

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** Maintenance Branch

ARMP software (Version 3.0, 2022)

User's Manual

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5.9 5.9.2 5.9.2 5.9.3 5.10 5.10 5.10	Reconstruction 1 Select Links 2 Prepare Details 3 View Summary Upgrading 0.1 Select Links 0.2 Prepare Details	
5.9 5.9.2 5.9.2 5.9.3 5.10 5.10 5.10 5.10	Reconstruction 1 Select Links 2 Prepare Details 3 View Summary Upgrading	
5.9 5.9.2 5.9.2 5.10 5.10 5.10 5.10 5.10	Reconstruction 1 Select Links 2 Prepare Details 3 View Summary Upgrading	
5.9 5.9.2 5.9.2 5.10 5.10 5.10 5.10 5.10 5.11 5.11	Reconstruction 1 Select Links 2 Prepare Details 3 View Summary Upgrading	
5.9 5.9.2 5.9.2 5.9.3 5.10 5.10 5.10 5.10 5.11 5.11 5.11	Reconstruction 1 Select Links 2 Prepare Details 3 View Summary Upgrading Upgrading 0.1 Select Links 0.2 Prepare Details 0.3 View Summary Summary Sub Menu 1.1 1.2 FHSMO Summary	
5.9 5.9.2 5.9.2 5.10 5.10 5.10 5.10 5.10 5.11 5.11 5.11	Reconstruction 1 Select Links 2 Prepare Details 3 View Summary Upgrading	

1. Menu Bar

ARMP-Annual Road Maintenance Planning Ver 3

System Road Network Rates ARMP Map Help

System: Allows users to create new user, change password, view users, login and logout/quit.

Road Network: Allows admin users to update the road network including dynamic segmentation using pavement data (width, last resurface etc)

Rates: Allows users to view routine labour rates, work item and recurrent maintenance rates.

Norms Allows users to view routine and recurrent norms.

ARMP Provides users to perform the following

- To view road register
- To view details related to regular maintenance cost estimate and reactive maintenance/periodic maintenance/road side maintenance
- To view details related to rehabilitation/reconstruction and upgradation of selected roads
- To view bridge routine details
- Select bridge for routine maintenance cost calculation, minor bridge maintenance details and its summary
- To view Annual Road Maintenance Summary taking into consideration a particular region/division/nation.

Map: Allows users to view map of the assessed data.

Help: Provides brief detail about the software like version number etc.

2. System Menu

🚸 ARMP-Annual Road Maintenance Planning Ver 3							
System	Road Network	Rates	ARMP	Мар	Help		
Log	in						
Use	er Management	•					
Log	out						
Qui	t						

Within the **System** menu, users are provided with the option to login into the tool. Further, within the option of **user management**, one can change his/her login password. For users who login as 'Admin', they are able to view/add users. **Logout/Quit** options are also provided in this menu.

2.1 Login Screen

🔜 Login		×
User Name : Password : Fiscal Year:	2021	~
		Login

So as to prevent unauthorized access to the tool, users are supposed to login using a proper **username** and **password**. They can also choose the fiscal year, e.g. 2012 or 2013 for which the details are to be viewed.

2.2 User Management



By clicking on the user management sub menu, the user is provided with four options- change password, view users, add users and view user log.

2.3 Change Password

User ID :	Damak1
Old Password :	
New Password :	
Retype Password	:
Cancel	Change

To change the password, details such as user id, old password and new password are to be entered and 'Change' button is to be pressed for successfully changing the password.

2.4 View Users (For Admin Only)

For users with 'Admin' rights, it is possible to view all the users who are currently using the system. To view the same, view users' option within the user management sub-menu is to be selected.

Admin users are able to view details such as name of the user, user id, login type (Editor/Admin/User) and the date on which the account was created.

•	🖳 User Account information							
		UserID	User Name	User Type	Division Access	Created Date	•	
	Þ	Baglung	Baglung	Editor	Baglung	2015/03/03	=	
		Biratnagar	Biratnagar	Editor	Biratnagar	2015/03/03	_	
		Butwal	Butwal	Editor	Butwal	2015/03/04		
	Central		Central	User	Central	2015/03/03		
	Chandranigah		Chandranigahapur	Editor	Chandranigah	2015/03/04		
	Charikot		Charikot	Editor	Charikot	2015/03/04		
	Chaurjahari		Chaurjahari	Editor	Chaurjahari	2015/03/04		
	Damak		Damak	Editor	Damak	2015/03/03		
		Damauli	Damauli	Editor	Damauli	2015/03/04		
		Dang	Dang	Editor	Dang	2015/03/04		
		Dhankuta	Dhankuta	Editor	Dhankuta	2015/03/03		
		Doti	Doti	Editor	Doti	2015/03/04	-	
L								
	Delete							

2.5 Add Users Sub Menu (For Admin Only)

Admin users are able to add new users by selecting the '**Add Users**' option within the **user management** sub menu.

🖳 Create User Accoun	t 💌
User Name	
User ID	
Division	~
Account Type	~
Password	
Retype Password	
Year	
	Create

To add new users, a number of details are to be provided such as user name, user id, division (Eastern/Central/Western/Mid-Western/Bhaktapur/Dhankuta etc.), account type (user/admin/editor), password and the current year.

2.6 View User Log (For Admin Only)

For users with 'Admin' rights, it is possible to view log of all the users including login time, logout time and the user's IP address using the system.

🖳 User Log 📃 🗖 🗮								
	Select User Bharatpur V Load User Total Records:							
	Limit 25 Records O Show All Records							
		S.No	Log In Date Time	Log Out Date Time	Log In IP ^			
	•	1	2021-05-10 17:17:54	2021-05-10 17:33:43	192.168.1.141			
		2	2021-05-10 13:55:38		192.168.1.105			
		3	2021-05-09 17:20:48	2021-05-09 17:34:34	192.168.1.105			
		4	2021-05-09 11:47:55	2021-05-09 13:04:06	192.168.1.105			
		5	2021-05-08 13:20:37	2021-05-08 19:15:53	192.168.1.91			
		6	2021-05-08 12:32:12	2021-05-08 13:16:35	192.168.1.105			
		7	2021-05-08 09:44:39	2021-05-08 10:34:58	192.168.1.91			
		8	2021-05-07 18:49:22	2021-05-07 18:56:02	192.168.1.102			
		9	2021-05-07 16:58:05	2021-05-07 17:16:34	192.168.1.91			
		10	2021-05-07 16:57:43	2021-05-07 16:57:48	192.168.1.91			
		11	2021-05-07 15:04:00	2021-05-07 16:55:15	192.168.1.76			
		12	2021-05-07 14:08:46		192.168.1.108			
		13	2021-05-07 11:14:36	2021-05-07 18:56:14	192 168 1 105			
	<				>			

3. Road Network

ARMP-Annual Road Maintenance Planning Ver 3							
System	Road Network Rates	ARMP Map Help					
	Road Network	Edit Network Data					
	Pavement >	Upload Road Network					
	Utilities >						

The road network menu provides access to edit the network data including uploading of the road geometry using shape files. It also provides tools for creating sections within link with chainages for the various pavement types, resurfacing/construction dates and the road condition (IRI, SDI) and the traffic data.

3.1 Edit Network Data

The Basic road network data can be edited or even road link deleted using this tool. Once deleted the road link is also deleted from the map.

🔜 Ro	🐖 Road Network — 🗆 🗙							
Networ	k Data: B	haktapur	~ Lo	oad	Division W	Vise 🔿 I	District Wise	Year: 2021
	S.No	Road Ref No	Link Code	Link Name		From Chainage	To Chainage	Geometry Geometry Exists Load Geometry
	29	F098	F09802	Adikarigaun-Nagarkot		9.00	12.0	
	30	F099	F09901	Trolly bus(ARM)-Suryabinayak-Cha	melida	0.00	10.5	Road Class NH V Road Ref No NH34
	31	F100	F10001	Sallaghari (ARM)-Katunje-Sumlingt	tar(KVR	0.00	6.0	Road Name Kathmandu-Dhulikhel-Dolalghat-Khadichaur-Kodari (Arniko Rajma
	32	NH03	NH03-022	Dobhantar (DB) - Dolalghat		573.35	607.3	
	33	NH15	NH15-002	Lankuri Bhanjyang - Dapcha Chhat	trebangh	25.09	45.0	Link Code NH34-006
	34	NH15	NH15-003	Dapcha Chhatrebangh - Patlekhet		45.04	58.9	Link Name Survabinavak Hanumante Culvert-Sanna
۱.	35	NH34	NH34-006	Suryabinayak Hanumante Culvert-S	Sanga	11.79	18.5	
	36	NH34	NH34-007	Sanga-Punyamata bridge		18.51	22.6	Link Origin
	37	NH34	NH34-008	Punyamata bridge-Banepa		22.69	23.6	Link Destination
	38	NH34	NH34-009	Banepa-Chalnedhunga		23.65	25.5	From Chainage 11.79 To Chainage 18.51
	39	NH34	NH34-010	Chalnedhunga-Khawa		25.56	31.4	6.72
	40	NH34	NH34-011	Khawa-Lamidanda		31.43	44.7	
	41	NH34	NH34-012	Lamidanda-Dolalghat		44.75	56.9	District Bhaldapur y Division Bhaldapur y
	42	NH38	NH38-005	Changunarayan-Suryabinyak(KTM	Outer R	39.00	53.8	Diaktapur V Division Briaktapur V
<							>	Save

3.2 Upload Road Network

The geometry of the road network can be uploaded using this tool.

ARMP-Annual Road Maintenance Planning Ver 3								
System	Road Network Rates	ARMP Map Help						
	Road Network	Edit Network Data						
	Pavement	Upload Road Network						
	Utilities •							

Basic attribute mapping is essential to uniquely identify the road (e.g road code etc..). The geometry should be UTM Zone 44N coordinate system.

🖳 Upload Road Network	
Shapefile Path	The shapefile should be in UTM 44N WGS84 Coordinate system.
Attribute Mapping	Options Replace All Append Data Data Year 2015

3.3 Pavement

The pavement information is tool for dynamic segmentation of the road links by various parameters. Links sections can be defined using 'From' and 'To" Chainages and various parameters can be provided and the software will break the links accordingly.

🚽 Paver	ment Informatio	n													
									Entry Type						
Sele	ct Road Ref No	NH08	~	Select Link NH08	3-001	✓ Load Li	nk		Chainage Longitude/Latitude Calculate Lat/Long						
Link	Name Rani	(IB) - Biratnag	jar						From Chainage 0 To Chainage 4						
Link	Start Ch	0 1	Link End Ch	6.64	Link Length	6.6	4		Longitude 0 Longitude 0						
					Latitude 0 Latitude 0										
	From Chainage	To Chainage	Section Length	Pavement Type	Pavement Width (m)	Last Resurface Year	SDI	IR	Pavement Type STGB V Thickness 0						
•	0.00	4.00	4.00	STGB	7.33	2014	2.5	5.8	Base Thickness 0 Sub-base Thickness 0						
	4.00	6.64	2.64	STGB	7.33	2011	2.5	5.8	Pavement Width 7 33 Formation Width 0						
									No of Lanes 0 Sub-grade Soil Ordinary Soil ~						
									Left Shoulder Width 0 Right Shoulder Width 0 Left Shoulder Type Gravel V Right Shoulder Type Gravel V						
									Last Update Inventory Year 0						
									Update Notes RSDPAF 2012-13 TYPM ongoing and ACQMP						
									Program/Project 🗸						
									Construction Year 0 Last Resurface Year 2014						
<								>	SDI Value 2.5 IRI Value 5.8						
Dele	te							New	AADT Value 8482 Commercial Vehicle 2028						
									Save						

4. Rates Menu

🚯 ARMP-/	ARMP-Annual Road Maintenance Planning Ver 3												
System	Road Network	Rat	es	ARMP	Мар	Help							
			Routine Labour Rates										
			Re	active Iten	n Rates								
			AR	MP Budg	etary Ite	ms							
			AR	MP Budg	etary Ra	ites							

Within the rates menu, users are able to view the routine labour rates (For Admin only). Work item and recurrent maintenance rates can also be viewed within the menu.

4.1 Routine Labour Rates (For Admin Only)

	Division	LWRate	SVRate	
Þ	Baitadi	328.77	371.18	
	Bhaktapur	328.77	371.18	
	Bharatpur	328.77	371.18	
	Biratnagar	328.77	371.18	
	Butwal	328.77	371.18	
	Charikot	328.77	371.18	
	Damak	328.77	371.18	
	Damauli	328 77	371 18	
Divi	sion	LW Rate	SV F	Rate Updat
	-			

Admin users are able to view the routine labour rates for various divisions of the country and are also able to update the corresponding LWRate/SVRate.

4.2 Reactive Item Rates

🚯 ARMP-A	Annual Road Mainte	enance Planning Ver 3
System	Road Network	Rates ARMP Map Help
		Routine Labour Rates
		Reactive Item Rates
		ARMP Budgetary Items
		ARMP Budgetary Rates

Within the Reactive Item Rates submenu, Users have to fill the Reactive item rates.

