



Government of Nepal  
Ministry of Local Development  
Department of Local Infrastructure Development and Agricultural Roads

## **TRAIL BRIDGE PROGRAMME SECTOR WIDE APPROACH**

# **Annual Project Report** for **Fiscal Year 2072/2073 (2015/2016)**



Raikar trail bridge has replaced the previous tuin that existed across Photo: Indra DC (RTAP-SEBAC/Nepal)

**Aswin, 2073 (October, 2016)**

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## Strategic Review and Outlook

The Trail Bridge Sub-Sector Programme (TBSSP) is led by the Government of Nepal and since 2009 has been implemented through the Sector Wide Approach (SWAp). This report presents the details of the second year of implementing TB SWAp Framework-II (2014-2019).

The goal of TB SWAp Framework-II is to contribute towards poverty reduction through improvement of access for local people (particularly women, Dalits, and people belonging to ethnic communities, disadvantaged and underprivileged groups) to social, basic services, economic resources and opportunities by availing river crossing facilities within 1 hour detour.

The first section discusses the various socio-political factors that have affected TBSSP during the reporting period (July 2015-July 2016). The period was characterized by political turmoil and an unstable operational environment due to the Terai Bandhs and border blockades, which severely affected staff mobility and created shortages of fuel and construction materials. These occurred at a time when the country was still recovering from the devastating earthquakes of 2015. The Government also announced its commitment to replace all Tuins in the country with bridges, which also led to increased pressure for quick delivery.

Despite these unfavorable operational environments, several of the planned outcomes were achieved at appreciable levels; particularly the landmark achievement of 422 new bridges built (this was the first time that over 400 bridges were completed in a single fiscal year). Proving that the working strategies developed and the institutions in place are able to successfully cope and function efficiently.

The second section provides details on the outcomes achieved. These include the provision of safer and improved access to 822,843 rural people (58% belonging to disadvantaged groups) and the creation of 1,108,921 person-days of employment that led to NRs 422.620 million flowing into local communities during bridge construction. The report also discusses transversal themes such as the women representation of 45% in the User Committees and safety and security concerns. This section is followed by discussions on the outputs achieved, which include the Routine Maintenance of 4,766 bridges, Major Maintenance of 220 and the completion of 422 new bridges.

In order to enhance the capacity of the local and central level, various training courses were also organized. These include: 35 days trail bridge course for 28 engineers; Refreshers course for 54 assistance sub-engineers; Demonstration Model Bridge Trainings (DMBTs) for 586 persons; and Routine Maintenance Trainings for 709 persons amongst others. These trainings along with the 'accompanied capacity building' provided by TBSU/HELVETAS and the experiences gained, since the implementation of TB SWAp Framework-II, have led to the enhanced capacities of RTAPs.

The fourth section of the report provides details of the project finances and management. Overall, NRs 1,77,97,48,000 was utilized (78% of the total Budget).

The final section consists of the lessons learnt during the course of programme implementation. The significant that were noted include:

- Presence of TBSU/HELVETAS staff within RTAP premises to coach and provide backstopping through 'accompanied capacity building' has helped to build RTAP staff's understanding and smooth implementation, especially when there were turn-overs of RTAP staff in the reporting period. Assessments have indicated that RTAPs are now capacitated to take the lead for the implementation of Suspended SSTBs. They do however still require back support for Suspension SSTB and LSTBs. As such, TBSU/HELVETAS 'accompanied capacity building' will still be required in the upcoming fiscal year.
- Early development of contingency plans based on close assessment of the developing contexts also helped to minimize the risk of underutilization of human resources and consequently continue TB SWAp activities in FY 2072/2073.
- Appropriate diplomatic channels need to be developed by the Government (at various levels) to facilitate and smoothen the transportation of construction materials via Tibet/China route to replace the ad hoc processes that are currently being conducted.
- Experiences with claiming of Insurance Coverage have shown that when the coverage policy is acquired, it needs to be widened to cover a larger share of the medical costs, disabilities and death. Further policies acquired will therefore be widened so as to include the coverage from (फ) to (ङ).

# 1. Introduction

The Trail Bridge Sub-Sector Programme (TBSSP) is a national programme that is led by the Government of Nepal. It is guided by the Trail Bridge Strategy, 2062 BS, and the Trail Bridge Directives, 2066 BS. The programme covers all 75 districts in Nepal. Since 2014 onwards, the sector entered into the Trail Bridge Sector Wide Approach (SWAp) Framework-II (2014-2019) and this report presents the findings of the second year of implementation.

The goal of TB SWAp Framework-II is to contribute towards poverty alleviation through improved access for local people (particularly women, Dalits, people belonging to disadvantaged groups) to social, basic services, economic resources and opportunities by availing river crossing facilities within 1 hour detour.

At the center, the Ministry of Federal Affairs and Local Development/Department of Local Infrastructure Development and Agricultural Roads (MoFALD/DoLIDAR) is responsible for overall implementation and monitoring of TB SWAp, including policy formulation and enforcement, securing funds, coordination among stakeholders and procurement of steel wire ropes and bulldog grips. The Local Bridge Section (LBS) within DoLIDAR is responsible for coordination of TBSSP.

At the district level, the overall responsibility of planning, implementation, operation and maintenance of trail bridges remain with the District Development Committees (DDCs), who are supported by NGOs. DDCs follow the procedures as prescribed by the Local Self Governance Act (LSGA) and the Local Governance Rules. With the DDCs implementing Short Span Trail Bridges (SSTBs) through the community approach and Long Span Trail Bridges (LSTBs) through the turnkey contract modality.

Technical assistance (TA) at the regional level is provided by Regional Technical Assistance Providers (RTAPs), formed through the joint ventures of NGOs/private consulting firms. On behalf of Swiss Agency for Development and Cooperation (SDC), TBSU/HELVETAS Swiss Intercooperation (hereafter referred to as TBSU/HELVETAS) provides TA to TBSSP; particularly to the central agencies and the Terai and Karnali districts, through two Special Focus Units in Surkhet and Bardibas. In addition, in order to ensure the transitioning of roles and responsibilities to RTAPs, TBSU/HELVETAS has also been providing back support and monitoring the implementation of TA being provided by RTAPs through 'accompanied capacity building' at the regional levels.

The Government of Nepal provides funds for trail bridge programme along with development partners, who provide funds through their respective programmes. These include the Asian Development Bank's Decentralized Rural Infrastructure and Livelihoods Project- Additional Financing; United Kingdom's Department for International Development's Rural Access Programme-3. For the latter programme, FY 2072/2073 is the last of trail bridge support as per the Tri-partite agreement between ADB, DoLIDAR and eight programme DDCs. In addition, the Remote Area Development Committee, and Kadoorie Agricultural Aid Association – British Gurkhas Nepal also construct trail bridges within the country.

## Socio-Political Context

During FY 2072/2073, there were three significant events that affected TB SWAp – the aftershocks of the earthquakes that struck the country in April and May in 2015; Terai-Madhes Bandh and subsequent fuel shortages; and the announcement by the Government to replace all Tuins with trail bridges.

The devastating earthquakes that struck in April and May in 2015, with magnitudes of 7.8 and 7.3 respectively, lead to the immeasurable loss of over 8,000 lives and the destruction of over 755,000 homes (PDNA, 2015). Within TBSSP, 68 bridges were damaged by the earthquakes. In addition, even though the earthquakes did not occur during the reporting period (July 2015 – July 2016), its effects were felt within TBSSP, in terms of disruptions to staff mobility and transportation of construction materials due to aftershocks and landslides, which were further exacerbated during the monsoon rains.

The Terai-Madhes *Bandh/blockade* and fuel shortages, after the promulgation of the Constitution in 20 September 2016, also affected TBSSP. Staff movement in the Terai districts were restricted due to the *Bandh*; while the fuel shortages affected movement of both TBSU and RTAP personnel in the other districts, leading to the slowing down of activities and delays in the transportation of materials. To lessen the impact, Contingency plans were developed in late September. The main activity included mobilizing staff of the Terai Cluster districts in the Hills for earthquake and flood/landslide damaged bridge activities.

In addition, the announcement by GoNt to replace all Tuins with trail bridges was also significant. This led to the shifting of priorities from regular works to focus on Tuin replacement. Feasibility studies were undertaken, which identified 171 Tuins in the country, out of which only 134 need to be replaced. These were then prioritized for construction. In addition, to ensure that the Trail Bridge Strategy/Local Infrastructure Development Policy (TBS/LIDP) is not violated, a policy guideline was drafted and approved.

## 2. Outcomes Achieved

Presented below are the outcomes that are based on the Trail Bridge Sector Wide Approach (TB SWAp) Framework-II covering the period 2014-2019. A summary can be found in Annex-II.

### **Outcome 1: Local communities, especially Disadvantaged groups construct and maintain trail bridges to improve safe access to basic services (health, education), markets, farms and employment opportunities at local level**

In FY 2014/2015, 422 trail bridges were completed. This has led to an additional 8,22,843 people being provided with safer and improved access throughout the country. With one bridge benefiting on average 1,949 people. This is slightly higher than the last fiscal year's figures (1,875 people) and is mostly due to the higher number of LSTBs constructed, which have a wider zone of influence. Meanwhile the Average Daily Traffic Count (ADTC) is 208 people per bridge (PBBA, 2015).

Disadvantaged groups constituted 58% (4,80,849 persons) of the total beneficiaries. This is higher than the TB SWAp Framework-II target of 50%, which reflects the successful implementation of the prioritization criteria that gives greater weightage to bridges that will benefit discriminated and disadvantaged groups for construction.

The gender wise composition meanwhile shows that 52% (4,26,457 persons) of the beneficiaries are women compared to 48% (3,96,386 persons) men, which is similar to last year's figures; indicating that both men and women are benefiting from improved access provided by the bridges though in different ways. According to the Post Bridge Building Assessment (2015), bridges have been especially useful to pregnant women for accessing Ante Natal Care and for conducting household chores (such as gathering fodder and firewood) by providing safer access.

The study also noted that bridges had led to a rise in the number of patients seeking treatments from health facilities by 32%. Similarly, school attendance also increased by 22% after the construction of a trail bridge (PBBA, 2015). Students and teachers reported that the bridges had reduced traveling time and made it safer to reach their schools, while parents noted that they were no longer required to help their children cross the rivers. After the construction of a bridge, new shops were also found to have emerged at 39% of the bridge sites, in order to take advantage of the new routes and increased mobility of people (PBBA, 2015).

On average, one bridge was found to save time (for a two-way journey) to health facilities, schools and markets by 3.1 hours, 2.29 hours and 3.0 hours respectively (PBBA, 2015).

During the construction period, a total of 11,08,921 person-days of employment (skilled, unskilled and portering) was generated at the local level. This is equivalent to NRs 422.62 million flowing into the local communities through trail bridge construction. Amongst those that received employment opportunities, 65% (7,22,881 person-days) of employment were created for disadvantaged groups and 27% (3,03,955 person-days) for women. During bridge construction, there were no cases of child labour, and equal pay for equal work was applied to all the bridge sites. During fabrication, over 6,33,000 person-days of employment (an average of 1,500 person-days) were also generated by the private sector during the manufacturing of steel parts.

### **Outcome 2: Government of Nepal, MoFALD/DoLIDAR further designs and foster implementation of the Trail Bridge Strategy auxiliary to Local Infrastructure Development Policy by the local bodies and communities in construction and maintenance of Trail Bridges**

The Government of Nepal has taken the lead for TB SWAp since 2009 with the support of bilateral and multilateral development partners. The programme has been widely acknowledged and owned at different government levels, including the Ministry, DoLIDAR, and DDC/DTO levels. All DDCs follow the Trail Bridge Strategy, 2006, and all trail bridge programmes of the districts are implemented through TB SWAp.

At the center, DoLIDAR, through the Local Bridge Section (LBS) and the Suspension Bridge Division (SBD), has been entrusted with the responsibility to construct trail bridges. Since the implementation of SWAp from 2009, the scope of the units has increased even though there has not been a corresponding

increase in the required human resources needed for the sub-sector. In this absence, TBSU/HELVETAS has continued to provide TA for planning, monitoring and reporting purposes. However, the review of TB SWAp Framework-I, had recommended the establishment of a Local Bridge Directorate (LBD) through institutional restructuring of LBS and SBD and the drawing upon of human resources from the Remote Area Development Committee (RADC). At the onset of TB SWAp Framework-II, an Organizational Development Assessment (ODA) had been conducted with various recommendations for the establishment of LBD. The implementations of these recommendations have however been delayed and do not seem to be a priority due to the State re-structuring that is being proposed as per the new Constitution.

At the district level, Local Bridge Sections have been established in all the DDCs/DTOs and focal persons have been assigned the responsibility of the trail bridge programme. These focal persons are prioritized for acquiring trail bridge know-how through trail bridge (35 days) trainings as well as refresher courses. During FY 2072/2073, 70 DDCs had established Delegation Agreements with district based NGOs for providing technical and social mobilization support to local communities.

At the local level, 586 people (121 women) were provided with Demonstration Model Bridge Trainings (DMBTs) to impart bridge construction know-how to Bridge-crafts-persons as well as User Committee members prior to bridge construction.

Once the bridges are completed, routine maintenance is organized through Bridge Wardens (BW), who are assigned the task for RM. During FY 2072/2073, 709 Bridge Wardens (281 women) were provided with Routine Maintenance Trainings to orient them on their responsibilities and RM mechanisms as per the Routine Maintenance Manual.

Within the private sector, there are currently 25 fabricators who are capable of manufacturing quality steel parts. The standing list of these fabricators, along with material manufacturers (Cement), and contractors have been periodically updated on the official website.

### Transversal Themes

Ensuring that inclusive User Committees (UCs) are formed so that discriminated groups can participate and raise their concerns is a priority within TB SWAp. Records show that during FY 2072/2073, women representation in UCs was 45%. This is higher than the target of 40% and is similar to last year's figures; indicating that the focus and repeated emphasis and monitoring by TBSU/HELVETAS to RTAPs and NGOs has been effective. In addition, 87 women UC members were also provided with Community Leadership Trainings to encourage and provide tools and techniques on how to be more active in meetings and have a greater say in the decision-making processes.

Similarly, discriminated groups had at least one key position (Chairperson, Secretary, Treasurer) in all the UCs. 83% of the UCs were also proportionately representative of the beneficiary population. This is higher than last year's figures of 78% and though it shows an improving trend, there is still room for further improvements. The need for inclusive UCs shall therefore continue to be taken up with DDCs, NGOs and community members as past experiences have shown that it is essential for continuous dialogue, especially with communities, to convince them about the need to participate in UCs so as to ensure that have a say over development activities that will affect them.

To maintain transparency throughout the project cycle, Public Hearings, Reviews and Audits were also organized at the bridge sites. Public Hearings were organized at all the bridges sites, while Public Reviews and Audits were conducted at 69 % and 76% of the bridges respectively. The remaining Public Audits at the remaining 19% of the bridges shall be completed within one months period after the UCs inform the DDCs in writing about the final settlement of expenditures (which had not been done during the reporting period). Hoarding boards were also erected at 72% of the bridge sites.

All workers were insured during bridge construction period. Safety and security orientations were also provided during DMBTs and at critical milestones to avoid accidents. But, despite precautionary measures, three accidents occurred. This included a minor injury (Bhojpur), broken leg (Ramechhap) and a leg amputation (Darchula). Treatments of all the injuries have taken place and the insurance claims have been settled, except for the case of Darchula, where the claim is being processed. Cost for

treatment was also high, with the DDC-Darchula and the UC providing a part of the treatment costs. This has led to the learning that the insurance coverage needs to be widened to cover medical costs incurred for treatment.

### 3. Outputs Achieved

Presented below are the outputs based on the Trail Bridge Sector Wide Approach (TB SWAp) Framework-II covering the period 2014-2019. A summary can be found in Annex-IV.

#### 3.1. Maintenance and Construction of Trail Bridges

##### a. Routine Maintenance

Routine maintenance (RM) is the top most priority within TB SWAp Framework-II. During FY 2072/2073, RM was carried out at an estimated 4,766 bridge sites at the cost of NRs. 2,82,30,492.

In order to strengthen RM, the following efforts were undertaken:

- Ensuring that all bridges have Bridge Wardens, either by assigning new ones or by replacing those that have not been performing
- Providing Routine Maintenance Trainings (RMTs) to 709 BWs (281 women) based on the Trail Bridge Maintenance Guidelines and Routine Maintenance manuals;
- Orienting Village Development Committee (VDC) Secretaries on routine maintenance regularly
- Ensuring that the BWs have the necessary tools from the DDCs.

In addition, different mechanisms, such as providing half of the NRs 6,000 at the onset to the BWs in order to motivate them were also piloted in a few districts in the Western cluster. The initial learning from these piloted cases indicate that RM has been made more effective. It is however too soon to conclude that such types of approaches should be rolled out to other bridges, which is why further pilots have been planned for the next fiscal year.

