Aug], Bhadra [Aug/Sept] and Aswin [Sept/Oct]</i> )	Supervisor	Number	0.17	Training	%	1.7	1. Tools, equipment	%		9.0
				Length worker	Number	1.50	Insurance	%	1.0	2. Oil-based substances	%		8.0
							First aid kit		0.3	3. Tools repair	%		3.0
			b. During dry season	Supervisor	Number	0.17	Training	%	1.7	1. Tools, equipment	%		9.0
				Length worker	Number	1.00	Insurance	%	1.0	2. Oil-based substances	%		8.0
							First aid kit		0.3	3. Tools repair	%		3.0
										<ol style="list-style-type: none"> <li>Tools and equipment: <ol style="list-style-type: none"> <li>Provide each supervisor with a bicycle, raincoat or an umbrella, First aid kit, notebook, cap, jacket, and gumboot.</li> <li>Each length worker to be provided with a <i>Belcha</i>, shovel, pick, sickle, <i>spade</i>, <i>crowbar</i>, <i>beed</i>, <i>dante</i>, <i>axe</i>, <i>hammer</i>, <i>10hina</i>, <i>khurpa</i> (<i>pruning knife</i>), <i>rammer/hammerhead</i>, wheel barrow, notebook, raincoat, cap, jacket, helmet, gloves and gumboot.</li> </ol> </li> <li>Oil-based substances.</li> <li>Mechanized equipment for tool repairing and repair of tools, cycle, etc</li> </ol>			

1.5	Routine maintenance work of roads inside strategically-important roads (for both rainy and dry seasons)  b. During dry season	1 Km.	Supervisor	Number	0.11	Training	%	1.7	0.1. Tools, equipment	%	9.0	<ul style="list-style-type: none"> <li>• This norm will be implemented for roads with carriage way length between 3.5 and 8 m.</li> <li>• Training, ARMP, insurance, primary treatment, quantity of logistics and Oil-based substances will be determined by multiplying laborers' expenses.</li> </ul> 1. Tools and equipment: a. Provide each supervisor with a bicycle, raincoat or an umbrella, First aid kit, notebook, cap, jacket, and gumboot. b. Each length worker to be provided with a <i>Belcha</i> , shovel, pick, sickle, <i>spade</i> , <i>crowbar</i> , <i>beed</i> , <i>dante</i> , axe, hammer, <i>11hina</i> , <i>khurpa</i> ( <i>pruning knife</i> ), <i>rammer/hammerhead</i> , wheel barrow, notebook, raincoat, cap, jacket, helmet, gloves and gumboot. 2. Oil-based substances. 3. Mechanized equipment for tool repairing and repair of tools, cycle, etc
Length worker	Number	1.0	Insurance	%	1.0	1.2. Oil-based substances	%	8.0				
			First aid kit	%	0.3	3. Tools repair	%	3.0				