4.2.1 Labour Tab

item Code		I I an it	Data	Data Causaa	
001	Skilled Labour	md	900.00	District Rate	_
.002	Unskilled Labour	md	750.00	District Nato	
	002	001 Skilled Labour 002 Unskilled Labour	001 Skilled Labour md 002 Unskilled Labour md	001 Skilled Labour nd 900.00 002 Unskilled Labour nd 750.00	001 Skilled Labour md 900.00 District Rate 002 Unskilled Labour md 750.00

Users should enter current district rate of skilled and unskilled labour rates.

4.2.2 Material Tab

Rate Ent	ry					
Division:	Baglung	✓ Load				Year: 2019
Labour	Material E	quipment				
	Item Code	Item	Unit	Rate	Rate Source	
•	M001	Aggregate (Bitumenous Concrete)	cum	1,944.00		
	M002	Aggregate (Base Course)	cum	1,744.00		
	M003	Sub-base Material	cum	1,497.00		
	M004	Bitumen MC - 800	tonne	79,890.60		
	M005	Emulsion for tack coat	tonne	69,040.60		
	M006	Water	kl	200.00		
						Save

Users should enter the rate for materials. The rate should include all production and transport cost.

4.2.3 Equipment Tab

abo	ur Material E	Equipment	1.0.000	10101404		
	Item Code	Item	Unit	Rate	Rate Source	
•	E001	Air compressor	hr	1,459.00	DoR Rate	_
	E002	Hot mix plant	hr	14,122.00	DoR Rate	
	E003	Tipper	hr	1,454.00	DoR Rate	
	E004	Smooth wheeled roller	hr	1,608.00	DoR Rate	
	E005	Vibratory roller	hr	2,413.00	DoR Rate	

Users should enter the rate for equipment prescribed by DoR. The rate should include equipment purchasing cost, fuel cost, maintenance, maintenance crew and operation cost.

4.3 ARMP Budgetary Items (Admin Only)

These are standard items defined for entire ARMP. Editing of items are only available for the admin users.

enance	BM-001 BM-002 BM-003	Crack Repairs Maintenance of approach road	sqm sqm
	BM-002 BM-003	Maintenance of approach road	sqm
	BM-003		-
		Maintenance of approach slab	sqm
	BM-004	Protection from scouring	LS
	BM-005	Removal of debris/waterway clearance	cum
	BM-006	Repainting of steel parts	sqm
	BM-007	Repair of traffic collision damages	sqm
	BM-008	Replacement of bearing	no
	BM-009	Replacement of expansion joint	rm
laintenance	EM-001	Construction of diversion	Km
	EM-002	Provision of traffic /guide tools/signs	LS
	EM-003	Provisioning equipment deployment expens	LS
	FM-004	Removal of slides /debris/obstacle	cum
idae Maintens	ance	Activity No. D14 004	
	Naintenance	BM-006 BM-007 BM-008 BM-009 Aaintenance EM-002 EM-003 FM-004	BM-006 Repainting of steel parts BM-007 Repair of traffic collision damages BM-008 Replacement of bearing BM-009 Replacement of expansion joint Aaintenance EM-001 Construction of diversion EM-002 Provision of traffic /guide tools/signs EM-003 Provisioning equipment deployment expens FM-004 Removal of slides /debris/obstacle

4.4 ARMP Budgetary Rates

The rates for standard items defined for entire ARMP can be entered using this tool. Each division should provide the rates applicable to the entire division.

ARN	1P Budgetary Rates					
ARI	IP Budgetary Rates					
Divis	ion: Kathmandu	~ Load				
	Activity Group	Activity No.	Short Description	Unit	Rate	
•	Bridge Maintenance	BM-001	Crack Repairs	sqm	0.00	
		BM-002	Maintenance of approach road	sqm	0.00	
		BM-003	Maintenance of approach slab	sqm	0.00	
		BM-004	Protection from scouring	LS	0.00	
		BM-005	Removal of debris/waterway clearance	cum	0.00	
		BM-006	Repainting of steel parts	sqm	0.00	
		BM-007	Repair of traffic collision damages	sqm	0.00	
		BM-008	Replacement of bearing	no	0.00	
		BM-009	Replacement of expansion joint	rm	0.00	
	Emergency Maintenance	EM-001	Construction of diversion	Km	0.00	
		EM-002	Provision of traffic /guide tools/signs	LS	0.00	
		EM-003	Provisioning equipment deployment expenses	LS	0.00	
		EM-004	Removal of slides /debris/obstacle	cum	0.00	
		EM-005	Replacement of endangered structures	LS	0.00	
	Doriodio	DD 001			0.00	

5. ARMP MENU

5.1 Road Register

🚯 ARMP-A	Annual Road Maint	enance Pla	nning Ver 3		
System	Road Network	Rates	ARMP Map Help		
			Road Register	•	Division Wise
			Regular Maintenance	•	District Wise
			Periodic Maintenance		
			Responsive Maintenance	•	
			Road Side Maintenance	•	
			Emergency Maintenance	•	
			Bridge Maintenance	•	
			Rehabilitation	•	
			Reconstruction	•	
			Upgrading	•	
			Summary	•	

5.1.1 Division wise Road Register

Provides the road register by division. It also includes the sub-links and the activities e.g. last resurfacing, pavement status and project notes for each of the links and sub-links.

🖳 Road R	egister															
Divsion	Biratna	gar	✓ Load			Road	Register	r							Year : 2	020
	Road Ref No	Link Code	Link Name	Link From	Link To	Link Length	BT	GR	ER	UC	PL	Terrain	Link Section	Section From	Section To	Se Le
	NH01	NH01-006	Mawa-Harichamod	54.75	80.86	26.11	26.11	0.00	0.00	0.00	0.00	Р	NH01-006-A	54.75	63.45	
													NH01-006-B	63.45	70.45	
													NH01-006-C	70.45	80.86	
	NH01	NH01-007	Harichamod-Budhi Khola	80.86	91.05	10.19	10.19	0.00	0.00	0.00	0.00	Р	NH01-007-A	80.86	81.00	
													NH01-007-B	81.00	90.00	
													NH01-007-C	90.00	91.05	
	NH01	NH01-008	Budhi Khola-Itahari	91.05	92.40	1.35	1.35	0.00	0.00	0.00	0.00	Р	NH01-008-A	91.05	92.40	
	NH01	NH01-009	Itahari-Sakhawa Gachhi	92.40	107.64	15.24	15.24	0.00	0.00	0.00	0.00	Р	NH01-009-A	101.64	107.64	
													NH01-009-B	92.40	101.64	
	NH01	NH01-010	Sakhawa Gachhi-Sunsari bridge	107.64	111.05	3.41	3.41	0.00	0.00	0.00	0.00	Р	NH01-010-A	107.64	111.05	
	NH01	NH01-011	Sunsari bridge-Koshi Barrage	111.05	134.93	23.88	23.88	0.00	0.00	0.00	0.00	Р	NH01-011-A	111.05	130.00	
													NH01-011-B	130.00	134.93	
	NH01	NH01-012	Koshi Barrage-Bharadaha	134.93	140.95	6.02	6.02	0.00	0.00	0.00	0.00	Р	NH01-012-A	134.93	140.95	
	NH05	NH05-003	Ratuwa Nadi - Rangeli	47.97	66.38	18.41	18.41	0.00	0.00	0.00	0.00	Р	NH05-003-A	47.97	66.38	
	NH05	NH05-004	Rangeli - Biratnagar	66.38	89.62	23.24	23.24	0.00	0.00	0.00	0.00	Р	NH05-004-A	66.38	67.23	
													NH05-004-B	67.23	77.05	
													NH05-004-C	77.05	81.90	
													NH05-004-D	81.90	83.86	
													NH05-004-E	83.86	85.79	~
<																>

5.1.2 District wise Road Register

Provides the road register by district. It also includes the sub-links and the activities e.g. last resurfacing, pavement status and project notes for each of the links and sub-links.

🖳 Roa	d Register Dist	rict Wise													• ×
Distr	District Achham - Load		- Load	Road Register (District Wise)										Year :	2015
	Road Ref No	Link Code	Link Name	Link From	Link To	Link Length	BT	GR	ER	UC	PL	Terrain	Link Section	Section From	Section To
+	F051	F05102	Chaukhutte Bajar-Sanfebagar	41.00	67.00	26.00	26.00	0.00	0.00	0.00	0.00	Н	F05102-A	41.00	51.00
													F05102-B	51.00	67.00
	F146	F14601	Sanphebagar-Rakse	0.00	14.00	14.00	14.00	0.00	0.00	0.00	0.00	н	F14601-A	0.00	14.00
	F195	F19504	Selli-Seti R(District Border)-Saphe Ba	100.00	123.00	23.00	10.00	0.00	13.00	0.00	0.00	Р	F19504-A	100.00	110.00
													F19504-B	110.00	123.00
	H18	H1824	Rakam(Belkhet)-Mangalsen (Midhill)	945.00	993.00	48.00	0.00	0.00	48.00	0.00	0.00	н	H1824-A	945.00	993.00
	H18	H1825	Mangalsen-Safebagar (Midhill)	993.00	1,032	39.00	35.00	0.00	4.00	0.00	0.00	н	H1825-A	993.00	997.00
													H1825-B	997.00	1,032
		Total				150.00	85.00	0.00	65.00	0.00	0.00				

5.2 Regular Maintenance

🚯 ARMP-	Annual Road Maint	enance Pla	nning Ver 3	
System	Road Network	Rates	ARMP Map Help	
			Road Register	×.
			Regular Maintenance	•
			Periodic Maintenance	
			Responsive Maintenance	•
			Road Side Maintenance	•
			Emergency Maintenance	•
			Bridge Maintenance	•
			Rehabilitation	►
			Reconstruction	F
			Upgrading	×
			Summary	۲

5.2.1 Routine

🚯 ARMP-Annual Road Maintenance Planning Ver 3

System	Road Network	Rates	ARMP Map Help			
			Road Register	•		
			Regular Maintenance	•	Routine	
			Periodic Maintenance		Reactive	
			Responsive Maintenance	•	Combined	
			Road Side Maintenance	•	Bridge Routine	+
			Emergency Maintenance	•		
			Bridge Maintenance	•		
			Rehabilitation	•		
			Reconstruction	•		
			Upgrading	•		
			Summary	•		

Routine Screen

• 9 1	Routir	e Maintenar	ice													
D	ivisio	n: Baglung	I	✓ Load		R	outine M	laintenance							Ye	ar: 2019
		Road Ref No	Link Code	Link Name	Link From	Link To	Link Length	Link Section	Section From (Km)	Section To (Km)	Section Length (Km)	Terrain	Pavement Type	Pavement Width (m)	No of Lanes	Lane factor
	•	F042	F04207	Myagdi district border-Beni	80.00	90.00	10.00	F04207-A	80.00	90.00	10.00	н	GR	3.60	1	1.00
		F042	F04208	Beni-Pairothapla	90.00	124.00	34.00	F04208-A	90.00	124.00	34.00	н	ER	4.50	1	1.00
		F042	F04209	Pairothapla-Jomsong	124.00	170.00	46.00	F04209-A	124.00	170.00	46.00	н	ER	4.50	1	1.00
		F042	F04210	Jomsong-Ghoktang	170.00	292.00	122.00	F04210-A	170.00	292.00	122.00	н	ER	4.50	1	1.00
		F131	F13103	Setibeni-Gupteswor(Kaligandaki-Kus	30.00	85.00	55.00	F13103-A	30.00	40.00	10.00	н	STGB	4.00	1	1.00
								F13103-B	40.00	85.00	45.00	н	ER	4.50	1	1.00
		F133	F13301	Maldhunga-Beni	0.00	13.00	13.00	F13301-A	0.00	13.00	13.00	н	STGB	4.70	1	1.00
		F166	F16601	Kagbeni-Muktinath	0.00	26.00	26.00	F16601-A	0.00	26.00	26.00	н	ER	3.50	1	1.00
		F167	F16706	Palung Khola-Maldhunga (Kaligandak	207.00	245.00	38.00	F16706-B	211.00	245.00	34.00	н	ER	4.50	1	1.00
		F194	F19406	Darling(District Border)-Dhara(MH Ju	126.50	151.50	25.00	F19406-A	126.50	151.50	25.00	н	ER	4.50	1	1.00
		F194	F19407	Dhara(MH Junction)-Dhorpatan(Uttar	151.50	178.50	27.00	F19407-A	151.50	178.50	27.00	н	ER	4.50	1	1.00
		H18	H1838	Baglung-Ghoda Badh-Hatiya (Midhill)	797.00	842.00	45.00	H1838-A	797.00	798.00	1.00	н	STGB	3.75	1	1.00
								H1838-B	798.00	817.00	19.00	н	STGB	3.75	1	1.00
								H1838-C	817.00	830.00	13.00	н	GR	3.75	1	1.00
	c							H1838-D	830.00	842.00	12.00	н	FR	3 75	1	100 ¥
	Calo	culate														Save
					_				_							

- a) Select the Division and press 'Load'
- b) A decision has to be made to include or exclude the link from the routine maintenance based on the on-going project information. Reason for the excluding should be mentioned. The roads with PL or UC status are shown in red color and are automatically excluded.
- c) The routine maintenance of the earthen road is estimated at NRs 20,000 per km which also includes the recurrent maintenance. This is automatically calculated.
- d) After making changes, press save to record the changes.

e) Right click on the grid to export the data to Excel.