The table below shows the number of bridges where routine maintenance has been undertaken. For more details please refer to Annex-IV.

##### b. Major Maintenance/ Reconstruction/ Rehabilitation

The major maintenance/rehabilitation of 220 bridges were completed in FY 2072/2073. These included bridges which were: (a) damaged by the earthquake in 2071; (b) bridges damaged by the floods/landslides of 2070 and 2071; (c) bridges that had been identified as being critical during Bridge Condition Investigations during FY 2070/71; and (d) other bridges which came through regular planning at a cost of NRs. 11,15,28,320.

Fifty-two bridges, amongst the 68 that had been damaged by the earthquake in 2071 underwent major maintenance/rehabilitation in FY 2072/2073. For this undertaking the GoN had provisioned a budget of NRs 100 million along with SDC for CHF 1 million for the procurement of steel parts and cables. Meanwhile, the remaining bridges are expected to be completed by FY 2073/2074. Please refer to Annex-VII for the full list and progress details.

Similarly, amongst the 42 bridges that were damaged by floods/landslides in Taplejung, Sankhuwasabha, Khotang, Okhaldhunga and Ilam, 3 were completed (in Khotang, Okhaldhunga, Ilam) during FY 2072/2073; while others are at various stages of construction. Please refer to Annex-XI for further details.

Likewise, amongst the 23 bridges that were damaged by floods in 2070, 4 bridges were re-constructed (2 through SDC/DDC and 2 by SBD/DoLIDAR) out of 12 that needed re-construction, and 8 underwent major maintenance (by the SDC/DDCs) out of 11 that needed major maintenance. For this undertaking as well, the GoN and SDC had provisioned NRs 100 million each. Please refer to Annex-IX for further details.

The table below presents the number of bridges that underwent major maintenance/rehabilitation in FY 2072/2073. Please refer to Annex-VII for further details.



**Development Region wise MM/Rehabilitation undertaken**

Development Region	Number of MM/Rehab Undertaken
Eastern Development Region	36
Central Development Region	60
Western Development Region	48
Mid-Western Development Region	35
Far-Western Development Region	41
<b>Total</b>	<b>220</b>

**c. New Construction**

A total of 422 trail bridges were completed in FY 2072/2073. This is an increase from the previous year's figure of 342 bridges and represents a landmark within TBSSP, with over 400 bridges completed in a single fiscal year.

The main reasons for this rise can be attributed towards the enhanced capacity of DDC/DTOs and local NGO staff; the timely release and management of the TB SWAp budget (NRs. 95,20,06,596) and additional funds (amounting to NRs 21,09,53,000); improved capacity and experience gained by RTAPs along with the prompt and continuous back-support provided by TBSU/HEVELTAS. The dedication and hard work shown by all stakeholders, including local communities, DDCs/DTOs, funding agencies, TA providers and central agencies such as LBS/DoLIDAR has also been equally significant.

Altogether 764 new bridges have been completed in the two years since the implementation of TB SWAp Framework-II (30.5% of the total 2,500 target); bringing the total number of bridges built in Nepal to 6,499. Development-wise number of bridges completed are presented in the table below:

**Development Region wise New Construction Bridges Completed in FY 2072/2073**

Development Region	Number of MM/Rehab Undertaken
Eastern Development Region	88
Central Development Region	80
Western Development Region	106
Mid-Western Development Region	101
Far-Western Development Region	47
<b>Total</b>	<b>422</b>

The supporting agency-wise number of bridges completed in FY 2072/2073, show that majority (61%) of the bridges are funded through GoN district grants, 23% by DPs for district programmes, and 12% through GoN's central budget. Meanwhile, 83.5% of the bridges were supported through TA of TBSU/HELVETAS.

**Funding Agency wise number of Trail Bridges completed in FY 2072/2073**

SN	Funding Agency	Number of Bridges completed
1	GoN funded (District programme)	257
2	DRILP-AF funded (District programme)	75
3	RAP-3 funded (District programme)	21
4	GoN funded (SBD programme)	35
5	GoN funded (RADP programme)	15
6	KAAA-BGN	19
	<b>Total</b>	<b>422</b>



### 3.2 Enhanced Capacity at Local and Central Levels

Enhancing the capacities at the local and central levels is one of the major activities of the TB SWAp Framework-II. Capacity enhancement is done through trail bridge training courses, refresher courses, workshops and seminars. During FY 2072/2073, the following activities were carried out:

- Trail bridge course (35 days) were provided to 28 engineers
- 54 Assistant Sub-Engineers were provided with Refreshers Technical course
- 586 persons (131 women and 455 men) were capacitated through demonstration model bridge training
- 709 persons (281 women and 428 men) were trained as bridge wardens on Routine Maintenance training
- 87 women were capacitated with Community Leadership training
- Total station and land development trainings were provided to 23 Technical Officers of RTAPs

### 3.3. Research and Development

Research and development within the trail bridge programme is an important component of TB SWAp Framework-II. During the FY 2072/2073, the focus was on three main R&D activities:

- Piloting of Pile Foundation in the Terai in 4 districts (Rupendehi, Sarlahi, Banke and Morang). During the reporting period, 1 bridge based on the pile foundation design was completed in Rupendehi, while the others are expected to be completed in the up-coming fiscal year. The experiences garnered through these bridges are expected to lead to the development of standard designs.
- Piloting of Vietiber plants as cost effective and durable technology for river bank protection.
- Construction of LSTB bridges through the community approach.

### 3.4. Procurement

In the FY 2072/2073, TBSU/HELVETAS procured 37,300 meters of cable and 24,600 number of Bulldog grips through SDC funds. Likewise, DoLIDAR also procured 341,200 meters of cable with Government funds. Throughout the fiscal year, TBSU/HELVETAS deployed third party inspectors to monitor the quality at the factory of suppliers, the quality of the wire ropes and bulldog grips procured and quality during post-delivery.

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## 4. Project Management and Financial Resources

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### 4.1. Programme Management

#### Trail Bridge Steering Committee Meeting

The Annual Programme and Budget for FY 2072/2073 had been approved by the Trail Bridge Steering Committee meeting held in October 2015.

#### Quality Monitoring

For monitoring purposes, the trail bridge construction cycle is divided into ten milestones categorized as– Critical and Ordinary. DDCs/DTOs are to monitor all ten milestones; with the six critical milestones, monitored by TBSU/HELVETAS by mobilizing RTAPs.

Within TBSSP, the Programme Monitoring Information System (PMIS) along with the Trail Bridge Strategy Information System (TBSIS) are the two main tools that are used for monitoring all the bridges that are under construction. With the former monitoring system mainly focused on progress and the latter on ensuring quality and adherence to the TB SWAp indicators related to Social Inclusion and Governance. Furthermore, during the reporting period, an online PMIS system was developed and implemented in order to enable users to update real-time data and allow for easier access. A new Cable and Bulldog Grips management monitoring system was also implemented to have uniform inventory system that can be applied for nationwide monitoring of stocks, oversee transactions and have a reporting system that is compatible with government standards and formats.

Amongst the Government district programme funded and development partner supported (DRILP-AF and RAP-3) bridges, 815 bridges were under construction (at various stages) during FY 2072/2073. Amongst which 530 bridges were carried over (from FY 2072/2072) and 545 were newly committed. Amongst these bridges, 353 bridges were completed by the end of the fiscal year and final inspections were carried out at 268 bridge sites. Approximately 99% of the inspected bridges were as per standard design and norms and only 1% require rectifications.

### Quality Control

Cement quality available in the market was tested through material testing laboratories. After which, those that meet the quality standards were published on the official Nepal trail bridge website.

Similarly, wire ropes and bulldog grips were also inspected and certified by third parties appointed by TBSU/HELVETAS, during pre-dispatch and post-delivery.

## 4.2. Financial Resources

The GoN budget and expenses for FY 2072/2073 are presented in the table below:

**Trail bridge Budget and Expenses for FY 2072/2073**

Programme	Budget	Expenses
District Programme (GoN)	1,14,92,54,000	95,20,06,000
Local Bridge Section (GoN) (Procurement of Wire ropes and Bull dog grips)	17,35,40,000	17,13,94,000
Suspension Bridge Division – Central Programme (GoN)	52,00,00,000	40,91,50,000
Tuin replacemnet	16,76,59,000	0*
Administration (GoN)	1,44,87,000	1,37,49,000
Technical Assistance (SDC)	25,00,00,000	23,34,49,000
<b>Total</b>	<b>2,27,49,40,000</b>	<b>1,77,97,48,000</b>

Note: \* Regular budget was utilized for Tuin replacement activities in FY 2072/2073

Overall, 78% of the total Budget was utilized during FY 2072/2073. Amongst the various headings 83% of the district programme budget was utilized along with 99% by LBS/DoLIDAR, 78% by SBD/DoLIDAR and 93% of TA budget provisioned by SDC.

### Bridge Costs Analysis

#### Short Span Trail Bridges

Amongst the 422 bridges constructed, 381 were SSTB bridges (90%), with a cumulative span of 25.5 km. The average span of a bridge was 67 m and the average cost per linear meter was NRs. 46,261. The cost of one SSTB was on average NRs 3.1 million. While the per capita cost of a bridge constructed through the community approach was NRs. 1,595 (approx. US \$ 15.00; at 1US \$ = NRs. 106).

**Linear per meter Cost of Trail Bridges by Type and Agency**

TB Type	Linear per meter cost (in NRs)		
	District Programme (DRILP-AF,RAP-3,GoN- SWAp)	KAAA-BGN funded	RADC funded
SSTB - D Type	42,057	76,710	45,815
SSTB – N Type	69,346	0	182,246
SSTB – Truss	70,246	118,094	85,865

Note: No N-type bridges were constructed through DRILP-AF and KAAA-BGN support in the fiscal year

### **Long Span Trail Bridges**

Meanwhile, 41 LSTB bridges were completed in FY 2015/2016. The average span was 7,773 m, with an average cost per linear meter was NRs. 1,05,341. While the average cost was NRs. 18,195 m.

### **Access Trails**

A total of 5.7 km of access trails were also constructed during the reporting year at 27 bridge sites. This is equivalent to 211 m constructed on average. The average cost of access trails per meter was NRs. 732 and it is included in the bridge construction costs.

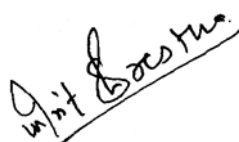
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## **5. Lesson Learnt and Issues**

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Some of the important issues and lessons learnt observed during the reporting period are noted below:

- During FY 2072/2073, the presence of TBSU/HELVETAS staff within the RTAP premises, providing coaching and backstopping through accompanied capacity building, along with the frequent visits by Service Support Unit (SSU) staff from the center, has helped in building the RTAP staff's understanding and smoothen implementation, especially when there were turnovers of RTAP staff during the reporting period. The acceptances of RTAP by the DDCs have also taken time and experience has shown that regular and frequent meetings with DDCs have helped to overcome this reluctance along with the actual progress of physical works. These regular meetings shall be continued in the upcoming fiscal year.
- Early development of contingency plans based on close assessment of the developing contexts (i.e. Terai Bandhs and fuel shortages) also helped to minimize the risk of underutilization of human resources and consequently continue TB SWAp activities in FY 2072/2073.
- The transportation of materials in the Karnali region represents a challenge within TBSSP due to the remoteness of the sites and the lack of road networks available. There are currently two routes – road transportation via Tibet/China and through air-lifting from Nepalgunj. The former approach requires the need to adhere to diplomatic channels while there are numerous delays (especially during the tourist season) with the commercial flights for the latter. For the alternative route (via Tibet/China), transportation needs and appropriate channels need to be explored, rather than the past experiences of ad hoc implementation, so as to ensure cost effective and timely transportation of construction materials.
- Experiences with claiming of Insurance Coverage have shown that when the coverage policy is acquired, it needs to be widened to cover a larger share of the medical costs, disabilities and death. Future policies acquired will therefore be widened so as to include the coverage from (₹) to (₹), instead to (₹), which was the old practice.



On behalf of LBS/DoLIDAR

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Amrit K Shrestha

Section Chief

**Local Bridge Section /DoLIDAR**

**Date: Aswin, 2073**

## **Annex - I**

### **Trail Bridge SWAp Framework-II Log Frame**

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**Trail Bridge Sector Wide Approach  
Logical Framework 2009-2014**

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Assumptions
<b>Goal:</b> Contribute to poverty alleviation through improved access of the local people (particularly women, Dalits and people belonging to ethnic communities and disadvantaged and under privileged groups) to social and basic services and economic resources and opportunities	River crossing facility is available to local people within 1 hour detour.	<ul style="list-style-type: none"> <li>Trail Bridge Strategy Information System (TBSIS) Report</li> <li>Impact Monitoring Report</li> </ul>	
<b>Outcome 1:</b> Local communities, especially the Disadvantaged groups use trail bridges to improve safe access to basic services (health, education, markets, farms and employment opportunities) at local level	1.1. 3.75 million people (including 1.8 million Disadvantaged Groups) have a safe river crossing facility  1.2. School attendance and visit to health centres increased by 10% respectively as compared to baseline data of July 2014.  1.3. New marketing centres developed / including growth of existing market centres at 20% of bridge sites  1.4. A total of 5.0 million person days of employment opportunities created at local level out of which 50% goes to DAGs  1.5. At least 40% women are represented in Users' Committees with proportionate representation of marginalized groups including at least one member in executive position	<ul style="list-style-type: none"> <li>Community Application Form</li> <li>Post Bridge Building Assessment</li> <li>Trail Bridge Strategy Information System (TBSIS) Report</li> <li>Case Study Reports</li> <li>Outcome Monitoring Report</li> </ul>	<ul style="list-style-type: none"> <li>Trail bridge program and resources are devolved from the centre to the local bodies</li> <li>Required funds are available from the development partners and the GoN</li> <li>Private sector and service providers are available and willing to participate in trail bridge building</li> <li>Technical assistance is available for the period 2014-2019</li> <li>Mutual understanding reached among central agencies and DDCs that constructing road bridge might not be feasible for next 5 years in the place where trail bridges will be constructed in this phase</li> </ul>

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Assumptions
<p><b>Outcome 2:</b> Government of Nepal, represented by MoFALD / DoLIDAR enforces Trail Bridge Strategy (TBS/LIDP) in construction and maintenance of trail bridges.</p>	<p>2.1. LBD created with merger of SBD within restructured DoLIDAR and functional by December 2015</p> <p>2.2. All trail bridge s are incorporated in local bodies annual plan including centrally implemented Trail Bridges</p> <p>2.3. Public hearing is conducted at all bridge sites and public audit is conducted in all SSTB bridges</p> <p>2.4. Trail bridge norms, standards, technologies and demarcation convention are adhered to by all DDCs and all other bridge building agencies</p> <p>2.5. 100% of the supervised/inspected bridges in the country adhere to the norms, standards and quality requirements.</p> <p>2.6. All DDCs and bridge building agencies adhere to the prescribed prioritization formula and criteria</p>	<ul style="list-style-type: none"> <li>• Project Book</li> <li>• Monitoring and Inspection Reports</li> <li>• TBSIS Report</li> <li>• Annual Project Report</li> <li>• PMIS Report</li> <li>• PBBA Report</li> </ul>	



Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Activities
<b>Outcome 1:</b> Local communities, especially the Disadvantaged groups use trail bridges to improve safe access to basic services (health, education market, farms and employment opportunities) at local level.			
<b>Output 1: Local communities construct and maintain trail bridges with the support DDCs.</b>	1.1. Construction of 2,500 bridges by the end of the phase 1.2. Routine maintenance (RM) of 6,500 bridges annually (cumulative 32,500 bridges in 5 years) 1.3. Major Maintenance of 800 bridges (including rehabilitation) 1.4. Bridges beyond 250 metres only constructed by LBD from August 2014 1.5. LBD starts LSTB bridge construction through DDC/DTO by December 2014.	<ul style="list-style-type: none"> <li>• Work Completion certificates</li> <li>• DDCs' Annual Report</li> <li>• PMIS</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare DDCs periodic plan and DDC/DTO annual plan</li> <li>• Insert/ locate constructed and planned bridges in DTMP</li> <li>• Conduct baseline survey</li> <li>• Collect and compile bridge further demands from across the districts</li> <li>• Prioritize new demands</li> <li>• Prepare Procurement Plan of DDC/DTO</li> <li>• Construct bridges in order of priority</li> <li>• Procure wire ropes and bulldog grips from the centre</li> <li>• Procure construction materials (except wire ropes, bulldog grips, and locally available materials) by DDC/DTO</li> <li>• Sign MOU with the Community to construct SSTB bridge</li> <li>• Hire NGOs to provide technical and social support to communities for SSTB bridge construction</li> <li>• 1.8 Construct LSTB bridges by DDCs through private sector on turnkey (lump sum) modality</li> <li>• Revive/ appoint BWs/BMCs for RM (DDCs through VDCs)</li> <li>• Monitor quality of constructed bridges through DTO</li> <li>• Monitor performance of RM through DDCs/VDCs</li> <li>• Update DBR at districts through DDC/DTO</li> <li>• Update NTBD at the centre</li> <li>• Prepare/update Trail Bridge Directory (trail bridge inventory) by DDC and National Trail Bridge Directory at the centre</li> </ul>