5.2.2 Reactive

🤨 ARMP-A	Annual Road Mainte	enance Pla	nning	g Ver 3						
System	Road Network	Rates	AR	MP M	lap	Help				
				Road R	Regis	ter				
				Regula	ar Ma	intenance		۶.	Routine	
				Periodi	ic Ma	aintenance			Reactive	
				Respor	nsive	Maintenand	се		Combined	+
				Road S	Side I	Maintenance	е	۲	Bridge Routine	- - -
				Emerge	ency	Maintenand	се	۲Ì		
				Bridge	Main	ntenance		۲		
				Rehabi	ilitatio	on		۲		
				Recons	struc	tion		۲		
				Upgrad	ding			۲		
				Summa	ary			۲		

Reactive Maintenance Screen

🖳 Re	active Mainte	nance												-	×
Div	ision: Baglu	ng	∽ Load	Read	ctive M	aintenar	nce for Bitumi	nous & (Gravel	Pavement				Year: 2019	
	Road Ref No	Link Code	Link Name	Link From	Link To	Link Length	Link Section	Section From (Km)	Section To (Km)	Section Length (Km)	RM Length (Km)	Last Resurface Year	Resurface Year Count	Pavement Type	Pave Width
	F042	F04207	Myagdi district border-Beni	80.00	90.00	10.00	F04207-A	80.00	90.00	10.00	10.00	9999	1	GR	
	F131	F13103	Setibeni-Gupteswor(Kaligandaki-Kus	30.00	85.00	55.00	F13103-A	30.00	40.00	10.00	10.00	9999	1	STGB	
	F133	F13301	Maldhunga-Beni	0.00	13.00	13.00	F13301-A	0.00	13.00	13.00	13.00	2014	5	STGB	
	H18	H1838	Baglung-Ghoda Badh-Hatiya (Midhill)	797.00	842.00	45.00	H1838-A	797.00	798.00	1.00	1.00	9999	1	STGB	
							H1838-B	798.00	817.00	19.00	19.00	9999	1	STGB	
•							H1838-C	817.00	830.00	13.00	13.00	9999	1	GR	
	H18	H1839	Hatiya-Kharbang (Midhill)	842.00	863.00	21.00	H1839-A	842.00	863.00	21.00	21.00	2017	2	STGB	
	H18	H1840	Kharbang-Burtibang (Midhill)	863.00	885.00	22.00	H1840-A	863.00	885.00	22.00	22.00	2018	1	STGB	
	H18	H1841	Burtibang-Devisthan (Midhill)	885.00	890.00	5.00	H1841-A	885.00	890.00	5.00	5.00	9999	1	STGB	
	H18	H1842	Devisthan-Nissi (Midhill)	890.00	905.00	15.00	H1842-A	890.00	905.00	15.00	15.00	9999	1	STGB	
	H18	H1843	Nisi-Partihalna(District Border) (Midhill)	905.00	927.00	22.00	H1843-A	905.00	927.00	22.00	22.00	9999	1	STGB	
			Division Total							151.00	151.00				
1															
														6-	
Ca	liculate													Sa	ve

- a) Select the Division and press 'Load'.
- b) Users are required to enter the length in "RM Length (Km)" column, % of potholes in "Adopted Pothole Area (%)" column, and % of potholes in shoulder in "Adopted Shoulder Area (%)" column.
- c) After making changes, click Calculate Tab and to save changes record, click Save tab.
- d) Right click on the grid to export the data to Excel.

5.2.3 Combined

\delta ARMP-/	Annual Road Maint	enance Pla	Innin	ig Ver 3		
System	Road Network	Rates	AF	RMP Map Help		
				Road Register	•	
				Regular Maintenance	•	Routine
				Periodic Maintenance		Reactive
				Responsive Maintenance	•	Combined +
				Road Side Maintenance	•	Bridge Routine
				Emergency Maintenance	+	
				Bridge Maintenance	•	
				Rehabilitation	•	
				Reconstruction	•	
				Upgrading	+	
				Summary	+	

Select Roads

ARMP-Annual Road Maintenance P	anning Ver 3	
System Road Network Rates	ARMP Map Help	
	Road Register	
	Regular Maintenance F	Routine
	Periodic Maintenance F	Reactive
	Responsive Maintenance	Combined
	Road Side Maintenance	Bridge Routine Combined Details
	Emergency Maintenance	
	Bridge Maintenance	
	Rehabilitation •	
	Reconstruction	
	Upgrading •	
	Summary •	

Com	bined Ma	aintenance: Select Road										
)ivisio	on: Baglung	v V Load										
RN	inks						Sele	ected Roads	for Combined Maintenance			
	Road	Road Name	From	То	Length	^		Road	Road Name	From	То	Lengt
•	F04204	Sandh bridge-Kaligandaki bridge	43.76	67.87	24.11		•	F04204	Sandh bridge-Kaligandaki br	43.76	67.8	7 24.1
	F04205	Kaligandaki bridge-Baglung	67.87	72.58	4.71			F04205	Kaligandaki bridge-Baglung	67.87	72.5	8 4.7
	F04206	Baglung-Myagdi district border	72.58	80.00	7.42			F04206	Baglung-Myagdi district border	72.58	80.0	0 7.4
	F04207	Myagdi district border-Beni	80.00	90.00	10.00							
	F04208	Beni-Pairothapla	90.00	124.00	34.00							
	F04209	Pairothapla-Jomsong	124.00	170.00	46.00							
	F04210	Jomsong-Ghoktang	170.00	292.00	122.00							
	F13103	Setibeni-Gupteswor(Kaligandaki	30.00	85.00	55.00							
	F13301	Maldhunga-Beni	0.00	13.00	13.00							
	F16601	Kagbeni-Muktinath	0.00	26.00	26.00							
	E16706	Palung Khola-Maldhunga (Kaliga	207.00	245.00	38.00							

- a) Select roads for combined maintenance i.e regular and reactive combined and carried out by the division office'.
- b) Provide details for each road similar to the regular and the reactive maintenance

Combined Details

🖳 Co	mbined Maint	tenance													×
Divi	sion: Baglur	ng	~ Load	Com	bined I	laintena	ince for Bitur	ninous P	avemei	nt		Yea	ar: 2019		
	Road Ref No	Link Code	Link Name	Link From	Link To	Link Length	Link Section	Section From (Km)	Section To (Km)	Section Length (Km)	RM Length (Km)	Last Resurface Year	Resurface Year Count	Pavement Type	P. W
۱.	F042	F04204	Sandh bridge-Kaligandaki bridge	43.76	67.87	24.11	F04204-A	43.76	59.58	15.82	15.82	2017	2	STGB	
							F04204-B	59.58	67.87	8.29	8.29	2016	3	STGB	
	F042	F04205	Kaligandaki bridge-Baglung	67.87	72.58	4.71	F04205-A	67.87	72.58	4.71	4.71	2016	3	STGB	
	F042	F04206	Baglung-Myagdi district border	72.58	80.00	7.42	F04206-A	72.58	74.21	1.63	1.63	2016	3	STGB	
							F04206-B	74.21	77.58	3.37	3.37	2014	5	STGB	
							F04206-C	77.58	80.00	2.42	2.42	2015	4	STGB	
			Division Total							36.24	36.24				
<															>
C	alculate													Save	•

5.2.4 Bridge Routine

🚯 ARMP-/	Annual Road Maint	enance Pla	nning	g Ver 3				
System	Road Network	Rates	AR	MP Map	Help			
			1	Road Regist	er	- F		
				Regular Mair	ntenance	•	Routine	
				Periodic Mai	ntenance		Reactive	
				Responsive I	Maintenance	- F	Combined	+
				Road Side N	laintenance	- F	Bridge Routine	•
				Emergency I	Maintenance	- F		
				Bridge Maint	enance	- +		
				Rehabilitation	n	- F		
				Reconstructi	on	- F		
				Upgrading		•		
				Summary		•		

Select Bridge

_

🧐 ARMP-A	Annual Road Mainte	enance Pla	inning Ver 3		
System	Road Network	Rates	ARMP Map Help		
			Road Register	•	
			Regular Maintenance	•	Routine
			Periodic Maintenance		Reactive
			Responsive Maintenance	•	Combined
			Road Side Maintenance	•	Bridge Routine Select Bridges
			Emergency Maintenance	•	View Summary
			Bridge Maintenance	•	
			Rehabilitation	•	
			Reconstruction	•	
			Upgrading	•	
			Summary	•	

Prepare Bridge Routine Details

Select the bridge to include in the routine maintenance or not. Reason for exclusion also should be mentioned if the bridge is not included for routine maintenance.

is	on Baglung	~	Load								
	Bridge ID	Bridge/River Name	Road Ref No	Road Name	Chainage	Total Span	Bridge Type	Included RM Span	Include in Routine Maintenance	Reason for Excluding	
	48-F042-0	Tangsara khola		NA	142.77	10	RCC T-Be	10.00			
	48-F042-0	Lange Khola		NA	148.43	14.8	RCC T-Be	14.80			
	48-F042-0	Syang Khola		NA	166.85	115	RCC T-Be	115.00			
	48-F042-0	Kaligandaki Khola		NA	177.177	47	RCC T-Be	47.00			
	48-F042-0	Lupra Khola		NA	176.306	51	RCC T-Be	51.00			
	48-F042-0	Kaligandaki Khola		NA	199.37	74	RCC T-Be	74.00			
	49-F042-0	Dhodino khola		NA	80.033	24	RCC T-Be	24.00			
	49-F042-0	Myagdi khola		NA	89.49	60.6	Steel Truss	60.60			
	49-F042-0	gharamadi khola		NA	107.434	6	RCC Slab	6.00			
	49-F042-0	Duwari Khola		NA	117.43	9	RCC Slab	9.00			
	49-F042-0	Rupse chango Khola		NA	121.319	8	RCC T-Be	8.00			
	49-F133-0	Kaligandaki Khola		NA	12.3	76.4	RCC T-Be	76.40			
	50-F132-0	Daram khola		NA	56.915	36.5	Steel Plat	36.50			
	50-F167-0	Galuwa/Dundure Khola		NA	240.855	7.4	RCC Slab	7.40			
	50-F167-0	Kathe Khola		NA	244.367	25.4	RCC T-Be	25.40			
	50 11040	Kolizondoki pul		510	0	444	Arch DCC	414.00			

View Routine Summary

Division	n Baglung	~ Load					
	Total Bridge Span (m)	Labour Quantity (md)	Labour Rate (NRs/md)	Direct Cost (NRs)	23% Fixed Overhead (NRs)	Annual Benefit (NRs)	Total Cost (NRs '000)
	1,772.15	1,617.09	586.77	948,859.90	218,237.78	0.00	1,167.10

5.3 Periodic Maintenance

🖲 ARMP-/	🚯 ARMP-Annual Road Maintenance Planning Ver 3								
System	Road Network	Rates	ARMP Map Help						
			Road Register	•					
			Regular Maintenance	→					
			Periodic Maintenance						
			Responsive Maintenance	•					
			Road Side Maintenance	→					
			Emergency Maintenance	→					
			Bridge Maintenance	→					
			Rehabilitation	→					
			Reconstruction	→					
			Upgrading	+					
			Summary	•					

Periodic maintenance requirement (Yes/No) is computed automatically based on the last year of resurface, traffic, SDI values. The current method is the one which is in practice in the DoR. The ARMP is already updated with the recent data on the pavement condition, traffic data and last re-surface year and also updated with the 2018 periodic plan. Decision can be made to include the road under periodic maintenance even the calculation shows "No" based on observation by the division. Right click on the grid to export the data to Excel