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Activities
<b>Output 2: Local bodies and local communities (including CBOs / NGOs and private sector) strengthen their capacity to implement trail bridge programme at local level</b>	2.1 300 trained technical personnel available in 75 districts 2.2 All 75 DDCs have a delegation agreement with NGOs. 2.3 Consulting firms /NGOs are providing technical services at district level 2.4 25 fabricators are available to manufacturing steel parts as per standards 2.4 30 consultants are available to provide engineering services including monitoring and inspection 2.5 At least Trained engineer (1) and assist / sub-engineer (1) are assigned for trail bridge program in all districts 2.6 All 75 DDCs adhere to TBS/LIDP and its core Manuals as well as the guidelines specified therein 2.7 Web-based PMIS including for Maintenance functional by the end of 2016	<ul style="list-style-type: none"> <li>• TBSIS Report</li> <li>• DDCs/DTOs Human Resource Monitoring Report</li> <li>• Bridge Site Visit / Monitoring Reports</li> <li>• Inspection Reports</li> <li>• Delegation Agreement between DDC and NGO</li> </ul>	<u><b>DDC/DTO level</b></u> <ul style="list-style-type: none"> <li>• Make Local Bridge Section / Unit functional at DTO with technical personnel</li> <li>• Hire NGOs for providing technical and social support to communities</li> <li>• Outsource the required regional support to consulting firms / NGOs</li> <li>• Organize training courses for DDCs / DTOs personnel, UC, consultants including monitors and inspectors, NGOs personnel, fabricators and contractors</li> <li>• Monitor the services and reports of NGOs</li> <li>• Check and approve each bridge survey and design</li> <li>• Monitor construction works of each bridge and conduct quality test of construction materials</li> <li>• Inspect and issue Work Completion Certificate</li> <li>• Monitor timely payment and equal pay for equal work to workers from UCs</li> <li>• Provide construction materials and funds to UCs in time</li> <li>• Submit progress reports to DoLIDAR</li> <li>• Inspect bridges regularly and update District Bridge Record with bridge conditions</li> </ul>

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Activities
<b>Outcome 2: GoN represented by MoFALD / DoLIDAR enforces TBS/LIDP in construction and maintenance of trail bridges.</b>			
<b>Output 3: DoLIDAR enhanced its capacity to enforce TBS/LIDP.</b>	3.1 A Local Bridge Directorate exists by the end of 2014/015 with the merger of LBS and SBD 3.2 The human resources at the Remote Areas Development Committee (RADC) are available at the disposal of the LBD 3.3 A standard list of qualified fabricators, consultants, material manufacturers (cement) and contractors is available 3.4 A national bridge inventory available 3.5 Periodically updated reference rates for materials, per metre bridge costs are available in the web 3.6 Technical audit and third party audit of at least 10 bridges are available every year 3.7 Reports of random monitoring and inspection of at least 10 bridges by LBD is available every year	<ul style="list-style-type: none"> <li>• PMIS and TBSIS reports</li> <li>• Bridge site visit and inspection reports</li> <li>• Annual report</li> <li>• Prioritized bridge list</li> </ul>	<u>LBD/DOLIDAR level</u> <ul style="list-style-type: none"> <li>• Establish LBD</li> <li>• Assess institutional capacity of DoLIDAR and LBD</li> <li>• Prepare and publish standard list of fabricators, consultants, material manufacturers (cement) and contractors</li> <li>• Carry out random monitoring and inspection at construction sites</li> <li>• Prepare web based GIS data map with bridge condition and flagging system</li> <li>• Carry out Impact Study of trail bridges</li> <li>• Review / update trail bridge policies and directives / manuals</li> <li>• Regularly maintain and update PMIS and TBSIS</li> <li>• Conduct technical audit and financial audit to ensure that observations are complied with</li> <li>• Carry out independent monitoring and inspection tasks through private sector</li> <li>• Monitor EIs training courses and its performances</li> <li>• Publish reference rates for materials</li> <li>• Publish per metre bridge rate</li> <li>• Prepare progress reports</li> </ul>

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Activities
<b>Output 4: Stakeholders at national level strengthen their capacity to select and use right technologies for trail bridge construction.</b>	4.1 Suitable type of trail bridges for Terai districts designed and tested 4.2 Test reports on suitability of trail bridges for the use of two and three wheelers are available 4.3 At least 1% of the bridges constructed by the end of the phase have beautification component 4.4 Special provision for transportation to Karnali districts and very remote parts of other districts functional by Sept. 2015 4.5 TB festival organized every year (exhibition, bridge warden day etc.) 4.6 Demarcation of LSTB and SSTB on the span of 120 metres revisited to increase the application of the more cost effective SSTB bridges) 4.7 Implementation modality with community approach for LSTB is available	<ul style="list-style-type: none"> <li>Research Reports</li> <li>Impact Study Reports</li> <li>Manuals and Guidelines</li> <li>Annual Progress Report</li> </ul>	<ul style="list-style-type: none"> <li>Carry out action-research on suitable type of trail bridges for Terai districts</li> <li>Pilot more cost effective SSTB bridges beyond 120m</li> <li>Introduce technological enhancement of gravity ropeway</li> <li>Initiate alternative of river crossing</li> <li>Review demarcation policy on application of SSTB and</li> <li>LSTB based on action research and findings of piloting</li> <li>Expand community approach for LSTB bridges</li> <li>Review implementation modality of LSTB based on findings of action research and findings of piloting</li> <li>Carry out different impact studies and assessments</li> <li>Update manuals and guidelines based on lessons learned</li> <li>Incorporate beautification of selected trail bridges</li> <li>Pilot power-trailer suspension bridges</li> <li>Implement technically challenging and multi-span trail bridges including those lying on international boundary</li> </ul>

#### Inputs

- Budget of US \$ 96 million from the centre including development partners and GoN
- 8% contributions for bridge construction and maintenance from DDCs/ VDCs
- 2% contributions for bridge construction and maintenance from UCs
- TA is made available in the areas of technical, social and financial management
- TA team includes: 35 professional at centre and Regional TA is implemented by local private consulting firms / NGOs.

## **Annex - II**

### **Outcome Summary for FY 2072/2073 (2015/2016)**

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S.N	Indicator	Phase Target (FY 2014 - 2019)	Achievements			Means of Verification	Status / Comments
			FY 2014/2015	FY 2015/2016	Total (till date)		
Outcome 1: Local communities, especially the Disadvantaged groups use trail bridges to improve safe access to basic services (health, education, markets, farms and employment opportunities) at local level							
1.1	Rural people have safe and improved access to service centers	3.75 million people including 1.8 million disadvantaged group (50%)	641,291 people including 365,536 (57%) disadvantaged group	822,843 people including 480,849 (58%) disadvantaged group	1,464,134 people including 846,385 (58%) disadvantaged group	Community Application Form & TBSIS	Target achieved as the beneficiaries are 1,949 per bridge which is higher than the target of 1,500 in the logframe
1.2	Increment in school attendance and visits to health centers	10% increment in school attendance and visits to health centers	22% increment in school attendance and 32% increment in people going to health facilities	22% increment in school attendance and 32% increment in people going to health facilities	22% increment in school attendance and 32% visits to health centers	PBBA 2015	Achieved. Increase in school attendance and patients at health centers are mainly because of safe crossings which provided access throughout the year and also shorter travelling time.
1.3	Market centers developed	500 market centers (20% of bridges)	Markets developed at 39% of bridge sites	Markets developed at 39% of bridge sites	Increment of shops / markets at 39% of bridge sites	PBBA 2015	Achieved. Due to change in route and increase in traffic flow, small business are established which contributes in improving local economy.
1.4	Employment created at local level	5.0 million person-days, including 50% disadvantaged group	845,955 p-days local employment including 532,952 p-days (63%) disadvantaged groups	1,108,921 p-days local employment including 722,881 p-days (65%) disadvantaged groups	1,954,873 p-days local employment including 1,255,833 p-days (64%) disadvantaged groups	Project Book & NGO Report	Achieved. Average employment is 2,627 p-days, out of which 41 LSTBs were completed in FY 2015/16, which generated on average approx. 6,700 p-days of employment.
1.5	Women representation in UCs	At least 40%	45% Women representation in UC	45% Women representation in UC	45% Women representation in UC	Community Agreement & Project Book	Overall target met. 93% of UCs have 40% and above women representation. Efforts are required to have 40% women representation at individual UCs.

S.N	Indicator	Phase Target (FY 2014 - 2019)	Achievements			Means of Verification	Status / Comments
			FY 2014/2015	FY 2015/2016	Total (till date)		
1.6	Representation of discriminated groups	Proportionate in all UCs	In 78% of UCs	In 83% of UCs	In 81% of UCs	Community Agreement & Project Book	Increase of 5% this fiscal year. Continue present practice of highlighting the importance of Prop. Rep. in UC and monitoring regularly.
1.7	Executive position to discriminated	At least one	100%	100%	100%	Community Agreement & Project Book	
<b>Outcome 2:</b> Government of Nepal, represented by MoFALD / DoLIDAR enforces Trail Bridge Strategy (TBS/LIDP) in construction and maintenance of trail bridges							
2.1	LBD created with merger of SBD	Functional by July 2016	-	-	-	Decision of DoLIDAR	Delayed
2.2	All trail bridges incorporated in annual plan of Local Bodies	All trail bridge programme including centrally implemented included in annual plan of Local Bodies	All DDCs	All DDCs	All DDCs	Programme reviewed by MoFALD	Achieved
2.3	Public Hearing & Public Audit in all SSTB bridges	All SSTB bridges	PH 100% and PA of 71% community bridge sites	PH 100% and PA of 76% community bridge sites	PH 100% and PA 81% at community bridge sites	Project Book & NGO Report	Public Audit shall be organized at remaining bridge sites within 3months of its completion.
2.4	Application of Technical standards and demarcation convention	Application of technical standards and demarcation convention mandatory for all bridge building agencies	Practiced by all stakeholders	Practiced by all stakeholders	Practiced by all stakeholders	Working experience	Achieved. TBSU monitors and provides punctual support to assure quality by visiting bridge sites during critical milestones.



## **Annex - III**

### **Output Summary for FY 2072/2073 (2015/2016)**

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Outputs	Phase Target (2071/072 - 2075/076)	Achievements			Target for FY 2073/074
		FY 2071/072	FY 2072/073	Cumulative	
Routine Maintenance	32,500 bridges	4,778 bridges	4,766 bridges	9,544 bridges	6,268 bridges
Major Maintenance	800 bridges	141 bridges	220 bridges	361 bridges	280 bridges
New Construction (completion)	2,500 brides	342 bridges	422 bridges	764 bridges	583 bridges
TB course (35 days) for Engineers	25 persons	-	28 persons	28 persons	-
TB course (35 days) for Sub-Engineers	25 persons	-	-	-	-
TB course (35 days) Asst. Sub-Engineers	30 persons	12 persons	-	80 persons	30 persons
Refresher Technical Course for Engineers	60 persons	-	-	-	-
Refresher Technical Course for Sub Engineers	100 persons	34 persons	-	34 person	-
Refresher technical course for Asst. Sub-Engineers (NGOs)	120 persons	26 persons	54 persons	80 persons	76 persons
Demonstrative Model Bridge Trainings for Bridge Crafts persons	5,000 persons	312 persons	586 persons	898 persons	600 persons
Routine Maintenance Training for Bridge Wardens	4,000 persons	607 persons	709 persons	1,316 persons	900 persons
Social Mobilization Refresher workshop	-	70 persons	31 persons	101 persons	58 persons
Community Leadership Training for Women UC members	-	70 persons	86 persons	156 persons	100 persons
Publication and printing of other instructional materials	5			-	1
Load testing of 2% sample new bridges	50 bridges	3 bridges	7 bridges	10 bridges	6 bridges
Third party investigation of trail bridges	10	-	-	-	2
Lab test of construction materials	1,900 bridges	350 bridges	503 bridges	853 bridges	400 bridges

Outputs	Phase Target (2071/072 - 2075/076)	Achievements			Target for FY 2073/074
		FY 2071/072	FY 2072/073	Cumulative	
Baselines, Post Bridge Building Assessment, Case studies	5	2	3	5	3
Modular Course for Asst. Sub - Engineer	-	-	-	-	40 persons
Appreciative Leadership and Organizational Development	-	-	-	-	5 persons
SAP 2000 Training	-	-	-	-	10 persons

## **Annex - IV**

### **Trail Bridge SWAp Annual Achievement 2072/2073 (2015/2016)**

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## Overview of Trail Bridge Outputs after implementation of Trail Bridge Sector Wide Approach

Funding agency	TB SWAp Framework-I					TB SWAp Framework-II		Total
	2066/067	2067/068	2068/069	2069/070	2070/071	2071/072	2072/073	
	2009/010	2010/011	2011/012	2012/013	2013/014	2014/015	2015/016	
GoN-District program	63	55	131	167	241	188	257	657
RAIDP	20	12	7	0	0	0	0	39
DRILP-AF	32	40	22	35	53	37	75	219
RRRSDP	46	75	116	49	0	0	0	286
RAP	0	0	0	0	30	43	21	73
GoN - SBD	7	8	6	14	13	30	35	78
RADC	5	8	20	14	15	16	15	78
PAF	2	3		2	2	1	0	10
KAAA-BGN	21	22	22	19	20	20	19	124
Others		2	1			7	0	10
<b>Total</b>	<b>196</b>	<b>225</b>	<b>325</b>	<b>300</b>	<b>374</b>	<b>342</b>	<b>422</b>	<b>1762</b>

## Trail Bridge Sector-Wide Approach Annual Progress Report FY 2072/2073 GoN Funded District-wise Programme

SN	Cluster	District	Routine Maintenance	Major Maintenance	New Construction
1	Eastern Region	Taplejung	102	10	10
2		Panchathar	120	1	5
3		Ilam	132	1	5
4		Sankhuwasabha	108	3	12
5		Terhathum	87	2	5
6		Bhojpur	113	5	4
7		Dhankutta	42	0	4
8		Solukhumbu	26	0	10
9		Okhaldhunga	91	7	8
10		Khotang	163	1	6
11		Udaypur	61	6	5
12		Jhapa	6	0	4
13		Morang	43	0	5
14		Sunsari	12	0	4
15		Saptari	3	0	0
16		Siraha	0	0	1
Total			1109	36	88
1	Center Region	Dolakha	150	6	7
2		Ramechhap	103	7	16
3		Sindhuli	88	2	4
4		Kabhrepalanchowk	32	0	6
5		Sindhupalchowk	23	13	5
6		Kathmandu	0	0	2
7		Bhaktapur	0	0	2
8		Lalitpur	40	3	4
9		Nuwakot	75	9	6
10		Rasuwa	62	15	5
11		Dhading	43	0	4
12		Makawanpur	49	5	4
13		Chitwan	47	0	6
14		Dhanusa	0	0	0
15		Mohattari	0	0	4
16		Sarlahi	0	0	1
17		Rautahat	0	0	1
18		Bara	0	0	1
19		Parsa	0	0	2
Total			712	60	80

SN	Cluster	District	Routine Maintenance	Major Maintenance	New Construction
1	Western Region	Gorkha	132	5	6
2		Tanahun	84	4	7
3		Lamjung	143	2	10
4		Syanja	71	5	4
5		Kaski	125	1	14
6		Mayagdi	169	14	18
7		Parbat	130	3	3
8		Baglung	121	1	11
9		Gulmi	171	1	6
10		Palpa	133	4	7
11		Arghakhanchi	69	1	7
12		Manang	52	4	2
13		Mustang	44	3	3
14		Nawalparasi	47	0	4
15		Kapilbastu	0	0	1
16		Rupendehi	11	0	3
Total			1502	48	106
1	Mid & Far Western Region	Pyuthan	109	0	5
2		Rolpa	144	0	12
3		Rukum	95	5	9
4		Surkhet	62	5	12
5		Dailekh	58	7	8
6		Jajarkot	76	1	4
7		Salyan	43	0	7
8		Dang	36	5	8
9		Humla	40	1	5
10		Dolpa	55	2	7
11		Mugu	45	3	7
12		Jumla	38	3	6
13		Kalikot	33	2	9
14		Banke	7	1	2
15		Bardiya	3	0	0
Total			844	35	101
1	Far-Western Region	Achham	24	8	8
2		Bajhang	106	2	5
3		Kailali	33	2	5
4		Kanchanpur	9	4	3
5		Bajura	72	5	2
6		Doti	101	10	1
7		Dadeldhura	43	1	7
8		Baitadi	104	5	10
9		Darchula	107	4	6
Total			599	41	47
Grand Total			4766	220	422



## **Annex - V**

### **Agency wise Bridge Completion FY 2072/2073**

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# Trail Bridge Sector-Wide Approach