🖳 Peri	odic Main	tenance																- 0	×
Divisio	Baglung	Load					Peric	dic Ma	intenan	Ce									
Periodi	c Maintena	nce Worksheet																	
	Link Code	Link Name	From (Km)	To (Km)	Length (Km)	Pavement Type	Section From (Km)	Section To (Km)	Section Length (Km)	Pavement Width (m)	Pavement Area (sqm)	Terrain	Traffic Volumn Group	Year of Last surfacing	Age of surfacing (Year)	Road Condition	Maintenance cycle (Years)	ACF-Age Correction Factor	Time rese year
F	F04204	Sandh bridge-Kaligandaki br	43.76	59.58	15.82	STGB	0.00	0.00	0.00	5.00	0.00	н	Moderate	2017	2	Poor	6	-2	
		-	59.58	67.87	8.29	STGB	0.00	0.00	0.00	5.00	0.00	н	Moderate	2016	3	Poor	6	-2	
	F04205	Kaligandaki bridge-Baglung	67.87	72.58	4.71	STGB	0.00	0.00	0.00	5.00	0.00	н	Moderate	2016	3	Fair	6	0	
	F04206	Baglung-Myagdi district border	72.58	74.21	1.63	STGB	0.00	0.00	0.00	5.00	0.00	Н	Moderate	2016	3	Fair	6	0	
			74.21	77.58	3.37	STGB	0.00	0.00	0.00	5.00	0.00	н	Moderate	2014	5	Fair	6	0	
			77.58	80.00	2.42	STGB	77.58	80.00	2.42	5.00	12100.00	Н	Moderate	2015	4	Poor	6	-2	
	F13103	Setibeni-Gupteswor(Kaligan	30.00	40.00	10.00	STGB	0.00	0.00	0.00	4.00	0.00	н	Low	9999	0	Poor	6	-2	
	F13301	Maldhunga-Beni	0.00	13.00	13.00	STGB	0.00	13.00	13.00	4.70	61100.00	Н	Low	2014	5	Poor	6	-2	
	H1838	Baglung-Ghoda Badh-Hatiy	797.00	798.00	1.00	STGB	0.00	0.00	0.00	3.75	0.00	Н	Low	9999	0	Poor	6	-2	
			798.00	817.00	19.00	STGB	0.00	0.00	0.00	3.75	0.00	н	Low	9999	0	Poor	6	-2	
	H1839	Hatiya-Kharbang (Midhill)	842.00	863.00	21.00	STGB	0.00	0.00	0.00	3.75	0.00	Н	Low	2017	2	Good	6	2	
	H1840	Kharbang-Burtibang (Midhill)	863.00	885.00	22.00	STGB	0.00	0.00	0.00	3.75	0.00	н	Low	2018	1	Good	6	2	
	H1841	Burtibang-Devisthan (Midhill)	885.00	890.00	5.00	STGB	0.00	0.00	0.00	3.75	0.00	Н	Low	9999	0	Poor	6	-2	
	H1842	Devisthan-Nissi (Midhill)	890.00	905.00	15.00	STGB	0.00	0.00	0.00	3.75	0.00	н	Low	9999	0	Poor	6	-2	
	H1843	Nisi-Partihalna(District Borde	905.00	927.00	22.00	STGB	0.00	0.00	0.00	3.75	0.00	Н	Low	9999	0	Poor	6	-2	
		Total							15.42		73200.00								
<																			>
Cal	ulate																	Sa	ve

Periodic Maintenance Screen

5.4 Responsive Maintenance

🚯 ARMP-/	Annual Road Maint	enance Pla	ning Ver 3	
System	Road Network	Rates	ARMP Map Help	
			Road Register	•
			Regular Maintenar	ice 🕨
			Periodic Maintena	nce
			Responsive Mainte	enance 🕞 🕨
			Road Side Mainter	nance 🕨
			Emergency Mainte	enance 🕨
			Bridge Maintenand	e 🕨
			Rehabilitation	+
			Reconstruction	•
			Upgrading	+
			Summary	•

5.4.1 Select Links

ARMP-Annual Road Maintenance Planning Ver 3

System	Road Network	Rates	A	RMP Map Help		
				Road Register		
				Regular Maintenance	- F	
				Periodic Maintenance		
				Responsive Maintenance	•	Select Links
				Road Side Maintenance	•	Prepare Details
				Emergency Maintenance	•	View Summary
				Bridge Maintenance		
				Rehabilitation	- F	
				Reconstruction	- F	
				Upgrading	•	
				Summary	•	

Links requiring responsive maintenance should be selected using this tool. The work description should be provided and should not be repeated for the same link. It is better to mention responsive maintenance e.g. "Investigate & reconstruct failed section" etc. rather than putting generic description. The length of the section should also be provided.

Responsive Road Select Screen

		6 L .													
Resp	ionsive Koad	Select													
Resp	onsive M	laintenance: Select Road													
Divisio	n: Baglung	~ Load													
SRN L	inks						F	Respo	onsive Mair	ntenance Roads					
	Road Code	Road Name	From	То	Length	Pav ' Stat			Road Code	Road Name	Job Name	From	То		Length
•	F04204	Sandh bridge-Kaligandaki bridge	43.76	67.87	24.11			•	F04204	Sandh bridge-Kaligandaki br	test	45.00		60.00	15.00
	F04205	Kaligandaki bridge-Baglung	67.87	72.58	4.71		Ш								
	F04206	Baglung-Myagdi district border	72.58	80.00	7.42		Ш								
	F04207	Myagdi district border-Beni	80.00	90.00	10.00		Ш								
	F04208	Beni-Pairothapla	90.00	124.00	34.00		Ш								
	F04209	Pairothapla-Jomsong	124.00	170.00	46.00		Ш								
	F04210	Jomsong-Ghoktang	170.00	292.00	122.00		Ш								
	F13103	Setibeni-Gupteswor(Kaligandaki	30.00	85.00	55.00		Ш								
	F13301	Maldhunga-Beni	0.00	13.00	13.00		Ш								
	F16601	Kagbeni-Muktinath	0.00	26.00	26.00	•	1								
<						>									
Road	Code F04	1204 Name of Road S	andh bridge-K	aligandaki bri	dge										
	n Invo	actigate & reconstruct failed section													
WORK	Desc inve	estigate a reconstruct failed section													
Work	From	45 Work To 60	CH From 43	.76 To 67.87	Add	New		Delet	e Sav	е					

5.4.2 Prepare Details

🚯 ARMP-Annual Road Maintenance	Planning Ver 3	
System Road Network Rate	ARMP Map Help	
	Road Register	•
	Regular Maintenance	→
	Periodic Maintenance	
	Responsive Maintenance	Select Links
	Road Side Maintenance	 Prepare Details
	Emergency Maintenance	 View Summary
	Bridge Maintenance	•
	Rehabilitation	→
	Reconstruction	→
	Upgrading	→
	Summary	→

Under each of the selected link and the work description, details should be prepared. Standard items will be available and quantities should be provided. The total cost is automatically computed. Right click on the grid to export entire details data to Excel

🖳 Responsive Maintenane Details	
Responsive Maintenance Works: Details	
Division Baglung	
Link Code/Name F04204 : Sandh bridge-Kaligandaki bridge 🗸	
Name of Job test ~	Work From 45 To 60
Activity No. Description of Work	Unit Quantity Rate Amount
RS-008 Thin asphalt concrete overlay	sqm 500 1,200.00 600,000.00
Activity Group Responsi V Activity No RS-001:Cape seal	Sub-Total 600,000.00
Work Desc Cape seal	Contingencies 5% 30,000.00
Unit sqm Quantity Rate 0 Amount 0	Total with Contingencies 630,000.00
	VAT 13% 81,900.00
Add New Delete Save	Total (With VAT & Contingencies) 711,900.00

5.4.3 View Summary

🚯 ARMP-	Annual Road Maint	enance Pla	nnin	g Ver 3			
System	Road Network	Rates	AR	MP Map Help			
				Road Register		-	
				Regular Maintenance			
				Periodic Maintenar	nce		
				Responsive Mainte	enance	•	Select Links
				Road Side Mainter	nance	•	Prepare Details
				Emergency Mainte	enance	+	View Summary
				Bridge Maintenanc	e	-	
				Rehabilitation		+	
			Reconstruction			+	
				Upgrading		+	
				Summary		+	

Provides the summary of the responsive maintenance works. Right click on the grid to export the data to Excel.

🖳 Re	Responsive Maintenance Summary										
Su	Summary of Responsive Maintenance										
Di	Division Baglung										
	Road Code	Road Name	From	То	Length	Work Description	Work From	Work To	Work Length	Total Cost (NRs)	
•	F04204	Sandh bridge-Kaligandaki bridge	43.76	67.87	24.11	test	45.00	60.00	15.00	711,900.00	
	Total									711,900.00	

5.5 Road Side Maintenance

🚯 ARMP-/	Annual Road Maint	enance Pla	nning Ver 3	
System	Road Network	Rates	ARMP Map Help	
			Road Register	•
			Regular Maintenance	•
			Periodic Maintenance	
			Responsive Maintenance	•
			Road Side Maintenance	•
			Emergency Maintenance	•
			Bridge Maintenance	•
			Rehabilitation	•
			Reconstruction	•
			Upgrading	•
			Summary	•

5.5.1 Select Links

🚯 armp-/	🚯 ARMP-Annual Road Maintenance Planning Ver 3								
System	Road Network	Rates	AF	RMP Map Help		_			
				Road Register					
				Regular Maintenance					
				Periodic Maintenance					
				Responsive Maintenance	•				
				Road Side Maintenance	•	Select Links			
				Emergency Maintenance	×	Prepare Details			
				Bridge Maintenance	•	View Summary			
				Rehabilitation	•				
			Reconstruction		•				
			Upgrading		•				
				Summary	×				

Links requiring road side maintenance should be selected using this tool. The work description should be provided and should not be repeated for the same link. It is better to mention road side maintenance e.g. "Revetment wall in ms slope" etc. rather than putting generic description. The length of the section should also be provided.

Road Side Maintenance Select Screen

🖳 Roa	d SideMainter	nance Road Select											• ×
Roa	d Side Ma	intenance: Select Road											
Divisio	n: Baglung	 ✓ Load 											
SRN I	inks							Road Side Mainte	enance Roads				
	Road Code	Road Name	From	То	Length	Pav ^ Stat		Road Code	Road Name	Job Name	From	То	Length
	F04204	Sandh bridge-Kaligandaki bridge	43.76	67.87	24.11			▶ F04204	Sandh bridge-Kaligandaki br	Test	44.00	67.00	23.00
•	F04205	Kaligandaki bridge-Baglung	67.87	72.58	4.71		Ш						
	F04206	Baglung-Myagdi district border	72.58	80.00	7.42		Ш						
	F04207	Myagdi district border-Beni	80.00	90.00	10.00		Ш						
	F04208	Beni-Pairothapla	90.00	124.00	34.00		Ш						
	F04209	Pairothapla-Jomsong	124.00	170.00	46.00		Ш						
	F04210	Jomsong-Ghoktang	170.00	292.00	122.00		Ш						
	F13103	Setibeni-Gupteswor(Kaligandaki	30.00	85.00	55.00		Ш						
	F13301	Maldhunga-Beni	0.00	13.00	13.00		Ш						
	F16601	Kagbeni-Muktinath	0.00	26.00	26.00	~	11						
<						>							
Roa	Code F04	4205 Name of Road K	aligandaki brid	ige-Baglung									
Work	Desc Rev	vetment wall in ms slope											
Work	From	65 Work To 70	CH From 67	.87 To 72.58	Add	New		Delete					

5.5.2 Prepare Details

🚯 ARMP-A	Annual Road Maint	enance Pla	anning Ver 3	3			
System	Road Network	Rates	ARMP	Map	Help		
			Roa	d Regist	er	+	
			Reg	jular Mair	tenance	+	
			Peri	iodic Mai	ntenance		
			Res	ponsive I	Maintenance	•	
			Roa	ad Side M	aintenance	•	Select Links
			Em	ergency I	Maintenance	•	Prepare Details
			Brid	lge Maint	enance	•	View Summary
			Reh	abilitatio	ı	+	
			Rec	onstructi	on	+	
			Upg	grading		•	
			Sun	nmary		+	

Under each of the selected link and the work description, details should be prepared. Standard items will be available and quantities should be provided. The total cost is automatically computed. Right click on the grid to export entire details data to Excel

	ad Side Mainte	enance Details									
Ro	ad Side M	laintenance Works:	Details								
	Division	Baglung	~ Load								
Link	Code/Name	F04204 ; Sandh bridge-K	aligandaki bridge		~	1					
	Name of Job	Test			~]	di Faran			1	
	Activity N	Description of W/	ark			Unit	Quantity	44 IC	0 0/	Amount	
	RM-001	Bio Engineering V	/orks			sam	Quantity	5	500.00	Amount	2.500.00
	triti Cours	Proof Side Article Ma	DM 001915 Engine	ring Works					Sub-Total		2,500.00
Act	tivity Group	Road Sid: ~ Activity No	RM-001:Bio Enginee	ring Works		~		Conting	Sub-Total gencies 5%		2,500.00
Act	tivity Group Work Desc	Road Sid: -> Activity No Bio Engineering Works	RM-001:Bio Enginee	ring Works		~		Conting	Sub-Total gencies 5% ntingencies		2,500.00 125.00 2,625.00
Act	tivity Group Work Desc Unit	Road Sidi ~ Activity No Bio Engineering Works sqm Quantity	RM-001:Bio Enginee	ring Works	int (~		Conting	Sub-Total gencies 5% ntingencies VAT 13%		2,500.00 125.00 2,625.00 341.25

5.5.3 View Summary

\land ARMP-/	Annual Road Maint	enance Pla	inning Ve	r 3				
System	Road Network	Rates	ARMP	Мар	Help			
			R	oad Regi	ster	•		
			R	egular Ma	aintenance	+		
			P	eriodic M	aintenance			
			R	esponsiv	e Maintenan	ce 🕨		
			R	oad Side	Maintenanc	e 🕨		Select Links
			E	mergency	y Maintenan	ce 🕨		Prepare Details
			В	ridge Mai	ntenance	•		View Summary
			R	ehabilitat	ion	•	-	
			R	econstrue	ction	+		
			U	pgrading		+		
			S	ummary		+		

Provides the summary of the road side maintenance works. Right click on the grid to export the data to Excel.