## Annual Progress Report FY 2072/2073

### Agency wise Funded Completed Trail Bridges

SN	Dev Region	District	TB SWAp			SBD	RADC	KAAA-BGN
			GoN District Programme	DRILP-AF	RAP-3			
1	Eastern Region	Taplejung	0	7		1	1	1
2		Panchathar	5					
3		Ilam	5					
4		Sankhuwasabha	7			1		4
5		Terhathum	5					
6		Bhojpur	4					
7		Dhankutta	3			1		
8		Solukhumbu	8				1	1
9		Okhaldhunga	0	7				1
10		Khotang	4			1		1
11		Udaypur	5					
12		Jhapa	4					
13		Morang	5					
14		Sunsari	4					
15		Saptari	0					
16		Siraha	1					
Total			60	14	0	4	2	8
1	Center Region	Dolakha	7					
2		Ramechhap	0	15		1		
3		Sindhuli	4					
4		Kabhrepalanchowk	5			1		
5		Sindhupalchowk	3				2	
6		Kathmandu	2					
7		Bhaktapur	2					
8		Lalitpur	3			1		
9		Nuwakot	6					
10		Rasuwa	3				2	
11		Dhading	3				1	
12		Makawanpur	1			1		2
13		Chitwan	6					
14		Dhanusa	0					
15		Mohattari	4					
16		Sarlahi	1					
17		Rautahat	0			1		
18		Bara	1					
19		Parsa	2					
Total			53	15	0	5	5	2

SN	Dev Region	District	TB SWAp			SBD	RADC	KAAA-BGN
			GoN District Programme	DRILP-AF	RAP-3			
1	Western Region	Gorkha	0	2		2	1	1
2		Tanahun	7					
3		Lamjung	0	10				
4		Syanja	4					
5		Kaski	10			3		1
6		Mayagdi	1	15				2
7		Parbat	3					
8		Baglung	0	9				2
9		Gulmi	5			1		
10		Palpa	5			2		
11		Arghakhanchi	7					
12		Manang	2					
13		Mustang	3					
14		Nawalparasi	3			1		
15		Kapilbastu	1					
16		Rupendehi	3					
Total			54	36	0	9	1	6
1	Mid & Far Western Region	Pyuthan	3			1		1
2		Rolpa	10				1	1
3		Rukum	7			2		
4		Surkhet	6			6		
5		Dailekh	7			1		
6		Jajarkot	3			1		
7		Salyan	7					
8		Dang	6			2		
9		Humla	0		4		1	
10		Dolpa	4				2	1
11		Mugu	4		2		1	
12		Jumla	3		3			
13		Kalikot	3		5		1	
14		Banke	2					
15		Bardiya	0					
Total			65	0	14	13	6	3
1	Far-Western Region	Achham	0		6	2		
2		Bajhang	5					
3		Kailali	5					
4		Kanchanpur	3					
5		Bajura	2					
6		Doti	0		1			
7		Dadeldhura	7					
8		Baitadi	0	10				
9		Darchula	3			2	1	
Total			25	10	7	4	1	0
Grand Total			257	75	21	35	15	19
			422					

## **Annex – VI**

### **List of Trail Bridges Completed in FY 2072/2073**

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## GoN Funded District Programme

Dev Region	SN	Name of Districts	2009/010	2010/011	2011/012	2012/013	2013/014	2014/015	2015/2016	Total
Eastern Region	1	Taplejung	0	0	0	0	0	8	0	8
	2	Panchthar	1	0	0	0	8	4	4	17
	3	Ilam	4	0	0	2	5	13	5	31
	4	Dhankuta	0	0	0	0	5	2	3	10
	5	Terhathum	1	1	1	5	5	2	5	20
	6	S Sava	0	0	6	1	6	0	7	20
	7	Bhojpur	0	1	0	7	7	3	4	22
	8	Udaypur	0	0	5	4	4	4	5	22
	9	Solukhumbu	0	0	3	6	5	7	8	29
	10	Khotang	0	0	8	2	4	2	4	20
	11	Okhaldhunga	0	0	0	0	0	4	0	4
	12	Jhapa	0	0	0	0	4	4	4	12
	13	Morang	0	0	0	0	5	3	5	13
	14	Sunsari	0	1	0	0	3	4	4	12
	15	Saptari	0	0	2	0	1	4	0	7
	16	Siraha	0	0	0	2	2	0	1	5
	Sub-Total		6	3	25	29	64	64	59	252
Central Region	1	Dhanusha	0	0	0	1	0	3	0	4
	2	Mahottari	0	0	0	2	1	1	4	8
	3	Sarlahi	0	0	1	1	3	1	1	7
	4	Rautahat	0	0	4	1	1	1	0	7
	5	Bara	0	0	0	0	0	1	1	2
	6	Parsa	0	0	0	2	4	0	2	8
	7	Dolakha	1	0	1	0	7	0	7	16
	8	Sindhuli	2	0	0	0	6	6	4	18
	9	Sindhupalchok	4	0	0	0	3	4	3	14
	10	Kavrepalanchowk	5	0	0	0	2	2	5	14
	11	Bhaktapur	0	0	3	3	0	2	2	10
	12	Kathmandu	0	0	0	2	1	2	2	7
	13	Lalitpur	1	0	1	0	2	2	3	9
	14	Rasuwa	0	0	4	2	4	0	3	13
	15	Nuwakot	0	3	5	9	8	10	6	41
	16	Dhading	0	3	2	7	5	5	3	25
	17	Chitawan	1	1	0	0	3	3	6	14
	18	Makawanpur	1	3	2	5	5	3	1	20
	19	Ramechhap	0	0	0	0	0	3	0	3
	Sub-total		15	10	23	35	55	49	53	240

Dev Region	SN	Name of Districts	2009/010	2010/011	2011/012	2012/013	2013/014	2014/015	2015/2016	Total
Western Region	1	Kaski	0	2	5	5	3	5	10	30
	2	Gorkha	0	1	2	0	0	0	0	3
	3	Lamjung	1	1	0	0	0	7	0	9
	4	Manang	0	0	0	0	3	0	2	5
	5	Tanahun	1	1	4	4	1	0	7	18
	6	Syangja	0	0	1	2	8	3	4	18
	7	Parbat	0	0	0	3	4	0	3	10
	8	Baglung	2	4	4	0	0	7	0	15
	9	Myagdi	0	0	0	0	0	8	1	9
	10	Mustang	0	0	0	0	2	5	3	10
	11	Palpa	0	4	4	6	5	6	5	30
	12	Nawalparasi	0	0	4	3	1	2	3	13
	13	Arghakhachi	3	2	1	3	7	1	7	24
	14	Gulmi	2	2	3	4	6	5	5	27
	15	Rupendehi	0	0	1	1	3	2	3	10
	16	Kapilbastu	0	0	1	1	0	2	1	5
	Sub-Total		9	17	30	32	43	53	54	236
	Mid- Western Region	1	Rukum	0	0	0	2	4	4	6
2		Salyan	0	0	0	1	1	5	7	14
3		Rolpa	0	0	0	1	2	8	11	22
4		Pyuthan	1	3	4	5	11	2	3	29
5		Dang	5	2	4	3	6	5	6	31
6		Kalikot	0	0	3	2	4	5	3	17
7		Dolpa	0	0	2	2	3	3	4	14
8		Jumla	0	0	3	3	2	6	3	17
9		Mugu	0	0	2	3	0	5	4	14
10		Humla	1	1	0	1	2	4	0	9
11		Jajarkot	0	3	2	5	6	5	3	24
12		Dailekh	5	1	4	8	2	7	6	33
13		Surkhet	2	2	4	8	4	3	6	29
14		Banke	0	1	1	0	4	0	2	8
15		Bardiya	0	0	0	0	1	3	0	4
Sub-total		14	13	29	44	52	65	64	281	
Far-Western Region		1	Achham	2	2	3	3	2	2	0
	2	Bajhang	1	0	4	5	6	7	5	28
	3	Kailali	2	0	1	3	2	1	5	14
	4	Kanchanpur	1	1	0	2	2	0	3	9
	5	Doti	1	1	10	3	3	10	0	28
	6	Bajura	0	1	1	5	0	8	2	17
	7	Dadeldhura	0	0	0	1	6	2	7	16
	8	Baitadi	0	0	0	0	0	3	0	3
	9	Darchula	1	0	5	5	6	4	3	24
	Sub-total		8	5	24	27	27	37	25	153
Total in 75 Districts			52	48	131	167	241	268	257	1164

**DRILP-AF supported Districts**

Clusters	SN	Name of Districts	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Eastern	1	Taplejung	0	5	5	6	0	4	6	3	3	7	7	46
	2	Okhladhunga	0	0	3	4	1	4	4	4	4	2	7	33
	Sub Total		0	5	8	10	1	8	10	7	7	9	14	79
Central	3	Ramechhap	0	4	6	5	7	5	2	2	7	3	15	56
	Sub Total		0	4	6	5	7	5	2	2	7	3	15	56
Western	4	Gorkha	0	0	0	6	4	3	6	2	8	0	2	31
	5	Lamjung	0	4	1	4	8	4	1	6	2	7	10	47
	6	Baglung	0	0	6	0	8	6	0	6	10	7	9	52
	7	Magdi	0	4	0	1	1	8	0	7	10	8	15	54
	Sub Total		0	8	7	11	21	21	7	21	30	22	36	184
Mid and Far Western	8	Baitadi	0	4	0	4	3	6	3	5	9	3	10	47
	Sub Total		0	4	0	4	3	6	3	5	9	3	10	47
Grand Total			0	21	21	30	32	40	22	35	53	37	75	366

**RAP-3 supported Districts**

Clusters	SN	Name of Districts	2013/014	2014/015	2015/016	Total
Mid and Far Western	1	Dailkeh	3	9	0	12
	2	Achham	9	10	6	25
	3	Doti	4	6	1	11
	4	Bajura	4	7	0	11
	Sub Total		20	32	7	59
SFU-Surkhet	5	Kalikot	1	1	5	7
	6	Jumla	3	3	3	9
	7	Humla	1	2	4	7
	8	Mugu	5	5	2	12
	Sub Total		10	11	14	35
Grand Total			30	43	21	94



**Trail Bridge Sector Wide Approach**  
**GoN Funded District Programme Trail Bridge List FY 2072/2073**

SN	Bridge number	Name	Type	Span (m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
District: Panchthar							
1	02 5 008 18 06 1	Odare	Suspended-SSTB	54	Sewa Khola	Memeng	Memeng
2	02 5 010 18 06 2	Rasane	Suspended-SSTB	72	Ogimba	Sidin	Sidin
3	02 5 010 18 06 3	Namluwa	Suspended-SSTB	70	Muwa Khola	Sidin	Prangbung
4	02 5 020 18 06 3	Lama Khola	Suspended-SSTB	80	Lama Khola	Ranitar	Ranitar
5	02 5 030 18 06 01	Maksingwa Dovan Bridge	Suspended-SSTB	60	Nibu Khola	Aasarang	Nawamidanda
District: Ilam							
1	03 5 005 18 06 2	Dovane	Suspended-SSTB	50	Mayum	Pashupatinagar	Gorkhe
2	03 5 019 18 06 1	Boltar	Suspended-SSTB	105	Lewakhola	Chisapani	Chisapani
3	03 5 038 18 06 1	Jungetar	Suspended-SSTB	83	Mugekhola	Aamchok	Fuyatappa
4	03 5 042 18 06 2	Tintalebhir	Suspended-SSTB	81	Inglakhola	Jamuna	Jamuna
5	03 5 045 18 06 1	Simaltar	Suspended-SSTB	89	Sunduwa	Bajho	Bajho
District: Jhapa							
1	04 5 015 18 06 01	Sukhani	Suspended-SSTB	75	Rekha Khola	Shanishchare	Shanishchare
2	04 5 004 18 06 1	Chaukibiran	Suspension-SSTB	108	Kajali	Jalthal	Jalthal
3	04 5 014 18 06 2	Masanghat	Suspension-SSTB	105	Deuniya	Chandragadi	Garamuni
4	04 5 022 18 06 1	Dhagere Bhangola	Suspension-SSTB	117	Hadiya	Jyamirgadi	Duwagadi
District: Morang							
1	05 5 034 18 06 1	Nadolung	Suspended-SSTB	90	Chisang	Barangi	Singhdevi
2	05 5 007 18 06 1	Manakamana	Steel Truss	28	Purano Ratuwa	Mahadewa	Mahadewa
3	05 5 012 18 06 1	Kuda	Steel Truss	28	Pathari	Hasandaha	Hasandaha
4	05 5 032 18 06 1	Paita	Steel Truss	28	Gadiya	Amahivariyati	Amahivariyati
5	05 5 045 18 06 1	Bhulkeghat	Steel Truss	28	Maghuna	Mrigauliya	Mrigauliya
District: Sunsari							
1	06 3 001 18 06 02	Bishnu Paduka	Suspended-SSTB	80	Koka Khola	Dharan Municipality	Dharan Municipality
2	06 5 027 18 06 1	Barchhuwa	Steel Truss	32	Gadankhola	Chandbela	Chandbela
3	06 5 035 18 06 02	Janta	Steel Truss	32	Thalaha	Aurabani	Aurabani
4	06 5 017 18 06 01	Hero Ghat	Steel Truss	32	Budhi	Chimdi	Ramgunjbelgachhiya
District: Dhankuta							
1	07 5 025 18 06 2	Ahalephedi	Suspended-SSTB	60	Kewa khola	Chanuwa	Aakhibhuie
2	07 5 011 18 06 1	Chhawa Khola	Steel Truss	32	Chhawa Khola	Rajarani	Bashantatar
3	07 5 026 18 06 2	Jaldevi	Steel Truss	24	Leguwa	Marek Katahare	Dandagaun
District: Terhathum							
1	08 5 006 18 06 1	Amphuwadovan	Suspended-SSTB	80	Amphuwa	Piple	Jirikhimti
2	08 5 030 18 06 02	Hattijung Bridge	Suspended-SSTB	52	Hattijung Khola	Morahang	Morahang
3	08 5 030 18 06 03	Chharchhare Truss	Suspended	28	Chharchhare	Morahang	Morahang

SN	Bridge number	Name	Type	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
4	08 5 029 18 06 2	Chapleti	Steel Truss	28	Limbukhola	Samdru	Samdru
5	08 5 032 18 06 1	Deurali	Steel Truss	32	Sadhuwa	Srijung	Pawthak
District: Sangkhuwasabha							
1	09 3 001 18 06 1	Pangma	Suspended-SSTB	63	Pangma	Khandbari Municipality	Khandbari Municipality
2	09 5 005 18 06 1	Pekla	Suspended-SSTB	49	Sankhuwa	Tamphu	Bala
3	09 5 007 18 06 1	Thankharka	Suspended-SSTB	90	Thankharka	Makalu	Makalu
4	09 5 008 18 06 2	Mewa bridge	Suspended-SSTB	100	Enduwa	Noom	Noom
5	09 5 023 18 06 1	Pherunge	Suspended-SSTB	74	Piluwa	Mawadin	Siddhakali
6	09 5 008 18 06 3	Thulokhola	Steel Truss	32	Thulokhola	Noom	Noom
7	09 5 018 18 06 3	Voti	Steel Truss	32	Votikhola	Shavapokhari	Shavapokhari
District: Bhojpur							
1	10 5 011 18 06 1	Sangutar	Suspended-SSTB	69	Syamkhola	Kimalung	Kimalung
2	10 5 011 18 06 2	Kholakharka	Suspended-SSTB	91	Shyamkhola	Kimalung	Kimalung
3	10 5 025 18 06 1	Bhaletar	Suspended-SSTB	63	Pikhuwa Khola	Siddheshwor	Khaba
4	10 5 034 18 06 1	Baglen	Steel Truss	24	Baglen	Annapurna	Khaba
District: Solukhumbu							
1	11 5 012 18 06 1	Kanku Khola	Suspended-SSTB	90	Kanku Khola	Kanku	Kanku
2	11 5 016 18 06 1	Phorche Dovan	Suspended-SSTB	85	Inkhu Khola	Waku	Powai
3	11 5 006 18 06 01	Nabuk Khola	Suspended-SSTB	72	Nabuk Khola	Chourikharka	Chourikharka
4	11 5 014 18 06 01	Likhu Khola	Suspended-SSTB	58	Likhu pokhu Khola	Bung	Bung
5	11 5 012 18 06 02	Holafyar	Suspended-SSTB	101	Kanku Khola	Kanku	Kanku
6	11 5 029 18 06 01	Sisha Khola	Suspended-SSTB	66	Sisha Khola	Gorakhani	Gorakhani
7	11 5 015 18 06 01	Ngayai	Suspended-SSTB	88	Bhudum Khola	Gudel	Gudel
8	11 5 024 18 06 02	Kartike Khola	Steel Truss	32	Kartike Khola	Deusa	Deusa
District: Khotang							
1	12 5 017 18 06 1	Nauwa Puchhar	Suspended-SSTB	54	Liding Khola	Rakhawagndel	Ainselukharka
2	12 5 063 18 06 01	Kavre khola	Suspended-SSTB	60	Kavrekhol	Chishapani	Damarkhushiwalaya
3	12 5 028 18 06 2	Bhalu Kore	Steel Truss	32	Lapse Khola	Cheuredadha	Cheuredadha
4	12 5 055 18 06 1	Satale Truss	Steel Truss	24	Tuwa Khola	Chipring	Satyashwor Chittapokhari
District: Okhaldhunga							
5	13 5 017 18 06 02	Bajhe Dovan	Suspended-SSTB	43.2	Khani Khola	Jantarkhani	Jantarkhani
District: Udayapur							
1	14 3 001 18 06 2	Charghare	Suspended-SSTB	90	Triyuga	Triyuga Municipality	Triyuga Municipality
2	14 5 009 18 06 2	Amsal	Suspension-SSTB	120	Kalikhola	Bashaha	Bashaha
3	14 5 015 18 06 2	Subitar	Steel Truss	24	Rakuli	Aptar	Aptar
4	14 5 027 18 06 1	Hattimara	Steel Truss	32	Hattimara	Shorung	Shorung
5	14 5 042 18 06 1	Kharidovan	Steel Truss	28	Rasuwa	Bhutar	Bhutar
District: Siraha							
1	16 5 002 18 06 1	Aamahi	Steel Truss	32	Mutni River	Bhadaiya	Bhadaiya
District: Mahottari							
1	18 5 038 18 06 01	Brahmasthan	Suspension-SSTB	91	Aunkshi	Gonarpura	Gonarpura
2	18 5 039 18 06 01	Kutti (Mandir) Ghat	Steel Truss	32	Rato Khola	Angkar	Badiya Banchauri

SN	Bridge number	Name	Type	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
3	18 5 054 18 06 01	Mahadev Ghat	Steel Truss	24	Jungha	Bathanaha	Bathanaha
4	18 5 031 18 06 02	Jhinjha	Steel Truss	24	Jhinjha Khola	Ramgopalpur	Ramgopalpur
District: Sarlahi							
1	19 5 013 18 06 01	Maisthan	Suspended-SSTB	74.1	Lakhandehi Khola	Narayankhola	Narayankhola
District: Sindhuli							
1	20 5 010 18 06 2	Phedi	Suspended-SSTB	54	Kumra	Mahendra Ladabhir	Mahendra Ladabhir
2	20 5 048 18 06 1	Kattikephedi	Suspended-SSTB	101	Kokhjar	Shanteshwari Rampur	Kapilakot
3	20 5 007 18 06 1	Lampate	Steel Truss	28	Sandane	Arunthakur	Arunthakur
4	20 5 009 18 06 1	Agrakhe	Steel Truss	24	Sinkaule	Mayakhu	Kakur Thakur
District: Dolakha							
1	22 5 032 18 06 1	Takding	Suspended-SSTB	40	Yalung Khola	Mali	Mali
2	22 5 046 18 06 1	Tori Bari Bridge	Suspended-SSTB	60	Kyangthali Khola	Dandakharka	Magapauwa
3	22 5 049 18 06 1	Maure Khola	Suspended-SSTB	105	Tamakosi	Khare	Worang
4	22 5 033 18 06 01	Gairi (RC)	Suspended-SSTB	36	Kuthali Khola	Suspa Kshyamawati	Bhimeswor Municipality
5	22 5 003 18 06 1	Patakari Truss	Steel Truss	32	Dhunge Khola	Jiri	Jiri
6	22 5 036 18 06 2	Ghatte Khola Truss	Steel Truss	32	Ghatte Khola	Lapilang	Lapilang
7	22 5 041 18 06 3	Gandu Khola Truss	Steel Truss	24	Gandu Khola	Kalinchok	Kalinchok
District: Sindhupalchok							
1	23 5 014 18 06 1	Mahabir Khola	Suspended-SSTB	66	Mahabir Khola	Tauthali	Piskar
2	23 5 061 18 06 01	Sindhu Khola	Suspended-SSTB	73	Sindhukhola	Melamchi	Melamchi
3	23 5 072 18 06 02	Shyangtang Bisaune(PAF)	Suspended-SSTB	56.2	Sun Khola	Pangtang	Pangtang
District: Kabhrepalanchok							
1	24 5 026 18 06 1	Syanojyamire	Suspended-SSTB	75	Kokhajor Khola	Kapilakot	Wanakhu
2	24 5 026 18 06 4	Rancha Khola	Suspended-SSTB	65	Rancha Khola	Shanteshwari Rampur	Wanakhu
3	24 5 049 18 06 1	Lamiduwali	Suspended-SSTB	60	Khani Khola	Salme Taldhunga	Saldhara
4	24 5 051 18 06 1	Ladkeshwar	Suspended-SSTB	100	Ladku Khola	Balthali	Balthali
5	24 5 002 18 06 1	Besare	Steel Truss	32	Pokhara Khola	Phoksingtar	Phoksingtar
District: Lalitpur							
1	25 5 011 18 06 1	Tungun Khola Masbhanjyang	Suspended-SSTB	89	Tungun Khola	Ikudol	Ikudol
2	25 5 015 18 06 2	Naman Khola Gokuldhup	Suspended-SSTB	60	Naman Khola	Chandanpur	Chandanpur
3	25 5 014 18 06 1	Ghatte Ghat Truss	Steel Truss	24	Bhalu Khola	Asrang	Asrang
District: Bhaktapur							
1	26 5 003 18 06 1	Sugure Khola Truss	Steel Truss	20	Sugure Khola	Nagarkot	Bageshwari
2	26 5 005 18 06 2	Gadgade Truss	Steel Truss	24	Sali Nadi	Chhaling	Sangkhu Suntol
District: Kathmandu							
1	27 5 001 18 06 2	Pokhari Khola	Suspended-SSTB	57	Dhadh Khola	Nanglebhare	Baluwa Pati Naldhun
2	27 1 001 18 06 3	Dhobi Khola	Steel Truss	20	Dhobikhola	Kathmandu Metropolitan	Kathmandu Metropolitan
District: Nuwakot							
1	28 5 053 18 06 2	Ratbise	Suspended-SSTB	54	Khahare Khola	Kalyanpur	Kalyanpur

SN	Bridge number	Name	Type	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
2	28 3 001 18 06 1	Sathimure	Suspended-SSTB	82	Tadi Khola	Jiling	Bidur
3	28 5 018 18 06 1	Chalise	Suspended-SSTB	100	Likhku	Sikre	Mahakali
4	28 5 020 18 06 1	Mandredhunga	Suspended-SSTB	43	Thulo Khola	Ratmate	Jiling
5	28 5 035 18 06 2	Raptul	Suspended-SSTB	57	Raptul Khola	Urleni	Urleni
6	28 5 038 18 06 3	Kadambot	Suspended-SSTB	53	Gerkhu Khola	Gerkhu	Gerkhu
District: Rasuwa							
1	29 5 007 18 06 01M	Kaidaletar(Reconst.)	Suspended-SSTB	82.6	Trishuli	Laharepauwa	Tupche
District: Dhading							
1	30 5 041 18 06 1	Kotembang Bridge	Suspended-SSTB	104	Khiste Khola	Baireni	Baireni
2	30 5 017 18 06 2	Tatopani Bridge ( Re	Suspended-SSTB	88	Aankhu Khola	Sertung	Lapa
3	30 5 020 18 06 2	Machet Bridge	Suspended-SSTB	108	Matchet Khola	Tipling	Tipling
District: Makawanpur							
1	31 5 029 18 06 1	Tribeni Shankhamul	Suspension	114	Palung Khola	Palung	Daman
District: Bara							
1	33 5 026 18 06 1	Bakaiya (LSTB)	Suspended-SSTB	150	Bkaiya Khola	Nijgadh	Ratanpur
District: Parsa							
1	34 5 037 18 06 1	Naurangiya Khola	Steel Truss	32	Naurangiya Khola	Ramnagari	Bairiyabirta (Nau.Ta.Ja.)
2	34 5 010 18 06 02	Koniya Truss	Steel Truss	32	Soti Khola	Belwapersene	Belwapersene
District: Chitawan							
1	35 5 003 18 06 2	Khaitar Bridge	Suspended-SSTB	58	Lothar Khola	Lothar	Lothar
2	35 5 014 18 06 2	Ghatte Khola Bridge	Suspended-SSTB	48	Ghatte Khola	Dahakhani	Chandibhanjyang
3	35 5 021 18 06 2	Bhuyari Bridge	Suspended-SSTB	91	Samfryarang	Shaktikhor	Shaktikhor
4	35 5 022 18 06 4	Bharang Khola Bridge	Suspended-SSTB	87	Bharang Khola	Kaule	Kaule
5	35 5 022 18 06 5	Lamatar Bridge	Suspended-SSTB	91	Rigdi Khola	Kaule	Kaule
6	35 5 023 18 06 1	Tuntesh Bridge	Suspended-SSTB	62.5	Rigdi Khola	Chandibhanjyang	Chandibhanjyang
District: Manang							
1	38 5 010 18 06 3	Temro Bridge	Suspended-SSTB	53	Temro Khola	Thoche	Thoche
2	38 5 011 18 06 4	Kiupar Bridge Marsyangdi	Suspended-SSTB	118	Marsyangdi Nadi	Bagarchhap	Chame
District: Kaski							
1	39 5 004 18 06 03	Tuti Khola	Suspended-SSTB	74	Tuti Khola	Parche	Parche
2	39 5 020 18 06 01	Bijayapur	Suspended-SSTB	67	Bijayapur Khola	Lekhnath Municipality	Arba Bijaypur
3	39 5 023 18 06 01	Tulase Jyamire	Suspended-SSTB	75	kahu Khola	Mauja	Pokhara Sub Metropolitan
4	39 5 029 18 06 02	Kolongo Khola	Suspended-SSTB	89	Kolongo Khola	Ghandruk	Ghandruk
5	39 2 001 18 06 04	Sagumukh Sahibanjyang	Suspended-SSTB	84	Mausuli Khola	Pokhara Sub Metropolitan	Pokhara Sub Metropolitan
6	39 5 039 18 06 01	Rajabari	Suspended-SSTB	105	Adheri Khola	Dhikur Pokhari	Bhadauretamago
7	39 2 001 18 06 05	Devis Fall	Suspended-SSTB	39	Phewa Khola	Pokhara Sub Metropolitan	Pokhara Sub Metropolitan
8	39 5 004 18 06 04	Ghatte Khola Sikles	Suspended	75	Ghatte Khola	Parche	Parche
9	39 5 020 18 06 02	Ghatte Khola Lawangghalel	Suspended-SSTB	119	Sirbang Khola	Arba Bijaypur	Arba Bijaypur
10	39 5 042 18 06 03	Thado Khola	Suspended	52	Sajha Khola	Salyan	Dhikur Pokhari

SN	Bridge number	Name	Type	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
District: Tanahun							
1	40 5 007 18 06 2	Sude Bridge	Suspended-SSTB	84	Seti Gandaki	Pokharibhanjyang	Baidi
2	40 5 010 18 06 1	Birta Thatichaur Bridge	Suspended-SSTB	117	Kalesti Khola	Tanahunsur	Setiswara
3	40 5 040 18 06 2	Kyangdi Khola Bridge	Suspended-SSTB	100	Kyangdi khola	Dhorphidi	Bhimad
4	40 5 045 18 06 1	Khamare Bridge	Suspended-SSTB	98	Myagde Khola	Chhang	Manpang
5	40 3 001 18 06 01	Seti Nadi Byas Jhula	Suspended-SSTB	120	Madi River	Byas Municipality	Byas Municipality
6	40 5 008 18 06 1	Chundi Bhanu Bridge	Suspension-SSTB	105	Chundi Khola	Bhanu	Barbhanjyang
7	40 5 027 18 06 1	Nalbung LSTB Bridge	Suspension	129	Seti Nadi	Dharampani	Chhipchhipe
District: Syangja							
1	41 3 001 18 06 2	Gairikhet	Suspension-SSTB	87	Baadkhola	Putalibazar Municipality	Putalibazar Municipality
2	41 3 001 18 06 3	Duighare	Suspension-SSTB	114	Aandhi Khola	Putalibazar Municipality	Putalibazar Municipality
3	41 5 010 18 06 1	Aambot	Suspension-SSTB	50	Myang Khola	Kichanas	Orashte
4	41 5 030 18 06 1	Bhungane Raha	Suspension-SSTB	120	Aandhi Khola	Setidobhan	Phaparthum
District: Parbat							
1	42 5 009 18 06 1	Oralo Khola	Suspended-SSTB	77	Oralo Khola	Lekhphant	Ramche
2	42 5 017 18 06 2	Bhuka lumle	Suspended-SSTB	90	Mudi khola	Lumle	Bhuktangle
3	42 5 040 18 06 1	Chiwani nepte	Steel Truss	28	Nepte khola	Pakhapani	Pakhapani
District: Myagdi							
1	44 5 025 18 06 04	Baisari bridge	Suspended-SSTB	120	Kaligandaki	Arman	Bhagawati
District: Mustang							
1	45 5 013 18 06 2	Hop Khola	Suspended-SSTB	105	Hope Khola	Kunjo	Kunjo
2	45 5 013 18 06 3	Pang Khola	Suspended-SSTB	63	Pang Khola	Kunjo	Kunjo
3	45 5 015 18 06 01	Serkung steel Truss	Steel Truss	16	Tansarkhola	Kowang	Kowang
District: Palpa							
1	46 5 040 18 06 02	Damdamaha Ghat	Suspended-SSTB	88	Tinau khola	Koldanda	Madan Pokhara
2	46 5 050 18 06 02	Archale ghat	Suspended-SSTB	57	Iajar khola	Baldengadhi	Baldengadhi
3	46 5 016 18 06 01	Bhurlugdi Ghat	Suspended-SSTB	64	Arung Khola	Bahadurpur	Bahadurpur
4	46 5 021 18 06 02	Gape Ghat	Suspended-SSTB	67	Arung Khola	Jyamire	Jyamire
5	46 5 002 18 06 01	Dawn Ghat	Suspended-SSTB	44	Jhumsa Khola	Archale	Archale
District: Nawalparasi							
1	47 5 061 18 06 01	Utrayan	Suspended-SSTB	90	Turiya	Sunwal	Amraud
2	47 5 009 18 06 01	Boudi	Suspended	118	Boudi	Amarapuri	Mithukaram
3	47 3 001 18 06 1	Padatikar	Suspension-SSTB	84	Bhaluhi khola	Ramgram Municipality	Ramgram Municipality
District: Rupandehi							
1	48 5 006 18 06 09	Daldale Chisapanighat	Suspended-SSTB	100	Rohini Khola	Devdaha	Devdaha
2	48 5 055 18 06 02	Luthahawa	Suspension-SSTB	119.8	Tinau	Gonaha	Gonaha
3	48 5 020 18 06 02	Om Satiyamai	Suspension-SSTB	119.8	Rohini Khola	Patkhauli	Hattipharsatikar
District: Kapilbastu							
1	49 5 049 18 06 1	Jyoti Ghat	Suspension	71.8	Aaqiya Khola	Barkulpur	Barkulpur