🛛 Ro	ad Side Mainte	enance Summary								- • •
Su	mmary of	Road Side Maintenance								
Div	ision Baglu	ing ~ Load								
	Road Code	Road Name	From	То	Length	Work Description	Work From	Work To	Work Length	Total Cost (NRs)
•	F04204	Sandh bridge-Kaligandaki bridge	43.76	67.87	24.11	Test	44.00	67.00	23.00	2,966.25
	Total									2,966.25

_

5.6 Emergency Maintenance

🎨 ARMP-	Annual Road Maint	enance Pla	nning	Ver 3			
System	Road Network	Rates	ARI	MP	Мар	Help	
				Roa	d Regis	ster	►
				Reg	jular Ma	aintenance	►
				Per	iodic M	aintenance	
				Res	ponsive	e Maintenance	►
				Roa	d Side	Maintenance	►
				Em	ergency	/ Maintenance	•
				Brid	lge Mai	ntenance	►
				Reh	abilitati	on	►
				Rec	onstruc	tion	►
				Upg	rading		►
				Sun	nmary		►

5.6.1 Select Links

ARMP-Annual Road Maintenance Planning Ver 3

System	Road Network	Rates	ARMP	Мар	Help		
			Roa	ad Regis	ter	- +	
			Reg	jular Mai	intenance	- +	
			Per	iodic Ma	iintenance		
			Res	ponsive	Maintenance	+	
			Roa	ad Side M	Vaintenance	-	
			Em	ergency	Maintenance	•	Select Link
			Brid	lge Main	tenance	•	Prepare Details
			Reh	abilitatio	on		View Summary
			Rec	construct	tion	- +	
			Upg	grading		+	
			Sur	nmary		+	

ad Road Name	From	-				Roads under Emerg	dency Maintenance				
0.4 Condit bridge Melleendeld		10	Length	Pav / Stat	Ì	Road Code	Road Name	Job Name	From	То	Lengt
204 Sandh bhuge-Kaligandaki	bridge 43.76	67.87	24.11								
205 Kaligandaki bridge-Baglun	g 67.87	72.58	4.71								
206 Baglung-Myagdi district bor	rder 72.58	80.00	7.42								
207 Myagdi district border-Beni	80.00	90.00	10.00								
208 Beni-Pairothapla	90.00	124.00	34.00								
209 Pairothapla-Jomsong	124.00	170.00	46.00								
210 Jomsong-Ghoktang	170.00	292.00	122.00								
103 Setibeni-Gupteswor(Kaliga	ndaki 30.00	85.00	55.00								
301 Maldhunga-Beni	0.00	13.00	13.00								
501 Kagbeni-Muktinath	0.00	26.00	26.00		-11						
20 20 20 20 21 30 30	66 Baglung-Myagdi district bord 77 Myagdi district border-Beni 88 Beni-Pairothapla 99 Pairothapla-Jomsong 0 Jomsong-Ghoktang 13 Setibeni-Gupteswor(Kaliga 14 Maldhunga-Beni 15 Kagbeni-Muktinath	66 Baglung-Myagdi district border 72.58 77 Myagdi district border-Beni 80.00 88 Beni-Pairothapla 90.00 99 Pairothapla-Jomsong 124.00 0 Jomsong-Ghoktang 177.00 13 Setibeni-Gupteswor(Kaligandaki 30.00 14 Maldhunga-Beni 0.00 15 Kagbeni-Muktinath 0.00	66 Baglung-Myagdi district border: 72.58 80.00 77 Myagdi district border-Beni 80.00 90.00 88 Beni-Pairothapla 90.00 124.00 99 Pairothapla-Jomsong 124.00 170.00 90 Jomsong-Choktang 170.00 292.00 131 Setibeni-Gupteswor(Kaligandaki 30.00 85.00 14 Maldhunga-Beni 0.00 13.00 14 Kagbeni-Mukthnath 0.00 26.00	66 Baglung-Myagdi district border 72.58 80.00 7.42 77 Myagdi district border-Beni 80.00 90.00 10.00 88 Beni-Pairothapla 90.00 124.00 34.00 99 Pairothapla-Jomsong 124.00 170.00 46.00 0 Jomsong-Ghoktang 170.00 25.00 55.00 13 Setibeni-Gupteswort(Kaligandaki 30.00 85.00 55.00 14 Kagbeni-Muktinath 0.00 26.00 26.00	66 Baglung-Myagdi district border 72.58 80.00 7.42 77 Myagdi district border-Beni 80.00 90.00 10.00 88 Beni-Pairothapla 90.00 124.00 34.00 99 Pairothapla-Jomsong 124.00 142.00 42.00 0 Jomsong-Choktang 170.00 282.00 122.00 13 Setibeni-Gupteswor(Kaligandaki 30.00 85.00 55.00 11 Maldhunga-Beni 0.00 13.00 13.00 14 Kagbeni-Mukthnath 0.00 26.00 T	66 Baglung-Myagdi district border 72.58 80.00 7.42 77 Myagdi district border-Beni 80.00 90.00 10.00 88 Beni-Pairothapla 90.00 124.00 34.00 99 Pairothapla-Jomsong 124.00 170.00 46.00 0 Jomsong-Ghoktang 170.00 292.00 122.00 13 Setibeni-Gupteswor(Kaligandaki 30.00 85.00 55.00 14 Madohunga-Beni 0.00 13.00 26.00 v	66 Baglung-Myagdi district border 72.58 80.00 7.42 77 Myagdi district border-Beni 80.00 90.00 10.00 88 Beni-Pairothapla 90.00 124.00 34.00 99 Pairothapla-Jomsong 124.00 170.00 46.00 0 Jomsong-Ghoktang 170.00 292.00 122.00 13 Setbeni-Gupteswort(Kaligandaki 30.00 85.00 55.00 14 Maldhunga-Beni 0.00 13.00 26.00 ¥	66 Baglung-Myagdi district border: 72.58 80.00 7.42 77 Myagdi district border: 80.00 90.00 10.00 88 Benl-Pairothapla 90.00 124.00 34.00 99 Pairothapla-Jomsong 124.00 170.00 46.00 0 Jomsong-Choktang 170.00 292.00 122.00 13 Setibeni-Gupteswor(Kaligandaki 30.00 85.00 55.00 14 Kagbeni-Muktinath 0.00 26.00 v	66 Baglung-Myagdi district border: 72.58 80.00 7.42 77 Myagdi district border: 80.00 90.00 10.00 88 Benl-Pairothapla 90.00 124.00 99 Pairothapla-Jornsong 124.00 144.00 00 Jornsong-Choktang 170.00 428.00 101 Jornsong-Choktang 170.00 85.00 111 Maldhunga-Beni 0.00 13.00 121 Kagbeni-Mukthnath 0.00 26.00	66 Baglung-Myagdi district border 72.58 80.00 7.42 77 Myagdi district border-Beni 80.00 90.00 10.00 88 Beni-Pairothapla 90.00 124.00 34.00 99 Pairothapla-Jomsong 124.00 140.00 140.00 0 Jomsong-Ghoktang 170.00 282.00 122.00 13 Setbeni-Gupteswor(Katigandaki 30.00 85.00 55.00 14 Maldhunga-Beni 0.00 13.00 28.00	66 Baglung-Myagdi district border 72.58 80.00 7.42 77 Myagdi district border-Beni 80.00 90.00 10.00 88 Beni-Parlombapla 90.00 124.00 70.00 99 Parlombapla-Jomsong 124.00 170.00 46.00 00 Jomsong-Ghoktang 170.00 292.00 122.00 13 Settleeni-Gupteswor(Kaligandaki 30.00 85.00 55.00 14 Maldhunga-Beni 0.00 13.00 13.00

5.6.2 Prepare Details

🚯 ARMP-/	Annual Road Mainte	enance Pla	nnin	ig Ver 3				
System	Road Network	Rates	AF	RMP Map H	lelp			
				Road Register		⇒ I		
				Regular Mainte	enance	- F		
				Periodic Maint	enance			
				Responsive Ma	aintenance	-		
				Road Side Mai	intenance	+		
				Emergency Ma	aintenance	•	Select Link	
				Bridge Mainter	nance	•	Prepare Details	
				Rehabilitation		+	View Summary	
				Reconstruction	n	->		
				Upgrading		->		
				Summary		+		

🖳 Emergency Ma	intenance Details			
Emergency I	Maintenance Works: Details			
Division	Baglung V Load			
Link Code/Name	~			
Name of Job	~	We	ork From To	
Activity N	o. Description of Work	Unit	Quantity Rate	Amount
			1	Sub-Total
Activity Group	Emergenc Activity No EM-001:Construction of diversion	~	Continge	encies 5%
Work Desc	Construction of diversion		Total with Cont	ingencies
Unit	Km Quantity Rate 0 Amount (0.00		VAT 13%
Add New	Delete	P	Total (With VAT & Conti	ngencies)

5.6.3 View Summary

Divisio	Baglun	9	~ Load								Ref
	Road Code	Road Name		From	То	Length	Work Description	Work From	Work To	Work Length	Total Cost (NRs)
	Total										0.

5.7 Bridge Maintenance

🚯 ARMP-/	Annual Road Mainte	enance Pla	nnin	g Ver 3	3		
System	Road Network	Rates	AR	MP	Мар	Help	
				Roa	ad Regis	ter	- +
				Reg	jular Ma	intenance	- •
				Per	iodic Ma	aintenance	
				Res	ponsive	Maintenance	→
				Roa	ad Side	Maintenance	- •
				Em	ergency	Maintenance	- +
				Brid	lge Mair	ntenance	•
				Reh	abilitati	on	+
				Rec	construc	tion	+
				Upg	grading		
				Sur	nmary		- •

5.7.1 Select Bridge

🚯 ARMP-Annual Road Maintenance Pla	anning Ver 3		
System Road Network Rates	ARMP Map Help		
	Road Register	+	
	Regular Maintenance	+	
	Periodic Maintenance		
	Responsive Maintenance	+	
	Road Side Maintenance	•	
	Emergency Maintenance	•	
	Bridge Maintenance	•	Select Bridges
	Rehabilitation	•	Prepare Details
	Reconstruction	•	View Summary
	Upgrading	•	
	Summary	+	

Select Bridge for Minor Maintenance

Select the bridges for minor maintenance and also provide the work descriptions. If same bridge is used for different works, the work description should be different.

Select Minc	t Bridge for Mir or Bridge N	nor Maintenance Mainteannce: Sele	ect Bridg	e						×
Divisi	on: Baglung	~ L	.oad							
SSRN	Bridges				S	elected Bri	dges			
	Bridge ID	Bridge/River Name	Road Ref No	Road Name	Chai	Bridge ID	Bridge/River Nam	e Job Name	Road Ref No	R
•	48-F042-033	Tangsara khola		NA		48-F04	2-030 NA		NA	NA
	48-F042-036	Lange Khola		NA						
	48-F042-039	Syang Khola		NA						
	48-F042-046	Kaligandaki Khola		NA	1					
	48-F042-047	Lupra Khola		NA						
	48-F042-050	Kaligandaki Khola		NA						
	49-F042-019	Dhodino khola		NA						
	49-F042-020	Myagdi khola		NA						
	49-F042-024	gharamadi khola		NA						
<		D 100 1			>	c				>
			222			-				-
Bridge	e ID 48-F0	042-033 Bridge Na	ame Tangsa	ara khola	Road Ref No	Road Nam	e NA		Chainage 142.77	7
Work	Desc					Bridge Typ	RCC T-Beam		Total Span 10	0
Ac	dd New D								Save	

Right click on the bridge can bring bridge details from the condition assessment under the BMS. The view photographs option will take to the detailed photographs available for the bridge and other menus provides access to the bridge condition.