SN	Bridge number	Name	Type	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
District: Arghakhanchi							
1	50 5 037 18 06 05	Karabesi bridge	Suspended-SSTB	94	Sit khola	Siddhara	Jukena
2	50 5 037 18 06 06	Sota khola jho.pu	Suspended-SSTB	88	Sota Khola	Siddhara	Siddhara
3	50 5 037 18 06 07	Dhodeni	Suspended-SSTB	75	Kusama Khola	Siddhara	Siddhara
4	50 5 032 18 06 03	Bhalu khola	Suspended-SSTB	61	Bhalu Khola	Simalpani	Simalpani
5	50 5 002 18 06 01	Ganuwa	Suspended-SSTB	110	Keduwa Khola	Darbardevisthan	Chidoka
6	50 5 035 18 06 02	Ransing bridge	Suspension-SSTB	146	Ransing khola Tinkhande	Jaluke	Jaluke
7	50 5 020 18 06 01	kharipata truss	Steel Truss	32	Khanchi khola	Sandhikharka	Anguri
District: Gulmi							
1	51 5 013 18 06 02	Jumdikhola Ghat	Suspended-SSTB	54	Jumdikhola	Hasara	Jahang
2	51 5 058 18 06 02	Chisakhola	Suspended-SSTB	70	Panaha Khola	Jaisithok	Nayagaun
3	51 5 062 18 06 01	Vegute Ghat	Suspended-SSTB	49	Vegute Khola	Arkhabang	Arkhabang
4	51 5 079 18 06 02	Balwaghat	Suspended-SSTB	71	Badi Gaad	Gwadi	Paudi Amarado
5	51 5 071 18 06 01	Baskhola	Suspended-SSTB	115	Arjekhola	Arje	Dhamir
District: Rukum							
1	52 5 023 18 06 1	Satipole Dovan	Suspended-SSTB	64	Pelma Khola	Ranmamaikot	Hukam
2	52 5 037 18 06 1	Kharkhara Bagar	Suspended-SSTB	79	Kharkhara khola	Aathbiskot	Aathbiskot
3	52 5 038 18 06 1	Dhar Khola	Suspended-SSTB	91	Dabling Khola	Baphikot	Magma
4	52 5 042 18 06 2	Okhle Suspended Bridge	Suspended-SSTB	79	Okhle khola	Syalakhadhi	Syalakhadhi
5	52 5 001 18 06 02	Lamakhet	Suspended-SSTB	85	Khara Khola	Khara	Khara
6	52 5 029 18 06 01	Solabang	Suspended-SSTB	117	Muglu Khola	Chhiwang Peudha	Musikot
District: Salyan							
1	53 5 022 18 06 02	Gorche Ghat	Suspended-SSTB	52	Bangar khola	Mulkhola	Mulkhola
2	53 5 022 18 06 03	Lahare Ghat	Suspended-SSTB	92	Bangar Khola	Mulkhola	Mulkhola
3	53 5 029 18 06 01	Dohali Ghat	Suspended-SSTB	24	Korbang khola	Korbangjhimpe	Korbangjhimpe
4	53 5 033 18 06 03	Sunchaur	Suspended-SSTB	78	Sarada Khola	Kalimati Kalche	Kalimati Kalche
5	53 5 033 18 06 04	Jum khola	Suspended-SSTB	88	Jum khola	Kalimati Kalche	Kalimati Kalche
6	53 5 040 18 06 01	Totke	Suspended	83	Sarada Khola	Lakshmipur	Lakshmipur
7	53 5 009 18 06 01	Tunibot ghat	Suspended	88	Luham Khola	Dhanbang	Badagaun
District: Rolpa							
1	54 5 001 18 06 1	Arang Khola	Suspended-SSTB	67	Arang Khola	Masina	Saigha
2	54 5 001 18 06 2	Pedi Ghat	Suspended-SSTB	83	Arang Khola	Masina	Masina
3	54 5 028 18 06 2	Gatina khola	Suspended-SSTB	60	Gunam khola	Sakhi	Sakhi
4	54 5 033 18 06 1	Siwang	Suspended-SSTB	106	Siwang Khola	Jugar	Budhagaun
5	54 5 008 18 06 02	Lamchuti	Suspended-SSTB	36	Lungri Khola	Badachour	Phagam
6	54 5 024 18 06 01	Lalubang	Suspended-SSTB	0	Khaire Khola	Badachour	Pang
7	54 5 042 18 06 01	Simalbot	Suspended	90	Oli Khola	Bhawang	Rangsi



SN	Bridge number	Name	Type	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
8	54 5 044 18 06 02	Saunbot	Suspended-SSTB	89	Jayachaur Khola	Raku	Raku
9	54 5 020 18 06 01	Bibang Truss	Steel Truss	28	Khabor Khola	Gam	Gam
10	54 5 022 18 06 01	Majhari	Steel Truss	32	Lungri Khola	Harjung	Jaimakasala
11	54 5 041 18 06 02	Damabhir	Steel Truss	20	Lahari Khola	Talwang	Talwang
District: Pyuthan							
1	55 5 003 18 06 1	Juda	Suspended-SSTB	83	Jhimruk	Khilji	Dangwang
2	55 5 036 18 06 4	Syalachiurichaur	Suspended-SSTB	90	Lung khola	Lung	Lung
3	55 5 005 18 06 01	Gahatera	Suspended-SSTB	95	Chhape Khola	Asurkot	Bijuli
District: Dang							
1	56 3 002 18 06 03	Balle Ghat	Suspended-SSTB	58	Balle Khola	Tribhuwan Nagar Municipality	Tribhuwan Nagar Municipality
2	56 5 003 18 06 02	Tin Domai Ghat	Suspended-SSTB	63	Tisuwa Khola	Sisahaniya	Hansipur
3	56 5 003 18 06 03	Faret Ghat	Suspended-SSTB	63	Ganaha Khola	Hansipur	Hansipur
4	56 5 003 18 06 04	Dharapani Ghat	Suspended-SSTB	45	Arjun Khola	Hansipur	Hansipur
5	56 5 019 18 06 3	Masina ghat	Suspension-SSTB	68	Katuwa Khola	Saigha	Saigha
6	56 3 001 18 06 04	Gahate Ghat	Steel Truss	32	Gahate Khola	Tulsipur Municipality	Tulsipur Municipality
District: Banke							
1	57 5 012 18 06 1	Rohani nala	Suspension-SSTB	74	Rohani	Kohalpur	Kohalpur
2	57 5 008 18 06 02	Faram Lewangi	Suspension-SSTB	91	Duduwa Khola	Kamdi	Nepalgunj Municipality
District: Surkhet							
1	59 5 009 18 06 02	Gadele	Suspended-SSTB	45	Gadelekhola	Garpan	Ratudevistan
2	59 5 017 18 06 02	Tolikhola	Suspension-SSTB	120	tolikhola	Agrigaun	Agrigaun
3	59 5 044 18 06 01	Piyuse ghat	Suspension-SSTB	119	sot khola	Kunathari	Kunathari
4	59 5 023 18 06 01	Raikar(Chauri bagar)	Suspension-SSTB	120	Veri nadi	Majhkanda	Kaprichaur
5	59 5 019 18 06 02	Charkule truss	Steel Truss	32	Charkule khola	Rajena	Neta
6	59 3 001 18 06 01	Itura Truss	Steel Truss	32	khorkhola	Birendranagar Municipality	Birendranagar Municipality
7	59 5 047 18 06 03	Taranga/ Barahatal (Flood)	Suspension-LSTB	223	Bheri Nadi	Taranga Ghat	Taranga Ghat
District: Jajarkot							
1	60 5 007 18 06 2	Chotighot	Suspended-SSTB	60	Channa Khola	Rokayagaun	Rokayagaun
2	60 5 015 18 06 2	Bheri Khola	Steel Truss	24	Bheri Khola	Bhagawatitol	Bhagawatitol
3	60 5 011 18 06 05	Garagli Truss	Steel Truss	28	Garagli Khola	Laha	Laha
District: Dailekh							
1	61 3 001 18 06 01	Beurata	Suspended-SSTB	90	Tamekhola	Toli	Narayan Municipality
2	61 5 003 18 06 02	Kumkhola	Suspended	111	Kumkhola	Seri	Seri
3	61 5 005 18 06 03	Kuntada	Suspended-SSTB	117	Piladikhola	Piladi	Piladi
4	61 5 007 18 06 01	Kaledhunga	Suspended	88	Hanetakhola	Awalparajul	Awalparajul
5	61 5 013 18 06 02	Ghumne	Suspended-SSTB	90	Tursukhola	Jaganath	Jaganath
6	61 5 017 18 06 02	Dobilla	Suspended	104	Dobillakhola	Toli	Bhawani
7	61 5 007 18 06 02	Beaurata	Suspended	90	Tamekhola	Awalparajul	Awalparajul

SN	Bridge number	Name	Type	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
District: Dolpa							
1	62 5 001 18 06 6	Khaldhara	Suspended-SSTB	40	Jairigad	Dunai	Dunai
2	62 5 014 18 06 1	Dhwane	Suspended-SSTB	60	Phoksundo Khola	Phoksundo	Phoksundo
3	62 5 015 18 06 2	Phakchu Khola	Suspended-SSTB	96	Phakchu Khola	Raha	Raha
4	62 5 015 18 06 03	Aankhekhola	Steel Truss	20	Aankhekhola	Raha	Phoksundo
District: Jumla							
1	63 5 029 18 06 05	Kharagad	Suspended-SSTB	55	Hima Nadi	Bumra Madichour	Bumra Madichour
2	63 5 030 18 06 01	Ghattekhola	Steel Truss	24	Patmara khola	Patmara	Patmara
3	63 5 005 18 06 04	Tirkhu	Steel Truss	28	Tirkhukhola	Dillichour	Dillichour
District: Kalikot							
1	64 5 022 18 06 01	Thamkhet	Suspended-SSTB	70	Bunchugad	Chilkhaya	Chilkhaya
2	64 5 022 18 06 02	Chadakhana	Suspended-SSTB	70	BunchugadKhallagad	Chilkhaya	Chilkhaya
3	64 5 017 18 06 02	Nakcha Dovan	Suspended-SSTB	87	Tila Nadi	Bharta	Manma Khadachakra
District: Mugu							
1	65 5 004 18 06 01	Papukhola	Suspended-SSTB	58	Papukhola	Magri	Magri
2	65 5 022 18 06 01	Kawakhola	Suspended-SSTB	57	Kawakhola	Khamale	Khamale
3	65 5 020 18 06 04	Dhaulagad	Suspended-SSTB	68	Khatyad Khola	Gumtha	Shreekot
4	65 5 023 18 06 01	Panchekhola	Suspended-SSTB	77	Panchekhola	Gumtha	Shreekot
District: Bajhang							
1	67 5 007 18 06 1	Toligaon	Suspended-SSTB	83	Dantoli gad	Datola	Datola
2	67 5 030 18 06 2	Dagada	Suspended-SSTB	43	Sani Gad	Pipalkot	Kaphalseri
3	67 5 030 18 06 3	Bagali Bagar	Suspended-SSTB	73	Sani Gad	Pipalkot	Pipalkot
4	67 5 031 18 06 2	Gudgude	Suspended-SSTB	109	Kalanga	Dahabagar	Dahabagar
5	67 5 035 18 06 01	Bunga bagar	Suspended-SSTB	65	Kalanga	Banjh	Sunkuda
District: Bajura							
1	68 5 015 18 06 2	Nagukhola	Suspended	50	Nagukhola	Dahakot	Dahakot
2	68 5 015 18 06 04	Ajayatotki	Suspended	84	Budhiganga	Dahakot	Dahakot
District: Kailali							
1	71 5 012 18 06 1	Jhuti khola	Suspended	67	Jhuti Khola	Sugurkhal	Sugurkhal
2	71 5 039 18 06 3	Kurle A	Suspended	97	Khairala Khola	Khairala	Khairala
3	71 5 008 18 06 1	Kota Tulsipur	Suspension	72	Kanda River	Kota Tulsipur	Kota Tulsipur
4	71 5 023 18 06 1	Basauti	Suspension	72	Kataini River	Basauti	Basauti
5	71 5 027 18 06 1	Ramshikharjhala	Suspension	86	Tagna River	Ramshikharjhala	Ramshikharjhala
District: Kanchanpur							
1	72 5 018 18 06 2	Ghursuwa ghat	Suspension	120	Bachhela khola	Daiji	Sudha
2	72 5 018 18 06 3	Ghatal Than	Suspension	120	Chaudhar Nadi	Daiji	Daiji



SN	Bridge number	Name	Type	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
3	72 5 019 18 06 1	Toti Steel truss	Steel Truss	32	Toti nadi	Jhalari	Jhalari
District: Dadeldhura							
1	73 5 002 18 06 1	Amarighat	Suspended-SSTB	108	Selsure	Manilek	Manilek
2	73 5 003 18 06 1	Jotadi	Suspended-SSTB	55	chaud Gad	Belapur	Belapur
3	73 5 006 18 06 1	Ghatti gad	Suspended-SSTB	89	Ghatti gad	Kailpalmandu	Kailpalmandu
4	73 5 011 18 06 1	Sadani	Suspended-SSTB	95	Gode gad	Jogbudha	Jogbudha
5	73 5 012 18 06 2	Kalpate	Suspended-SSTB	100	Sirsha Khola	Serese	Serese
6	73 5 013 18 06 1	Sau Gad D Type	Suspended-SSTB	57	Rudrawati khola	Rupal	Rupal
7	73 5 018 18 06 1	Betal Deu	Steel Truss	28	Betal Khola	Aajayamaru	Bhadrapur
District: Darchula							
1	75 5 039 18 06 2	Chamtadi	Suspended-SSTB	112	Chamaliya	Sittad	Sarmauli
2	75 5 030 18 06 02	Gofa Truss	Steel Truss	28	Gofa Gad	Sipti	Sipti
3	75 5 039 18 06 03	Chochebagar	Suspended-LSTB	182	Chameliya	Sittad	Sarmauli

## Trail Bridge Sector Wide Approach

### DRILP-AF supported District Programme Trail Bridge list FY 2072/2073

SN	Bridge number	Name	Type	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
District: Taplejung							
1	01 5 014 18 06 1	Dhodeni	Suspended-SSTB	74	Tiringe	Tiringe	Tiringe
2	01 5 022 18 06 1	Suntale Dovan	Suspended-SSTB	88	Kabeli	Limbudin	Ambegudin
3	01 5 023 18 06 2	Khesangu	Suspended-SSTB	114	Tawa	Mehele	Pedang
4	01 5 028 18 06 1	Michiring Bridge	Suspended-SSTB	60	Sobuwa	Change	Hangpang
5	01 5 006 18 06 01	Rate Khola	Suspended-SSTB	74.5	Rate Khola	Khevang	Yamphudin
6	01 5 046 18 06 01	Samjimba	Suspended-SSTB	78.5	Tamor	Limkhim	Khojenim
7	01 5 022 18 06 02	Suntale	Suspended-SSTB	72.5	Suntale Khola	Limbudin	Mehele
District: Okhaldhunga							
1	13 5 010 18 06 1	Chera Bote	Suspended-SSTB	81	Kharte Khola	Ratmate	Mamkha
2	13 5 030 18 06 1	Humlung Puchhar	Suspended-SSTB	60	Pankhu Khola	Moli	Baksha
3	13 5 047 18 06 1	Jire Ap Bot	Suspended-SSTB	60	Dunde Khola	Gamnangtar	Tarkerabari
4	13 5 020 18 06 01	Nagthan Bridge	Suspended-SSTB	80	Prapcha Khola	Prapcha	Harkapur
5	13 5 024 18 06 1	Kopche Bridge	Steel Truss	28	Kopche Khola	Khijiflate	Khijiflate
6	13 5 031 18 06 1	Ghrimdi Puchhar	Steel Truss	32	Rumdu Khola	Ubu	Manebhanjyang
7	13 5 026 18 06 03	Khopnailu Truss	Steel Truss	28	Salpu Khola	Ragani	Khijichandeshwori
District: Ramechhap							
1	21 5 015 18 06 1	Sindure Dumja	Suspended-SSTB	66	Dumja Khola	Gupteshwar	Gupteshwar
2	21 5 020 18 06 2	Twangmarche	Suspended-SSTB	79	Him Ganga	Gumdel	Gumdel
3	21 5 022 18 06 1	Thulobhasme	Suspended-SSTB	50	Bhasmekhola	Rasanalu	Rasanalu
4	21 5 027 18 06 1	Amphe Khola Dovan	Suspended-SSTB	66	Amphe Khola	Namadi	Namadi
5	21 5 028 18 06 1	Theki Kudne	Suspended-SSTB	67	Dovan Khola	Tharpu	Tharpu
6	21 5 033 18 06 1	Khola Ghari	Suspended-SSTB	46	Khani Khola	Dimipokhari	Gunsi
7	21 5 035 18 06 1	Simalbot	Suspended-SSTB	49	Kamakhola	Hiledevi	Dimipokhari
8	21 5 047 18 06 1	Bakaine Bridge	Suspended-SSTB	67.1	Bafar Khola	Chanakhu	Chisapani
9	21 5 054 18 06 01	Tamakoshi Odare	Suspended-SSTB	100	Tamakoshi	Shahare	Phulasi
10	21 5 022 18 06 02	Ghatte ghat	Suspended-SSTB	86	Darkha Khola	Rasanalu	Rasanalu
11	21 5 017 18 06 01	Likhu Khola Dumre	Suspended-SSTB	107	Likhu Khola	Tarkerabari	Saipu
12	21 5 038 18 06 01	Chyasintar	Suspended-SSTB	71	Bhatauli khola	Khandadevi	Khandadevi
13	21 5 033 18 06 02	Rudibesi ghat	Suspended-SSTB	69	Khani Khola	Thokarpur	Dimipokhari
14	21 5 011 18 06 01	Bhuji Gaighat	Suspended-SSTB	72	Likhu Khola	Ragani	Bhuji
15	21 5 020 18 06 03	Bachhi ghat	Suspended-SSTB	79	Likhu Khola	Bhakanje	Gumdel
District: Gorkha							
1	36 5 040 18 06 5	Thorchong Bridge	Suspended-SSTB	94	Thorchong Khola	Lho	Lho
2	36 5 049 18 06 01	Dondare Bridge	Suspended-SSTB	82	Dondare Khola	Manbu	Manbu
District: Lamjung							
1	37 5 030 18 06 01	Kumlungbesi Bridge	Suspended-SSTB	57	Rudi Khola	Bhoie	Mjiuredanda