1		2010 101010		alara bagiang			_
	48-F042-033	Tangsara Khola	F042 Pol	thara - Baglung	- Beni - Joms	om	
•	48-F042-035	Boksi Khola	F042 Pol	khara - Baglung	- Beni - Joms		
	48-F042-037	Tucl View Photograph	IS	Baglung	- Beni - Joms	iom	
	48-F042-040	Kalig View Condition R	lating	Baglung	- Beni - Joms	om	-
	49-F042-019	Dho View General Info	and Others	Baglung	- Beni - Joms	om	
	49-F042-020	Myagdi Khola	F042 Pol	khara - Baglung	- Beni - Joms	iom	
	49-F042-021	Galeshor Raganganga Khola	F042 Pol	khara - Baglung	- Beni - Joms	om	
	49-F042-022	Beg Khola	F042 Pol	khara - Baglung	- Beni - Joms	iom	
<			50 C C		n · ·		> [*]
Bridge	ID 48-F0	42-035 Bridge Name	Boksi Khola	3	F	Road Ref No	F042
Work	Desc						

	Dagiding		Luau											
SRN	Bridges						Selec	ted Bridges				_	Deed	_
	Bridge	Bridge/River Name	Road Ref No	Road Name		Chai		ID	Bridge/River Name	Job Name			Ref No	R
	48-F042-030	Lete Khola	E042	Pokhara - Baoluor	- Beni - Jomsom -	-	•	51-F042-013	Modi Khola (Dimuwa)	Minor Maintenance of Bridg	е	F	042	Po
	48-F042-033	Tangsara Khola	F042	Pokhara - Bagluni	- Beni - Jomsom			51-F042-014	Pati Khola	Minor Maintenance of Bridg	e	F	042	Po
•	48-F042-035	Boksi Khola	F042	Pokhara - Baglun	g - Beni - Jomsom			51-F042-016	Ambote Khola	Minor Maintenance of Bridg	e	1	042	Po
	48-F042-037	Tuckche Khol	50.00		D · · ·			51-F042-018	Khahare Khola 2	Minor Maintenance of Bridg	e		-042	PO
	48-F042-040	Kaligandaki K	View							-	U .	×	33	Ma
	49-F042-019	Dhodino Khol										~	33	Ma
	49-F042-020	Myagdi Khola	DETAIL	-	48-F042	2-035	Boks	i Khola					33	Ma
	49-F042-021	Galeshor Rag												
	49-F042-022	Beg Khola			Photos:									
ζ.			General I	nformation										>
Bridge	D 48-F0	142-035	>		Abutmont/Di	orc.							14	2 558
			Foundatio	ons >	Abuthentippi	ers.								42
WORK	Desc		Abutmon	to and Diare	and the second	1999 (M) (M)							-	
Ad	ld New D	Nelete	Abuumen	ts and Piers		-							Sav	e
			>		1. A. C.	and the second		and a star						
			Bearings	>	al	TERM	a2	Service Pression	J.					
			Expansion	n loints			012							
			Super str	ucture >										
			Super str	ucture (Deck	Bearings:									
			Only) >		ALLER STATE	10						~	1	

5.7.2 Prepare Detail

🚯 ARMP-/	Annual Road Maint	enance Plan	nning Ver 3					
System	Road Network	Rates	ARMP	Мар	Help			
			Road	Regist	er	- +		
			Regul	ar Mai	ntenance			
			Period	dic Mai	intenance			
			Respo	onsive	Maintenance	+		
			Road	Side N	laintenance	+		
			Emerg	gency	Maintenance	+		
			Bridge	e Maint	tenance	•	Sel	ect Bridges
			Rehat	bilitatio	n	•	Pre	pare Details
			Recor	nstruct	ion		Vie	w Summary
			Upgra	ding		+	_	
			Sumn	nary		•		

Details of Bridge I	Maiintenance									- (•
Bridge Maint	enane Details										
Division: Baolun	a		Load								
Bridge Selection	.9										
Bridge NA:48-F	042-030				~	Job Description					~
Indge	042 000			100 11		1					-
Road Name NA	A			Chaina	ge 0	Bridge Type		NA Tota	Span	No of Span	
									na na ser a		
Activity Gr	roup Activity No		Description	of Work			Unit Qu	Jantity	Rate	Amount	_
Activity Group	Bridge № ✓ Activ	ty No	BM-001:Crack	Repairs					Sub-	-Total	
Activity Group (Work Desc	Bridge № ✓ Activ Crack Repairs	ty No	BM-001:Crack	Repairs					Sub-	-Total	
Activity Group (Work Desc Unit	Bridge N 🗸 Activ Crack Repairs Sqm Qua	ty No ntity	BM-001:Crack	Repairs Rate	200	Amount	0.0	Total w	Sub- Contingencie: ith Contingenc	-Total 5 5% ies	
Activity Group Work Desc Unit	Bridge № ✓ Activ Crack Repairs sqm Qua	ty No ntity	BM-001:Crack	Repairs	200	Amount	0.0	> 00 Total w	Sub- Contingencie: ith Contingenc VAT 1:	-Total 5 5% ies 3%	

SOFTWEL (P) Ltd

5.7.3 View Summary

🚯 ARMP-	Annual Road Maint	enance Pla	nning	g Ver 3				
System	Road Network	Rates	AR	MP Map	Help			
				Road Regi	ster	•		
				Regular M	aintenance	•		
				Periodic M	aintenance			
				Responsiv	e Maintenance	•		
				Road Side	Maintenance	•		
				Emergenc	y Maintenance	•		
				Bridge Mai	ntenance	•		Select Bridges
				Rehabilitat	ion	•		Prepare Details
				Reconstru	ction	•		View Summary
				Upgrading		•	-	
				Summary		•		

Bridg Brid	ge Maintenance Su I ge Maintenar	nmary nce Summary					- 8
Divis	sion Baglung	~	Load				
	Bridge ID	Bridge Name	Minor Work Description	Road Ref No	Road Name	Chainage	Total Cost (NRs)
	48-F042-030	NA	test	NA	NA	0.00	11,865.00
	Total						11,865.00

5.8 Rehabilitation

🚯 ARMP-/	Annual Road Maint	enance Pla	nning	g Ver 3	;		
System	Road Network	Rates	AR	MP	Map	Help	
				Roa	id Regis	ter	+
				Reg	jular Ma	intenance	•
				Per	iodic Ma	aintenance	
				Res	ponsive	Maintenance	+
				Roa	id Side	Maintenance	+
				Em	ergency	Maintenance	+
				Brid	lge Mair	ntenance	+
				Reh	abilitati	on	•
				Rec	onstruc	tion	•
				Upg	rading		+
				Sur	nmary		+

5.8.1 Select Links

🚯 armp-/	Annual Road Maint	enance Pla	nnin	g Ver 3		
System	Road Network	Rates	AF	RMP Map Help		
				Road Register	+	
				Regular Maintenance	•	
				Periodic Maintenance		
				Responsive Maintenand	e ⊧	
				Road Side Maintenance	• •	
				Emergency Maintenand	e ⊧	
				Bridge Maintenance	•	
				Rehabilitation	•	Select Links
				Reconstruction	•	Prepare Details
				Upgrading	•	View Summary
				Summary	•	

Links requiring rehabilitation should be selected using this tool. The work description should be provided and should not be repeated for the same link. The length of the section should also be provided.

RN	inks						Rehabilitation R	oads				
	Road Code	Road Name	From	То	Length	Pav ^ Sta	Road Code	Road Name	Job Name	From	То	Length
	F04204	Sandh bridge-Kaligandaki bridge	43.76	67.87	24.11							
	F04205	Kaligandaki bridge-Baglung	67.87	72.58	4.71							
	F04206	Baglung-Myagdi district border	72.58	80.00	7.42							
	F04207	Myagdi district border-Beni	80.00	90.00	10.00							
	F04208	Beni-Pairothapla	90.00	124.00	34.00							
	F04209	Pairothapla-Jomsong	124.00	170.00	46.00							
	F04210	Jomsong-Ghoktang	170.00	292.00	122.00							
	F13103	Setibeni-Gupteswor(Kaligandaki	30.00	85.00	55.00							
	F13301	Maldhunga-Beni	0.00	13.00	13.00							
	F16601	Kagbeni-Muktinath	0.00	26.00	26.00	~						

5.8.2 Prepare Details

🚯 ARMP-	Annual Road Maint	enance Pla	Innin	g Ver 3			
System	Road Network	Rates	AR	RMP Map H	Help		
				Road Register	r	+	
				Regular Maint	enance	+	
				Periodic Maint	tenance		
				Responsive M	aintenance	+	
				Road Side Ma	intenance	+	
				Emergency M	aintenance	+	
				Bridge Mainte	nance	+	
				Rehabilitation		•	Select Links
				Reconstructio	n	•	Prepare Details
				Upgrading		•	View Summary
				Summary		+	

Under each of the selected link and the work description, details should be prepared. Standard items will be available and quantities should be provided. The total cost is automatically computed. Right click on the grid to export entire details data to Excel

tehabilitatio	orks Details	s: Details										
Division	n Baglung		~	Load								
nk Code/Name	•						~					
Name of Job	b						~	Wo	rk From	То		
Activity	No. E	escription of	Work					Unit	Quantity	Rate	Amo	ount
Activity Group	Rehab	 Activity I 	lo RH-001:Reh	ab-Road S	urface/AC					Sub-T	Fotal	
Activity Group Work Desc	Rehab Rehab-R	Activity I oad Surface/A	lo RH-001:Reh	iab-Road Si	urface/AC			~		Sub-T Contingencies	Fotals 5%	
Activity Group Work Desc Unit	Rehab Rehab-R sqm	 Activity I oad Surface// Quantity [No RH-001:Reh	nab-Road Si Rate	urface/AC	Amount		~	Tot	Sub-T Contingencies tal with Contingen	Fotal	
Activity Group Work Desc Unit	Rehab Rehab-R sqm	 Activity I oad Surface/A Quantity [Vo RH-001:Reh	ab-Road Si Rate	urface/AC 0	Amount		× 1.00	Tot	Sub-T Contingencies tal with Contingen VAT	Total	

5.8.3 View Summary

🖲 ARMP-A	Annual Road Maint	enance Pla	nning Ver	3					
System	Road Network	Rates	ARMP	Мар	Help				
			Ro	ad Regis	ster		•		
			Re	gular Ma	aintenance		•		
			Pe	riodic M	aintenance	е			
			Re	sponsive	e Maintena	ance	•		
			Ro	ad Side	Maintenan	псе	+		
			Em	nergency	/ Maintena	ance	•		
			Bri	dge Mai	ntenance		+		
			Re	habilitati	on		•		Select Links
			Re	construc	tion		•		Prepare Details
			Up	grading			•		View Summary
			Su	mmary			•	-	

Provides the summary of the rehabilitation works. Right click on the grid to export the data to Excel

🖳 Su	mmary of Rehab	ilitation Works									- • ×
Su	mmary of F	Rehabilitation W	lorks								
Di	ision Baglung	1	~ Load								Refresh
Γ	Road Code	Road Name		From	То	Length	Work Description	Work From	Work To	Work Length	Total Cost (NRs)
F	Total										0.00

5.9 Reconstruction

🚯 ARMP-/	Annual Road Mainte	enance Pla	nning Ver 3	
System	Road Network	Rates	ARMP Map Help	
			Road Register	۲
			Regular Maintenance	×
			Periodic Maintenance	
			Responsive Maintenance	×
			Road Side Maintenance	×
			Emergency Maintenance	×
			Bridge Maintenance	×
			Rehabilitation	×
			Reconstruction	×
			Upgrading	×
			Summary	۲

5.9.1 Select Links

ails
ary

Links requiring reconstruction should be selected using this tool. The work description should be provided and should not be repeated for the same link. The length of the section should also be provided.