SN	Bridge number	Name	Type	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
2	37 5 030 18 06 02	Ghiche Bridge	Suspended-SSTB	118	Midim Khola	Ghaleuttarkanya	Bhoje
3	37 5 035 18 06 02	Luge Khola	Suspended-SSTB	57	Luge Khola	Pasgaun	Pasgaun
4	37 5 012 18 06 04	Pahire Khola Bridge	Suspended-SSTB	44	Pahire Khola	Nauthar	Dhodeini
5	37 5 032 18 06 02	Rudi Khola Ratai	Suspended-SSTB	72	Rudi Khola	Gilung	Mijuredanda
6	37 5 014 18 06 03	Parkyo Khola	Suspended-SSTB	64	Parkyo Khola	Pachok	Pachok
7	37 5 059 18 06 01	Marsyangdi Jholunge	Suspended-SSTB	68	Marsyangdi Nadi	Bajhakhet	Besi Shahar
8	37 5 005 18 06 03	Midim Khola	Suspended-SSTB	78	Midim Khola	Ghanpokhara	Bhujung
9	37 5 024 18 06 02	Tardi Khola Truss	Steel Truss	32	Tardi Khola	Mohariyakot	Bharte
10	37 5 010 18 06 02	Khinchok Khola Truss	Steel Truss	24	Khinchok Khola	Bansar	Bansar
District:Baglung							
1	43 5 019 18 06 3	Asulki ghat	Suspended-SSTB	55	Thulo khola	Tara	Tara
2	43 5 019 18 06 4	Barahathan	Suspended-SSTB	58	Thulo khola	Tara	Tara
3	43 5 045 18 06 2	Bhalami ghat	Suspended-SSTB	33	Girangdi khola	Righa	Shisakhani
4	43 5 035 18 06 01	Tipling Ghat	Suspended-SSTB	104	Palung Khola	Rangkhani	Dhullubanskot
5	43 5 017 18 06 01	Bharaha Khola	Suspended-SSTB	82	Bharaha khola	Hil	Hil
6	43 5 044 18 06 01	Gai Ghat	Suspended-SSTB	93	Daram khola	Bamitaksar	Righa
7	43 5 053 18 06 02	SeraPhurse	Suspended-SSTB	54	Bhuji Khola	Burtibang	Burtibang
8	43 5 027 18 06 02	Nwara Ghat	Suspended-SSTB	82	Thulo Khola	Paiyunpata	Rangkhani
9	43 5 049 18 06 02	Shuwa Khola	Suspended-SSTB	38	Shuwa Khola	Khunga	Khunga
District:Myagdi							
1	44 5 040 18 06 01	Ghara Khola jho.pu.	Suspended-SSTB	61.75	Ghara khola	Ghar	Shikh
2	44 5 038 18 06 01	chitraphedi ghat	Suspended-SSTB	58	Dar khola	Lulang	Lulang
3	44 5 009 18 06 01	thulobagar jho.pu.	Suspended-SSTB	83	kaligandaki	Ghar	Tatopani
4	44 5 004 18 06 01	anandabagar jho.pu.	Suspended-SSTB	113	kaligandaki	Majphant	Ratnechour
5	44 5 034 18 06 03	batase sanghu jho.pu.	Suspended-SSTB	62	retuing khola	Niskot	Devisthan
6	44 5 025 18 06 03	Lisne Khola Ghat	Suspended-SSTB	75	Lisne Khola	Arman	Arman
7	44 5 011 18 06 03	Guithe	Suspended-SSTB	44	kaligandaki	Narachyang	Dana
8	44 5 022 18 06 04	Lete Khola Jho.Pu	Suspended-SSTB	53	Lete Khola	Kuinemangale	Kuinemangale
9	44 5 020 18 06 01	Jagga Khola Jho.pu	Suspended-SSTB	86	Jagga Khola	Dagnam	Dagnam
10	44 5 025 18 06 05	muhane khola jho.pu.	Suspended-SSTB	45	muhane khola	Arman	Arman
11	44 5 027 18 06 02	Baranja jho.pu	Suspended-SSTB	40	Barangja Khola	Baranja	Baranja
12	44 5 027 18 06 03	Tatopani	Suspended-SSTB	103	myagdi khola	Singha	Baranja
13	44 5 027 18 06 04	jalukey jho.pu	Suspended-SSTB	87	myagdi khola	Tatopani	Baranja
14	44 5 032 18 06 02	Khahare Ghat	Suspended-SSTB	85	Khahare khola	Rum	Rum
15	44 5 039 18 06 03	Myagdi Khola Jho.Pu.	Suspended-SSTB	97	Myagdi Khola	Mudi	Muna
District:Baitadi							
1	74 5 018 18 06 1	Dunaimandu	Suspended-SSTB	54	Dunai Gad	Sigas	Sigas
2	74 5 020 18 06 2	Bagali	Suspended-SSTB	111	Nuwaghari Gad	Shivalinga	Shivalinga

SN	Bridge number	Name	Type*	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
3	74 5 031 18 06 2	Deutal	Suspended-SSTB	44	Garma Gad	Amchaur	Rodideval
4	74 5 011 18 06 01	Jarku bridge	Suspended-SSTB	101	urnaya	Patan	Melauli
5	74 5 011 18 06 03	Kholsi truss bridge	Suspended-SSTB	28	Bagali gad	Patan	Patan
6	74 5 024 18 06 1	Gosai Truss	Steel Truss	20	Goshai Gad	Kailpal	Kailpal
7	74 5 033 18 06 1	Bhuichana Truss	Steel Truss	20	Gaddeu Khola	Rodideval	Rodideval
8	74 5 034 18 06 01	Aghori steel truss	Steel Truss	32	Aghori gad	Giregada	Giregada
9	74 5 034 18 06 02	Chakmaula	Steel Truss	32	chakmaula	Giregada	Rauleshwar
10	74 5 035 18 06 02	Kuwapani Steel Truss	Steel Truss	32	syandi gad	Patan	Durgasthan

## Trail Bridge Sector Wide Approach

### RAP-3 Funded District Programme Trail Bridge list FY 2072/2073

SN	Bridge number	Name	Type*	Span(m)	River Name	VDC/Municipality	
						Left Bank	Right Bank
District:Jumla							
1	63 5 024 18 06 2	Jancha	Suspended-SSTB	52	Hima Nadi	Dhap	Dhap
3	63 5 013 18 06 3	Taa Ghatta	Suspension-SSTB	63	Teela Nadi	Tatopani	Tatopani
4	63 5 024 18 06 3	Dhapa	Suspension-SSTB	45	Hima Nadi	Dhap	Dhap
District:Kalikot							
1	64 5 008 18 06 1	Lade Khola	Suspended-SSTB	69	Lade Khola	Syuna	Syuna
2	64 5 011 18 06 2	Sannigad (Lamabagar)	Suspended-SSTB	94	Sannigad	Mumra	Mehal Mudi
3	64 5 011 18 06 3	Kapre Khola	Suspended-SSTB	61	Kapre Khola	Mehal Mudi	Mehal Mudi
4	64 5 015 18 06 1	Dobitta	Suspended-SSTB	73	Dobitta Khola	Kumalgaun	Malkot
5	64 5 016 18 06 1	Lamri Khola (Suka Khola)	Suspended-SSTB	98	Lamri Khola	Malkot	Lalu
District:Mugu							
1	65 5 008 18 06 1	Riyushbagar	Suspended-SSTB	60	Mugu Karnali	Pulu	Magri
2	65 5 009 18 06 1	Chhayalu	Suspended-SSTB	54	Mugu Karnali	Dolphu	Pulu
District:Humla							
1	66 5 015 18 06 2	Tanchha	Suspended-SSTB	100	Rodikot Tanchha Khola	Redikot	Redikot
2	66 5 015 18 06 3	Phucha	Suspended-SSTB	79	Phuchha Khola	Redikot	Redikot
3	66 5 020 18 06 1	Karigad	Suspended-SSTB	60	Karigad	Shreemashtha	Shreemashtha
4	66 5 005 18 06 1	Gurgure	Steel Truss	32	Gurgure Khola	Syanda	Syanda
District:Achham							
1	69 5 050 18 06 1	Samaiji Khola	Suspended-SSTB	60	Samaiji Rawa	Baijanath	Baijanath
2	69 5 057 18 06 1	Dogade A	Suspended-SSTB	109	Dogade Khola	Baijanath	Baijanath
3	69 5 059 18 06 1	Tolisera	Suspended-SSTB	81	Tolisera Khola	Baijanath	Baijanath
4	69 5 066 18 06 1	lode gad	Suspended-SSTB	118.39	Lode Gad	Baijanath	Baijanath
5	69 5 069 18 06 2	Saule Ghat	Suspended-SSTB	83	Syale Khola	Baijanath	Baijanath
6	69 5 051 18 06 1	Bheltadi	Suspended-LSTB	235	Karnali	Rakam	Baijanath
District:Doti							
1	70 5 020 18 06 1	Jalkule - Sailgad	Suspended-SSTB	104	Sailigad	Mahadevsthan	Girichauka

## Trail Bridge Sector Wide Approach

### Suspension Bridge Division supported Trail Bridge list FY 2072/2073

SN.	Trail Bridge Name
<b>District: Surkhet</b>	
1	Pagma Hariharpur bridge, Surkhet
2	Tatepani Bridge, Surkhet
3	Satkhol Bridge, Surkhet
4	Kolkhol Bridge, Surkhet
<b>District: Achham</b>	
1	Baijanath Ridikot bridge, Achham
2	Bhanakot- Kalekanda Bridge, Achham
<b>District: Sankhuwasabha</b>	
1	Kuduleghat bridge, Shankhuwasava
<b>District: Khotang</b>	
1	Kampughat bridge, Udaypur Khotang
<b>District: Makwanpur</b>	
1	Suwanibesi bridge, Makwanpur/Lalitpur
<b>District: Rautahat</b>	
1	Bagmati River (Nunthar bridge,Rautahat)
<b>District: Manang</b>	
1	Nachair Tangra bridge,Manang
<b>District: Rolpa</b>	
1	Thwang Khola Bridge, Rolpa
<b>District: Kaski</b>	
1	Dhad Besi Arwakalika (Bijaypurkhola bridge, Kaski)
2	Fakaltara Damsadi Bridge, Kaski
3	Siyali Bridge, Kaski
<b>District: Darchula</b>	
1	Jaljivi bridge, Darchula
2	Chamelia Bridge, Darchula
<b>District: Taplejung</b>	
1	Imakhola Bridge, Taplegunj
<b>District: Palpa</b>	
1	Ramghat Bridge, Palpa/Syangja
2	Bartaghat Bridge, Palpa/Syangja
<b>District: Rukum</b>	
1	Jaharikhola Bridge, Rukum
2	Bhanebagar Bridge, Rukum
<b>District: Kavrepalanchowk</b>	
1	Pipledovan Bridge, Kavrepalanchowk
<b>District: Jajarkot</b>	
1	Chedachaur Bridge, Jajarkot

District: Gulmi	
1	Sirar Ratmate Bridge, Gulmi
<b>SN.</b>	<b>Trail Bridge Name</b>
District: Ramechhap	
1	Nawu Ghat bridge, Ramechhap/Sindhuli
District: Pyuthan	
1	Dhaierewagar Bridge, Pyuthan
District: Nawalparasi	
1	Atroulitar Ramjakot Bridge, Nawalparasi, Tanahu
District: Dhankuta	
1	Hasanpur Chintang Bridge, Dhankuta, Bhojpur
District: Gorkha	
1	Aambote-Khataite Bridge, Gorkha. Chitwan
2	Chote Chiple Bridge, Chiple
District: Dang	
1	Gothali Bridge, Dang

## Trail Bridge Sector Wide Approach

### RADC supported Trail Bridge list FY 2072/2073

SN	Name	Type	Span(m)	River Name	VDC/Municipality	
					Left Bank	Right Bank
District:Taplejung						
1	Fedi khola	Suspended	58	Phedi khola	Lelep 8	Lelep 8
District: Solukhumbu						
1	Dudh khola	Suspended	84	Solu khola	Beni 8	Beni 7
District: Sindhupalchowk						
1	Prakyam khola	Steel Truss	22	Pracamp khola	Gumba 5	Gumba 5
2	Teka khola	Steel Truss	20	Teka khola	Gumba 9	Gumba 9
District: Rasuwa						
1	Nesing khola	Suspended	49	Nesing khola	Haku	Haku
2	Dojnel khola	Suspended	58	Dongnen	Gatlang	Gatlang
District: Dhading						
1	Aakhu khola	Suspended	113	Aankhu khola	Sertung	Lapa 4
District: Gorkha						
1	Roimi khola	Steel Truss	32	Budhi gandaki	Chhekampar 9	Chhekampar 9
District: Mugu						
1	Bam	Suspended	45	Darke khola	Ruga 8	Ruga 8
District: Dolpa						
1	Raigad	Suspended	55	Veri nadi	Sarmi 1	Naku 1
2	Chhachu	Suspended	50	Veri nadi	Rimi 9	Rimi 9
District: Humla						
1	Galfa gad	Suspended	60	Galfagad	Shreenagar	Shreenagar
District: Kalikot						
1	Lafa gad	Suspended	90	Lafa gad	Ramnakot 8	Ramnakot 9
District: Rolpa						
1	Baghmara	Suspension	54	Chunbang	Rangkot 7	Iribang 9
District: Darchu;a						
1	Deuligad	Steel Truss	32	Dewali gad	Khandeswari 3	Khandeswari 3



## Trail Bridge Sector Wide Approach

### KAAA-BGN supported Trail Bridge list FY 2072/2073

SN	Project No.	Bridge Name	Location
District: Makwanpur			
1	B/WE11/14/005	Gorangdi Khola SD. Bridge, Span 60.00m	Bharta/Raksirang VDC - 4/2, Makwanpur
2	B/WE11/14/001	Kali Khola (Amalatar) SD. Bridge, Span 60.00m	Gogane/Danda Kharka VDC - 3/2, Makwanpur
District: Baglung			
1	B/WE06/13/029	Seula Khola (Taman Dovan) Suspended Bridge, Span 63.00 m	Bongadovan VDC - 4/2, Baglung
2	B/WE06/13/028	Seula Khola (Bikosh) Suspended Bridge, Span 72.00 m	Bongadovan VDC - 3, Baglung
District: Pyuthan			
1	B/WE12/13/028	Balle Khola (Kouchhe Dovan) SD. Bridge, Span 63.00m	Phopli VDC - 6, Pyuthan
District: Myagdi			
1	B/WE06/13/024	Dara Khola SD. Bridge, Span 58.00m	Muna VDC - 7/2, Myagdi
2	B/WE06/13/031	Myagdi Khola (Ghimlati) SD. Bridge, Span 70.00m	Mudi VDC - 6/3, Myagdi
District: Kaski			
1	B/WE06/14/033	Sidhing Khola SD. Bridge, Span 110.00m	Lwang Ghalel VDC - 9, Kaski
District: Okhaldhunga			
1	B/EA15/13/004	Molung Khola SD. Bridge, Span 49.00m	Patle/Shreechaur VDC - 2/8, Okhaldhunga
District: Taplejung			
1	B/EA21/12/006	Srijange Khola SD. Bridge, Span 36.00m	Tiringe VDC - 9/8, Taplejung
District: Sankhuwasabha			
1	B/EA19/14/003	Sakhuwa Khola (Dovane) SD. Bridge, Span 30.00m	Diding VDC - 9, Sankhuwasabha
2	B/EA19/15/003	Chepuk (Ghatte) Khola SD. Bridge, Span 40.00m	Chepuwa VDC - 1/2 , Sankhuwasabha
3	B/EA19/13/007	Arun Khola SD. Bridge, Span 92.00m	Num/Makalu VDC - 7/8, Sankhuwasabha
4	B/EA19/13/008	Sakhuwa Khola SD. Bridge, Span 55.00m	Diding VDC - 9, Sankhuwasabha
District: Rolpa			
1	B/WE12/12/011	Simje Khola SD. Bridge, Span 42.00m	Ghartigaun VDC - 8/6, Rolpa
District: Gorkha			
1	B/WE08/14/015	Dudhpokhari Khola ST. Bridge, Span 20.00m	Sirdibas VDC - 1, Gorkha
District: Dolpa			
1	B/WE01/13/012	Phoksundo Khola (Rigmo) SD. Bridge, Span 86.00m	Phoksundo VDC - 1/3, Dolpa
District: Khotang			
1	B/EA16/13/015	Laiku Khola SD. Bridge, Span 94.00m	Dhitung/Rajapani VDC - 8/1, Khotang
District: Solukhumbu			
1	B/EA15/14/002	Dudhkoshi Khola SD. Bridge, Span 123.00m	Chaurikharka VDC - 6, Solukhumbu

## **Annex - VII**

### **List of Major Maintenance/Rehabilitation FY 2072/2073**

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### Major Maintenance Completed by District