ks						Rec	onstruction Ro	ads				
Road Code	Road Name	From	То	Length	Pav ^ Sta		Road Code	Road Name	Job Name	From	То	Length
04204	Sandh bridge-Kaligandaki bridge	43.76	67.87	24.11								
04205	Kaligandaki bridge-Baglung	67.87	72.58	4.71								
04206	Baglung-Myagdi district border	72.58	80.00	7.42								
04207	Myagdi district border-Beni	80.00	90.00	10.00								
04208	Beni-Pairothapla	90.00	124.00	34.00								
04209	Pairothapla-Jomsong	124.00	170.00	46.00								
04210	Jomsong-Ghoktang	170.00	292.00	122.00								
13103	Setibeni-Gupteswor(Kaligandaki	30.00	85.00	55.00								
13301	Maldhunga-Beni	0.00	13.00	13.00								
16601	Kagbeni-Muktinath	0.00	26.00	26.00	~							
	Road Code 04204 04205 04206 04207 04208 04209 04210 13103 13301 16601	Road Road Name Ode Sandh bridge-Kaligandaki bridge 04204 Sandh bridge-Kaligandaki bridge 04205 Kaligandaki bridge-Baglung 04206 Baglung-Myagdi district border 04207 Myagdi district border-Beni 04208 Beni-Pairothapla 04209 Pairothapla-Jomsong 04210 Jomsong-Ghoktang 13103 Setibeni-Gupteswor(Kaligandaki 13301 Maldhunga-Beni 16601 Kaqbeni-Muklimath	Road Road Name From Ode Sandh bridge-Kaligandaki bridge 43.76 04204 Sandh bridge-Kaligandaki bridge 43.76 04205 Kaligandaki bridge-Baglung 67.87 04206 Baglung-Myagdi district border 72.58 04207 Myagdi district border-Beni 80.00 04208 Beni-Pairothapla 90.00 04209 Pairothapla-Jomsong 124.00 04210 Jonsong-Ghoktang 170.00 13103 Setibeni-Gupteswor(Kaligandaki 30.00 13301 Maldhunga-Beni 0.00 16601 Kadpeni-Muktinath 0.00	Road Name From To Odde Sandh bridge-Kaligandaki bridge 43.76 67.87 04204 Sandh bridge-Kaligandaki bridge 43.76 67.87 04205 Kaligandaki bridge-Baglung 67.87 72.58 04206 Baglung-Myagdi district border 72.58 80.00 04207 Myagdi district border-Beni 80.00 90.00 04208 Beni-Pairothapla 90.00 124.00 04209 Pairothapla-Jomsong 124.00 170.00 04210 Jomsong-Ghoktang 170.00 292.00 13103 Setibeni-Gupteswort/Kaligandaki 30.00 85.00 13301 Maldhunga-Beni 0.00 13.00 16601 Kagbeni-Muktinath 0.00 26.00	Road Ode Road Name From To Length 04204 Sandh bridge-Kaligandaki bridge 43.76 67.87 24.11 04205 Kaligandaki bridge 67.87 72.58 4.71 04206 Baglung-Myagdi district border 72.58 80.00 7.42 04207 Myagdi district border-Beni 80.00 90.00 10.00 04208 Beni-Pairothapla 90.00 124.00 34.00 04209 Pairothapla-Jomsong 124.00 170.00 48.00 04210 Jomsong-Ghoktang 170.00 282.00 122.00 13103 Setibeni-Gupteswort/Kaligandaki 30.00 85.00 55.00 13301 Maldhunga-Beni 0.00 13.00 13.00 13.00 16601 Kapbeni-Muklinath 0.00 26.00 26.00 26.00	Road Odde Road Name From To Length Pav Sta 04204 Sandh bridge-Kaligandaki bridge 43.76 67.87 24.11 04205 Kaligandaki bridge-Baglung 67.87 72.58 4.71 04206 Baglung-Myagdi district border 72.58 80.00 7.42 04207 Myagdi district border-Beni 80.00 90.00 10.00 04208 Beni-Pairothapla 90.00 124.00 34.00 04209 Pairothapla-Jomsong 124.00 170.00 46.00 04210 Jonsong-Ghoktang 170.00 252.00 122.00 13103 Setibeni-Gupteswor(Kaligandaki 30.00 85.00 55.00 13301 Maldhunga-Beni 0.00 13.00 13.00 13.00 16601 Kadpeni-Muktinath 0.00 26.00 \$ \$	Road Road Name From To Length Pav A Sta 04204 Sandh bridge-Kaligandaki bridge 43.76 67.87 24.11 1 04205 Kaligandaki bridge-Bagiung 67.87 72.58 4.71 1 04206 Bagiung-Myagdi district border 72.58 80.00 7.42 1 04207 Myagdi district border-Beni 80.00 90.00 10.00 10.00 04208 Beni-Pairothapla 90.00 124.00 34.00 1 04209 Pairothapla-Jomsong 124.00 170.00 48.00 1 04210 Jomsong-Ghoktang 170.00 292.00 122.00 1 13103 Setibeni-Gupteswort/Kaligandaki 30.00 85.00 55.00 1 13301 Maldhunga-Beni 0.00 13.00 1 3 1 1 16601 Kadpeni-Muklnath 0.00 26.00 26.00 5 1	Road Odde Road Name From To Length Stat Pay Stat Road Code 04204 Sandh bridge-Kaligandaki bridge 43.76 67.87 24.11 Code 04205 Kaligandaki bridge-Baglung 67.87 72.58 4.71 Code 04206 Baglung-Myagdi district border 72.58 80.00 7.42 Code 04207 Myagdi district border-Beni 80.00 90.00 10.00 Code 04209 Pairothapla 90.00 124.00 34.00 Code 04209 Pairothapla-Jomsong 124.00 170.00 46.00 Code 04210 Jomsong-Ghoktang 170.00 292.00 122.00 Code 13103 Settbeni-Gupteswort(Kaligandaki 30.00 85.00 55.00 Code 13301 Maldhunga-Beni 0.00 13.00 To To To 16601 Kadpeni-Mukthath 0.00 26.00 26.00 To To	Road Ode Road Name From To Length Pay Sta Road Code Road Code Road Name 04204 Sandh bridge-Kaligandaki bridge 43.76 67.87 72.411 Image: Code Road Name 04205 Kaligandaki bridge-Baglung 67.87 72.58 4.71 Image: Code Road Name 04206 Baglung-Myagdi district border 72.58 80.00 7.42 Image: Code Image: Code	Road Odde Road Name From To Length Stat Pay ^ Stat V204 Sandh bridge-Kaligandaki bridge 43.76 67.87 24.11 V4205 Kaligandaki bridge-Baglung 67.87 72.58 74.11 V4206 Baglung-Myagdi district border 72.58 80.00 7.42 V4207 Myagdi district border-Beni 80.00 90.00 10.00 V4208 Beni-Pairothapla 90.00 124.00 40.00 V4209 Pairothapla-Jomsong 124.00 170.00 48.00 V4204 Jonsong-Ghoktang 170.00 292.00 123.00 131301 Maldhunga-Beni 0.00 13.00 30.00 16601 Kaobeni-Mukthath 0.00 26.00 26.00	Road Odde Road Name From To Length Sta Par Sta 04204 Sandh bridge-Kaligandaki bridge 43.76 67.87 24.11 04206 Kaligandaki bridge-Bagiung 67.87 72.58 4.71 04206 Baglung-Myagdi district border 72.58 80.00 7.42 04207 Myagdi district border-Beni 80.00 91.00 10.00 04208 Beni-Pairothapla 90.00 10.00 10.00 04209 Pairothapla-Jomsong 124.00 140.00 120.00 04210 Jomsong-Ghoktang 170.00 292.00 122.00 13130 Setibeni-Gupteswort/Kaligandaki 30.00 85.00 55.00 13301 Maldhunga-Beni 0.00 13.00 13.00 1660 Kadpeni-Muklnath 0.00 26.00 26.00	Road Odde Road Name From To Length Star Pay Star 04204 Sandh bridge-Kaligandaki bridge 43.76 67.87 24.11 Code Road Name Job Name From To 04204 Sandh bridge-Kaligandaki bridge 43.76 67.87 24.11 Code Road Name Job Name From To 04205 Kaligandaki bridge-Baglung 67.87 72.58 80.00 7.42 Code From To From To 04206 Baglung-Myagdi district border 72.58 80.00 7.42 From To From To 04208 Pairothapla 90.00 124.00 30.00 From To 04209 Pairothapla 170.00 220.00 From To From To 13103 Settleni-Gupteswor(Kaligandaki 30.00 85.00 55.00 From To 16601 Kabeni-Mukthath 0.00 13.00 To To To To

5.9.2 Prepare Details

🚯 ARMP-/	Annual Road Maint	enance Pla	nning Ver	3			
System	Road Network	Rates	ARMP	Мар	Help		
			Ro	ad Regis	ter	+	
			Re	gular Ma	intenance	•	
			Pe	riodic Ma	aintenance		
			Re	sponsive	Maintenance	• •	
			Ro	ad Side I	Maintenance	•	
			Em	nergency	Maintenance	•	
			Bri	dge Mair	ntenance	+	
			Re	habilitati	on	•	
			Re	construc	tion	•	Select Links
			Up	grading		+	Prepare Details
			Su	mmary		•	View Summary

Under each of the selected link and the work description, details should be prepared. Standard items will be available and quantities should be provided. The total cost is automatically computed. Right click on the grid to export entire details data to Excel

Reconstruction V	Vorks Details	o: Dotoile										
Division	Baglung	S. Details	· ~	Load								
ink Code/Name							~]				
Name of Job	0						~	Wo	ork From	То		
Activity	No. D	escription of	Work					Unit	Quantity	Rate	A	mount
	ADMD	Activity	DC 001 Per	one Dead	Surface/AC					Sub	p-Total	
Activity Group	ARMP F	Activity N	0 RC-001:Rec	ons-Road	Surface/AC			~		Sub Contingenci	p-Total	
Activity Group Work Desc	ARMP F Recons-F	Activity N oad Surface	o RC-001:Rec	ons-Road	Surface/AC	:		~	To	Sub Contingenci tal with Conting	p-Total [ies 5%] gencies]	
Activity Group Work Desc Unit	ARMP F Recons-F sqm	Activity N oad Surface Quantity	o RC-001:Rec	ons-Road Rate	Surface/AC	Amount	[]	~	To	Sub Contingenci tal with Conting VA	p-Total [ies 5% [gencies] τ 13% [

5.9.3 View Summary

🚯 ARMP-A	nnual Road Mainte	enance Plai	nning	g Ver 3	1				
System	Road Network	Rates	AR	MP	Map Help				
				Roa	id Register		+		
				Reg	ular Maintenan	nce	+		
				Per	iodic Maintenar	nce			
				Res	ponsive Mainte	enance	+		
				Roa	d Side Mainter	nance	+		
				Em	ergency Mainte	enance	+		
				Brid	lge Maintenanc	ce	+		
				Reh	abilitation		+		
				Rec	onstruction		•	Select Links	
				Upgrading			+	Prepare Details	
				Sur	nmary		+	View Summary	

Provides the summary of the reconstruction works. Right click on the grid to export the data to Excel

🖳 Su	immary of Reco	onstruction Works									- • ×
Su	Immary of	Reconstruction	Works								
Di	vision Baglu	ng	~ Load								Refresh
	Road Code	Road Name		From	То	Length	Work Description	Work From	Work To	Work Length	Total Cost (NRs)
Þ	Total										0.00
											Close

5.10 Upgrading

System	Rates	Norms	ARMP	IARMP	Report	Ma	ip Help
			Ro Ro Re Pe	ad Register utine current riodic		,	
			Sp Re Re	ecific habilitation constructior	1		
			Up	grading		•	Select Links
			Bri	dge Mainter	nance	•	Prepare Details
			Mis	scellaneous	Works	+	View Summary
			Su	mmary		- I	

5.10.1 Select Links

Links requiring upgrading should be selected using this tool. The work description should be provided and should not be repeated for the same link. The length of the section should also be provided.

a <mark>n</mark> A	RMP-Annual	al Road Maintenance Planning - [Selec	t Road for Upgra	ding]		- 100			1.000	Statistics of the second s					
2															
Sy	/stem Ra	ates Norms ARMP IARMP	Report M	ap Hel	lp										
u	Joaradina	a: Select Road													
S	SRN Links							Reh	abilitation I i	nks					
ſ	Link Code	Link Name	From	То	Length	Pavement Status	ŕ		Link Code	Link Name	Job	Name	From	То	Length
	F0010	101 Birtamod (MRM)-Chandrag	adhi 0.00	12.53	12.53	BT									
	F0020	201 Damak-Gauradaha Dipu	0.00	10.56	10.56	BT									
	F0020	202 Gauradaha Dipu-Gaurigunj	10.56	21.96	11.40	BT	=								
	F0590	001 Birtamoad (MRM)-Sanisch	are 0.00	12.86	12.86	BT									
	F1580	801 Damak (MRM)-Refugee Ca	imp 0.00	6.50	6.50	BT									
	H010	01 Kakarbhitta-Charali	0.00	11.25	11.25	BT	r								
	H0102	02 Charali-Birtamod	11.25	17.52	6.27	BT									
	H0103	03 Birtamod-Padajogi (Damak	:) 17.52	47.03	29.51	BT	1								
	H0104	04 Padajogi (Damak)-Ratuwa	47.03	47.99	0.96	BT									
	H010	05 Ratuwa-Mawa	47.99	54.75	6.76	BT									
L	U070-	11 Kashna (IR) Kashna villaga	0.00	2.00	2.00	CD									
	Unique ID	Link	Code		Name of I	Link									
	Work Desc	:													
	Work From	Work To							Add	I New Delete	Save				Close

5.10.2 Prepare Details

Under each of the selected link and the work description, details should be prepared. Standard items will be available and quantities should be provided. The total cost is automatically computed. Right click on the grid to export entire details data to Excel

stem Rate	s Norms	ARMP	IARMP	Report	Мар	Help								
pgrading V	Vorks: At	ostract o	fCost											Export to Exce
ne of Road :						•	Nam	e of Job :						
/ork From :		To :												
Activit	Group A	Activity No.	Desc	cription of	Work			U	nit	Quantity	F	Rate	3	Amount
uctivity Group	100 : Use	rs Norm 👻			Activ	ity No.	100.1:Eart	n work 💌				Sub-To	otal	
uctivity Group Work Desc	100 : User Earth wor	rs Norm 👻]		Activ	ity No	100.1:Eart	n work 💌			Conti	Sub-To ngencies 5	otal	
ctivity Group Work Desc Unit	100 : User Earth wor m3	rs Norm → k Excavati Quantity) DD	Rate	Activ	ity No	100.1:Eart	n work V		Tota	Conti	Sub-To ngencies (otal 5% ss	
xctivity Group Work Desc Unit	100 : User Earth wor m3	rs Norm → k Excavati Quantity] on	Rate	Activ	ity No 350 Am	100.1:Eart	n work 👻		Tota	Conti al with Cc	Sub-To ngencies s ntingencie VAT 135	otal 5% *s %	
xctivity Group Work Desc Unit Add New	100 : Use Earth wor m3 Delete	rs Norm ↓ k Excavati Quantity] on	Rate	Activ	ity No 350 Am	100.1:Eart ount	n work V	Tot	Tota al (With V	Conti al with Co	Sub-Tc ngencies Intingencie VAT 139 ntingenci	otal 5% *s % es)	

5.10.3 View Summary

Provides the summary of the reconstruction works. Right click on the grid to export the data to Excel

System Rates Norms ARMP LARMP Report Map Help Upgrading Works Summary Year: 2013 Division Damak Load Export to Excel Code Link Link Link Link Link Link Norms Total Total	ARMP	-Annual Roa	d Maintenance Planni	ng - [Summa	ary of Upgradir	ng Works]			- CONTRACTOR OF	Section of	-			
System Rates Norms ARMP IARMP Report Map Help Upgrading Works Summary Expont to Excel Link Link Load Expont to Excel Link Link From To Length Specific Work Description Work Work Work Total Cost > Total Total Image: Specific Work Description Work Work 0.00														
Yerrs Summary Drivion Damak Load Export to Excel Link dame From To Length Specific Work Description Work Work Using Total Cost Total Total Total Total Total Cost 0.00	Syster	n Rates	Norms ARMP	IARMP	Report M	ap Help								
Division Damak Link Code Link Name From Total Total Total Load Link Name From Total <	Upgra	ding Wo	rks Summary										Year:	2013
Link Code Link Name From To Length Specific Work Description Work From Work To Udal Cost Image: Total Cost Total Cost Image: Total Cost Image: Total Cost Image: Total Cost Image: Total Cost	Division	Damak		- Loa	ad								Export to	Excel
Total Image: Control of the second seco		Link Code	Link Name			From	То	Length	Specific Work Description	Work From	Work To	Work Length	Total Cost	
	•	Total											0	.00

5.11 Summary Sub Menu

🚯 ARMP-	Annual Road Maint	enance Pla	ning Ver 3	
System	Road Network	Rates	ARMP Map Help	
			Road Register	+
			Regular Maintenar	ice 🕨
			Periodic Maintena	nce
			Responsive Mainte	enance 🕨
			Road Side Mainter	nance 🕨
			Emergency Mainte	enance +
			Bridge Maintenand	e 🕨
			Rehabilitation	+
			Reconstruction	•
			Upgrading	+
			Summary	۰.

5.11.1 Division Summary

🚯 ARMP-	Annual Road Maint	enance Pla	nning Ver 3		
System	Road Network	Rates	ARMP Map Help		
			Road Register	+	
			Regular Maintenance		
			Periodic Maintenance		
			Responsive Maintenance	•	
			Road Side Maintenance	•	
			Emergency Maintenance	•	
			Bridge Maintenance	•	
			Rehabilitation	×	
			Reconstruction	•	
			Upgrading	•	
			Summary	•	Division Summary
					FHSMO Summary
					National Summary

nnua	I Road Main	ntenance Summary													
ion	Biratnaga	ar ~ Load			Anı	nual Road I	laintenand	e Summary	Sheet						
L	ink Code.	Link Name	From	То	Total Length	Routine faintenance Length (Km)	Routine faintenance Cost (NRs '000)	Reactive Maintenance Length (Km)	Reactive Maintenance Cost (NRs '000)	Combined Maintenance Length (Km)	Combined Maintenance Cost (NRs'000)	Total Regular Maintenance Cost (NRs '000)	Periodic Length (Km)	Periodic Cost (NRs '000)	Repo L
N	H01-011	Sunsari bridge-Koshi Barrage	111.05	134.93	23.88	23.88	1,613.63	23.88	3,938.14	0.00	0.00	5,551.77	0.00	0.00	
N	H01-012	Koshi Barrage-Bharadaha	134.93	140.95	6.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
N	H05-003	Ratuwa Nadi - Rangeli	47.97	66.38	18.41	18.41	1,244.01	0.00	0.00	0.00	0.00	1,244.01	0.00	0.00	
N	H05-004	Rangeli - Biratnagar	66.38	89.62	23.24	23.24	1,570.39	0.00	0.00	0.00	0.00	1,570.39	0.00	0.00	
N	H05-005	Biratnagar - Laukahi	89.62	122.78	33.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Ν	H06-001	Chhatara - Barahaksetra	0.00	4.64	4.64	4.64	472.44	4.64	232.00	0.00	0.00	704.44	0.00	0.00	
N	H07-002	Koshi New Bridge - Charaghatti	19.98	43.56	23.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
N	H07-003	Charaghatti - Kalabanjar	43.56	55.20	11.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
N	H07-004	Kalabanjar - Chatara	55.20	65.92	10.72	10.72	724.38	0.00	0.00	0.00	0.00	724.38	0.00	0.00	
Ν	H08-001	Rani (IB) - Biratnagar	0.00	6.64	6.64	6.64	448.68	0.00	0.00	0.00	0.00	448.68	0.00	0.00	
N	H08-002	Biratnagar - Kanchanbari	6.64	8.22	1.58	1.58	106.76	0.00	0.00	0.00	0.00	106.76	0.00	0.00	
Ν	H08-003	Kanchanbari - Duhabi	8.22	16.46	8.25	8.24	556.80	0.00	0.00	0.00	0.00	556.80	0.00	0.00	
N	H08-004	Duhabi - Itahari	16.46	28.07	11.61	11.61	784.52	0.00	0.00	0.00	0.00	784.52	0.00	0.00	
Ν	H08-005	Itahari - Seuti bridge	28.07	39.16	11.09	11.09	749.38	0.00	0.00	0.00	0.00	749.38	0.00	0.00	
N	H08-006	Seuti bridge -Base Camp	39.16	49.29	10.13	10.13	684.51	10.13	2,624.58	0.00	0.00	3,309.09	0.00	0.00	
Ν	H08-007	Base Camp - Bhedetar	49.29	61.61	12.32	12.32	1,254.40	12.32	14,143.00	0.00	0.00	15,397.41	12.32	76,698.97	
N	H09-004	Refugee Camp - Madhumalla	79.81	85.28	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Ν	H09-005	Madhumalla - Madhumalla Juncti	85.28	86.89	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Ν	H09-006	Madhumalla Junction - Dharan	86.89	131.24	44.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Ν	H09-007	Dharan - Chatara	131.24	150.04	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		Total			547.84	289.29	20,128.88	155.76	103,088.84	0.00	0.00	123,217.72	44.31	337,405.29	

Right click on the grid to export the data to Excel

5.11.2 FHSMO Summary

🚯 ARMP-	Annual Road Maint	enance Pla	nning Ver	3			
System	Road Network	Rates	ARMP	Мар	Help		
			Ro	ad Regis	ster	•	
			Re	gular Ma	intenance	+	
			Pe	riodic Ma	aintenance		
			Re	sponsive	Maintenance	•	
			Ro	ad Side	Maintenance	•	
			Em	nergency	Maintenance	+	
			Bri	dge Mair	ntenance	•	
			Re	habilitati	on	•	
			Re	construc	tion	•	
			Up	grading		•	
			Su	mmary		•	Division Summary
							FHSMO Summary
							National Summary

ISMO	D: FHSMO-Itahari	~	oad	Annual Roa	ad Maintena	nce Summary	Sheet (FHS	MO Summary	1)		
	Division	Total Length	Routine Maintenance Length (Km)	Routine Maintenance Cost (NRs '000)	Reactive Maintenance Length (Km)	Reactive Maintenance Cost (NRs '000)	Combined Maintenance Length (Km)	Combined Maintenance Cost (NRs'000)	Total Regular Maintenance Cost (NRs '000)	Periodic Length (Km)	Periodic Cost (NRs '000)
	Biratnagar	547.84	289.29	20,128.88	155.76	103,088.84	0.00	0.00	123,217.72	44.31	337,405.29
	Chandranigahapur	371.66	102.06	6,896.46	61.50	20,767.90	0.00	0.00	27,664.36	52.92	271,250.99
1	Damak	409.59	165.87	11,072.44	125.23	68,334.94	0.00	0.00	79,407.39	24.68	320,896.64
1	Dhankuta	318.01	259.63	21,353.44	71.69	43,021.47	0.00	0.00	64,374.91	0.00	0.00
1	Harkhapur	761.97	379.14	22,516.20	39.00	27,494.91	0.00	0.00	50,011.11	0.00	0.00
1	llam	749.75	500.06	34,952.13	257.78	116,161.66	0.00	0.00	151,113.79	132.47	282,916.18
	Janakpur	505.84	140.73	6,540.51	30.90	33,005.07	0.00	0.00	39,545.59	9.76	44,583.92
1	Lahan	727.08	635.74	42,065.47	235.24	42,671.62	0.00	0.00	84,737.08	49.22	228,966.74
-	Tumlingtar	395.76	207.30	17,863.80	135.80	41,469.38	0.00	0.00	59,333.18	25.00	173,525.63
	Total	4,787.50	2,679.82	183,389.34	1,112.90	496,015.79	0.00	0.00	679,405.12	338.36	1,659,545.38

Right click on the grid to export the data to Excel

5.11.3 National Summary

6 ARMP-Annual Road Maintenance Pla	anning Ver 3	
System Road Network Rates	ARMP Map Help	
	Road Register	•
	Regular Maintenance	•
	Periodic Maintenance	
	Responsive Maintenance	•
	Road Side Maintenance	•
	Emergency Maintenance	•
	Bridge Maintenance	•
	Rehabilitation	•
	Reconstruction	•
	Upgrading	•
	Summary	Division Summary
		FHSMO Summary
		National Summary

lational Summary	~ Loa	d	Ann	ual Road N	laintenance	Summary S	heet (Nati	onal Summary	()				
Division	Total Length	Routine Maintenance Length (Km)	Routine Maintenance Cost (NRs '000)	Reactive Maintenance Length (Km)	Reactive Maintenance Cost (NRs '000)	Combined Maintenance Length (Km)	Combined Maintenance Cost (NRs'000)	Total Regular Maintenance Cost (NRs '000)	Periodic Length (Km)	Periodic Cost (NRs '000)	Reponsive Legnth (Km)	Responsive Cost (NRs '000)	Ro Maint Leng
Baglung	583.24	522.00	24,501.20	151.00	20,464.87	36.24	12,429.95	57,396.02	15.42	51,240.00	15.00	711.90	
Baitadi	678.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Bhaktapur	267.42	215.56	16,657.89	0.00	0.00	0.00	0.00	16,657.89	64.13	414,840.00	0.00	0.00	
Bharatpur	501.53	436.53	40,116.15	0.00	0.00	0.00	0.00	40,116.15	0.00	0.00	0.00	0.00	
Biratnagar	468.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Butwal	561.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Chandranigahapur	384.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Charikot	501.32	434.32	47,883.30	0.00	0.00	0.00	0.00	47,883.30	0.00	0.00	0.00	0.00	
Chaurjahari	506.40	365.40	24,926.75	0.00	0.00	0.00	0.00	24,926.75	0.00	0.00	0.00	0.00	
Damak	212.60	164.60	11,750.50	0.00	0.00	0.00	0.00	11,750.50	0.00	0.00	0.00	0.00	
Damauli	634.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Dang	535.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Dhankuta	259.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Doti	477.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DSBP	160 00	160 00	16 405 88	0.00	0.00	0.00	0.00	16 405 88	0.00	0.00	0.00	0.00	

Right click on the grid to export the data to Excel

5.12 Map

A basic map interface is provided using web-based mapping. It is provided in <u>http://armp.aviyaan.com/map/2021</u>



The map interface provides following facilities.

- 1) Select Online Background Maps
- 2) View the SRN network
- 3) Zoom to Province/Districts and Municipalities
- 4) Zoom to Divisions and highlight/Mask
- 5) Export to Map to PDF/JPG with various scales and paper size of A4.
- 6) Overlay Google maps (Satellite, Hybrid, street, Terrain etc)
- 7) Search Roads using road code/link code
- 8) Turn On/Off various layers (Base Map and ARMP layers)
- 9) View SDI defects in the Map
- 10) View IRI, SDI and Traffic Volumes
- 11) View some Drone Imagery and Landslide and Bridge information in 3D
- 12) On screen Identification of various elements of the map.
- 13) Clipping of the road division boundary.
- 14) High quality printing using QGIS server



Print Map)
Map Title:		
Biratnagar Road Di	vision Office	
Мар No:		
Road Network Map		
Text/Comments:		
1		
Scale:		
1:425,000		~
User Scale:		
Enter Scale Value	Set	
Print Paper:	Print Out	tput:
A4 Paper 🗸	PDF	~
Download Logondo		
Download Legends		
Download Legends		
Print		

High quality printing interface

Help Sub Menu (About)