Dev Region	SN	Name of Districts	MM completed
Eastern Region	1	Taplejung	10
	2	Panchthar	1
	3	Ilam	1
	4	Dhankuta	0
	5	Terhathum	2
	6	S Sava	3
	7	Bhojpur	5
	8	Udaypur	6
	9	Solukhumbu	0
	10	Khotang	1
	11	Okhaldhunga	7
	12	Jhapa	0
	13	Morang	0
	14	Sunsari	0
	15	Saptari	0
	16	Siraha	0
	<b>Sub-Total</b>		<b>36</b>
Central Region	1	Dhanusha	0
	2	Mahottari	0
	3	Sarlahi	0
	4	Rautahat	0
	5	Bara	0
	6	Parsa	0
	7	Dolakha	6
	8	Sindhuli	2
	9	Sindhupalchok	13
	10	Kavrepalanchowk	0
	11	Bhaktapur	0
	12	Kathmandu	0
	13	Lalitpur	3
	14	Rasuwa	15
	15	Nuwakot	9
	16	Dhading	0
	17	Chitawan	0
	18	Makawanpur	5
	19	Ramechhap	7
	<b>Sub-total</b>		<b>60</b>

Cluster	SN	Name of Districts	MM completed
Western Region	1	Kaski	1
	2	Gorkha	5
	3	Lamjung	2
	4	Manang	4
	5	Tanahun	4
	6	Syangja	5
	7	Parbat	3
	8	Baglung	1
	9	Myagdi	14
	10	Mustang	3
	11	Palpa	4
	12	Nawalparasi	0
	13	Arghakhachi	1
	14	Gulmi	1
	15	Rupendehi	0
	16	Kapilbastu	0
	<b>Sub-Total</b>		<b>48</b>
Mid- Western Region	1	Rukum	5
	2	Salyan	0
	3	Rolpa	0
	4	Pyuthan	0
	5	Dang	5
	6	Jajarkot	1
	7	Dailekh	7
	8	Surkhet	5
	9	Banke	1
	10	Bardiya	0
	11	Dolpa	2
	12	Jumla	3
	13	Kalikot	2
	14	Mugu	3
	15	Humla	1
	<b>Sub-total</b>		<b>35</b>
Far-Western Region	1	Achham	8
	2	Bajhang	2
	3	Kailali	2
	4	Kanchanpur	4
	5	Doti	10
	6	Bajura	5
	7	Dadeldhura	1

	8	Baitadi	5
	9	Darchula	4
	<b>Sub-total</b>		<b>41</b>
	<b>Total in 75 Districts</b>		<b>220</b>

## **Annex - VIII**

### **Status of Major Maintenance/Rehabilitation Bridges of Flood Damaged Trail Bridges in 2014**

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S. N.	Bridge Name	Span (m)	Type	River Name	Year of Completion	Damaged caused by floods	Recommended action	Progress	Funding Agency
<b>Surkhet</b>									
1	Ranighat Suspension Bridge	237.4	SN	Bheri Nadi	2007/2008	Bridge totally swept out	New bridge to be constructed	Reconstruction expected to be completed by end of July 2016	SDC/DDC
2	Ranighat Suspension Bridge	127	SN	Bheri Nadi	1977/78	Bridge totally swept out	New bridge to be constructed	Cancelled. Motorable bridge under construction nearby	SBD
3	Jamughat Suspension Bridge	175	SN	Bheri Nadi	1984/85	Bridge totally swept out	New bridge to be constructed	Bridge undertaken by SBD	SBD
4	Ghatgaun Suspension Bridge	355	SN	Bheri Nadi	2010/11	Bridge totally swept out	New bridge to be constructed	Rehabilitation/ Reconstruction expected to be completed by end of July 2016	SDC/DDC
5	Jude Suspension Bridge	144	SN	Bheri Nadi	1995/96	Flood hitting the R/B-	Major maintenance	MM completed in 2015/2016	SDC/DDC
6	Lamiraha Truss	32	ST	Goche Khola	2012/2013	Flood hitting the R/B-	Bank protection of right bank required immediately.	MM completed in 2015/2016	SDC/DDC
7	Barhatal/ Taranga	223	SN	Bheri Nadi	2001/2002	Right bank tower block totally swept away to another bank.	New bridge to be constructed	Completed in FY 2015/2016	SDC/DDC
8	Sanjha ghat Suspension Bridge	242	SN	Bheri Nadi	2010/2011	Right bank tower heavily scoured, upstream and down stream windguy block and staywire block swept away, four cross beams broken, Staircase swept away by flood. Left bank upstream windguy block scoring	Needs to remove immediately windguy arrangement. Maintenance to be done: (1) Windguy block to be newly constructed (2) Staircase new construction (3) Protection of Right bank tower foundation.	MM completed in 2015/2016	SDC/DDC
9	Kol khola	74.2	SD	Kol khola	2004/05	Totally damaged	Needs new bridge	Completed by	SWAp

							construction.	SBD	
10	Sot Khola	60.6	SD	Sot khola	2001/02	Totally damaged	New bridge construction	Completed in 2015/2016	SDC/DDC
11	Sanghu Truss	32	ST	Goche khola	2012/013	Scouring of right bank	Bank protection.	MM completed in 2015/2016	SDC/DDC
12	Sot Khola	93	SN	Sot khola	2007/08	Scouring of left and right bank	Needs bank protection.	MM completed by July 15	SWAp
<b>Dang</b>									
1	Gothali Ghat	115	SN	Babai	2011/012	Right bank tower foundation and steel tower has been collapsed. Left bank steel tower is damaged. Cannot be rehabilitated. Needs to replace by new bridge.	Needs new construction. Some steel parts from collapsed bridge may be used.	Completed by SBD.	SWAp
2	Goltakuri Ghat	167.8	SN	Babai	2003/04	Right bank tower foundation and main anchorage foundation are in vulnerable conditions due to under scouring. Wind Guy block of D/S at R/B has been collapsed. Walkway is tilted.	Needs to immediately dismantle the W/G arrangement. Needs protection of MAB and tower foundation and W/G block of R/B. Needs construction of W/G block of D/S at R/B, re-hoisting of W/G and re-adjustment of Walkway (Rehabilitation)	Under construction	SDC/DDC
3	Sitka Ghat	201	SN	Rapti	2003/04	Windguy foundation of U/S at L/B has been washed away. Damaged W/G System and heavily tilted walkway.	Reconstruction of the collapsed W/G block, re-hoisting of W/G system and re-erection of walkway.	MM completed in 2015/2016	SDC/DDC
4	Bilashpur	201	SN	Babai	1993/094	Main Anchorage Foundation at R/B is in vulnerable condition.	Needs protection works at MAB of R/B.	MM completed in 2015/2016	SDC/DDC



5	Rui Khola Truss Bridge	32	ST	Rui	2009/10	River under cutting at L/B.	Needs river bank protection work at L/B.	MM completed in 2015/2016	SDC/DDC
<b>Banke</b>									
1	Buchapur Ghat	114.0	SN	Jhijari Khola	2013/014	Ramp has been collapsed. Deep underscore around Tower foundation of left bank.	Reconstruction of Ramp but with vent pipes, treatment and protection of underscored part of tower foundation.	MM completed by December 2016	SDC/DDC
2	Duduwa/ Chatar Bandh	110.0	SN	Duduwa	2055/056	Main Anchorage Block at L/B has been collapsed.	Needs to: dismantle immediately the walkway, re- investigate the site for possibility of re- habilitation.	Reconstruction expected to be completed by end of July 2016	SDC/DDC
<b>Bhojpur</b>									
1	Yoga Maya Shaktipit					Wind guy block and main anchorage block damaged	New bridge construction.	Under construction by SBD	
<b>Bardiya</b>									
1	Akshria	75.0	SN	Akshria	2013/014	Heavy bank erosion at R/B	Needs bank protection works.	Completed in FY 2015/2016	SWAp
2	Kusma Ghat	250.0	SN	Babai	2013/014	Whole bridge collapsed and washed away.	Needs new bridge construction.	Work initiated by SBD	SBD
<b>Sindhupalchowk</b>									
1	Jure Sunkoshi	142.0	SD	Sunkoshi	2009/010	Whole bridge submerged due to formation of dam.	Needs new bridge construction.	Work to be initiated	SWAp

**TBs that need Major Maintenance/Rehabilitation: 11TBs (SDC/DDC: 9 TBs, SWAp/DDCs: 2 TBs)**

**TBs that need Reconstruction: 12 TBs (SDC/DDCs: 5 TBs, SWAp/DDC: 3TBs and SBD: 4TBs)**

**Progress:**

- **Major maintenance/Rehabilitation completed: 8 TBs**
- **Reconstruction completed: 4**
- **Cancelled: 1 TB**

## **Annex - IX**

### **Status of Flood/Landslide Damaged Bridges in 2015**

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## Flood / Landslide Affected Bridge

S.N	Number	Bridge Name	Type	Span	River Name	Left Bank VDC	Right Bank VDC	Completion FY	Funding Agency	Major damage	Damage Caused by	Status
<b>Taplejung</b>												
1	2 5 029 18 06 03	Perunge	D	68.9	Maiwa Khola	Thinglabu-8	Dhungesangu-7	2000/2001	DDC/SDC	Collapse	Landslide 2072	Steel part procurement and construction will be executed in FY 2016/17
2	01 5 006 18 06 03	Banketar	D	61	Tawa Khola	Surumkhim	Khewang	2004/2005	KAAABGN	One side Anchorage collapse	Landslide 2072	
3	01 5 039 18 06 2	Dema/ Mewa khola	D	113	Mewa Khola	Liwang	Lingtep	2012/2013	DRILP/SDC	One side Anchorage collapse	Landslide 2072	
4	01 5 007 18 06 3	Hang Khola	D	43.5	Hang Khola	Mamangkhe	Mamangkhe	2006/2007	DRILP/SDC	One side Anchorage collapse	Landslide 2071	
5	01 5 036 18 06 3	Lodumba	D	62.2	Simpu Khola	Fakumba	Shanghu	1999/2000	KAAABGN	One side Anchorage collapse	Landslide 2072	
6	01 5 036 18 06 5	Kharte	D	28.4	Neruwa Khola	Sanghu 2	Fakumba 1	1979/1980	DDC	Collapse	Landslide 2072	
7		Heluwa	N	55	Maiwa Khola	Phakumba-7 & Thinglambu-4		1979/1980	LOCAL	Collapse		
8		Sisnwa-1	N	37.8	Sisnwa khola	Tapethok-6	Tapethok-2		LOCAL			
9		Sisnwa-2	N	42.7	Sisnwa khola	Tapethok-6	Tapethok-2		LOCAL	Collapse		
10		Lodumba		50	Lodimba	Khadimba	Sangu-9					
11	01 5 015 18 06 01	Devidaha	D	65.2	Hapu Khola	Ambegudin	Ambegudin	2003/2004	KAAABGN	One side Anchorage collapse	Landslide 2072	Rehab being done by KAAA-BGN
12	BEA2199013	Kharte	D	56	Neruwa Khola	Fakumba 1	Dhungesangu-7	2006/2007	KAAABGN	Collapse	Landslide 2072	Site assessment conducted by KAAA-BGN
13	BEA2194017	Thukiya	D	69	Maiwa Khola	Thinglabu	Fakumba 8	1995/1996	KAAABGN	Collapse	Landslide 2072	Under construction by KAAA-BGN
14		Thing Thewa-1	N	45	Thing Thewa Khola	Lingtep		1979/1980		Collapse		Site assessment conducted
15		Thing Thewa-2	N	42	Thing Thewa Khola	Lingtep - 4 & 5		1979/1980		Collapse		Site assessment conducted

## Trail Bridge Sector-wide Approach

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16		Chawakhola/seph ibagari	D	49	Chawa Khola	Kali khola-5	Kali khola-4	2006/2007	DRILP/SDC	Collapse		Site assessment conducted
17		Thing Thewa-3	N	40	Thing Thewa Khola	Lingtep - 4 & 5		1979/1980		Collapse		Site assessment conducted
18		Tumme	N	47	Neruwa Khola	Sanghu-2 & Phakumba-1		1979/1980	Local	Collapse		Site assessment conducted
<b>Sankhuwasabha</b>												
1	9502518062	Andhery Dovan	D	84	Hewa	Siddhapokhari	Jaljala	2012/2013	SDC	Bridge completely washed out	Flood	Land dispute
2	950018061	Namring	D	36.5	Sankhuwa	Tamku	Bala	1998/1999	SDC	Bridge completely washed out	Flood	Material at Itahari Store
3	095 0061 80 608	Sikidam	D	48	Sankhuwa	Tamku-9	Bala-9		DDC	Bridge completely washed out	Flood	Material Handed over
4	095 0061 80 603	Aluwa	D	84	Sankhuwa	Tamku-8	Bala-8	2066/2067	DDC	Bridge completely washed out	Flood	Material Handed over
5	95014180607	Chasuwater	D	40	Ekhuwa	Pawakhola-6	Pawakhola-7	2037/2038	GON/SDC	Bridge completely washed out	Flood	Material at Itahari Store
6	95019180603	Bimire	D	57.3	Hewa	Jaljala	Chainpur	2003/2004	SDC	Bridge completely washed out	Flood	No damages
7		Satpatre	D		Hewa	Wana	Chainpur			Bridge completely washed out	Flood	No damages
8	95020180601	Nigure	D	35	Hewa	Wana	Chainpur		GON/SDC	Bridge completely washed out	Flood	No damages
9		Ekhuwabagar	D	60	Ekhuwa	Pawakhola 8	Pawakhola-5			Washed out Steel Parts	Flood	Recommended for LSTB
10	095 009 18 06 03	Aawaphedi	D	81	Arun	Pathivara	Noom		GON	Bridge completely washed out	Flood	Material at Itahari Store
11		Kasuwa	D	57.7	Kasuwa	Pathivara-9	Makalu-1		RADC	Damage bridge	Flood	
12		Chimchime	D		Induwa khola	Num-1	Num-2			Under construction damaged		Site assessment done
13		Thadokhola	D	104	Thado khola	Hatiya-7	Hatiya-7		BBLL	Bridge completely washed out		LSTB being constructed
<b>Khotang</b>												
1		Sirubari	SD	57.2	Tawa Khola	Mattim-6	Chhitapokhari	1999/2000	BBLL	Fully Damaged	Flood	Concreting carried out
2		Sangutama	SD	47	Makuwa Khola	Mattim-	Ratancha	2004/2005	BBLL	Foundation Damage	Flood	Material handed over
3		Jabretar	ST	32	Tawa khola	Chhitapokhari-	Mattim-6	2007/2008	BBLL	Right Bank damage	Flood	Material at Bardibas store

## Trail Bridge Sector-wide Approach

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												conducted
4		Bunwa khola	SD	133.8	Banuwa khola	Devisthan	Devisthan		DDC	Bank erosion	Flood	Completed in FY 2015/2016
5		Simpani (Jyamire)	SD	39.2	Tuwa khola	Simpani-8	Batase-9	1998/1999	BBLL	Bank cutting	Flood	Concreting carried out
6		Runkhu Dovan	SD	68	Sapsu khola	Ratanchha-4	Chiuridanda	1999/2000	BBLL	Partially Damaged	Flood	Soil mass slide
7		Vermi	SD	44	Tawa Khola	Mattim-4	Temba-9	1983	KAAA-BGN	Fully Damaged	Flood	
8		Kalidaha	SD	57	Tawa Khola	Mattim-6	Chhitapokhari	2004	KAAA-BGN	Partially Damaged	Flood	New construction being done by KAAA-BGN
9		Pugmapuchhar/Tawa khola Pung	SD	34.3	Tawa Khola	Phidima-7	Phidima-8	1993	KAAA-BGN	Partially Damaged	Flood	Rehab being done by KAAA-BGN
10		Tawa Khola/Kiwadovan	ST	28	Tawa Khola	Phidima-3	Phidima-8	1998	KAAA-BGN	Partially Damaged	Flood	New construction being done by KAAA-BGN
11		Lamiduwali	SD	52	Sapsu khola	Ratanchha-4	ChauriDanda	1997	KAAA-BGN	Partially Damaged	Flood	Rehab being done by KAAA-BGN
<b>Okhaldhunga</b>												
1		Likhu Poku	D	104	Likhu khola	Gamnangtar-1 Okh	Saipu-1, Rmchp	2007	DDC	One side Anchorage collapse	Flood	Material handed over
2	81.12.07.09	Juke Dovan	D	53	Juke Khola	Yasam-2	Gamnangtar-1	2008	DRILP	Collapse	Flood	Completed in FY 2015/2016
<b>Illam</b>												
1		Gukule	D	100	Karfok khola	Chisapani-	Gotak	2056 BS	SSTB-D	Damage	Flood	Completed in FY 2015/2016

# **Annex - X**

## **Status of Major Maintenance/Rehabilitation of Earthquake Damaged Bridges in 2015**

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## Trail Bridge Sector-wide Approach

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SN		District	Bridge Name	Span (m)	Type	River	VDC		Details of Damage	Year of Completion	Progress
							Left Bank	Right Bank			
1	1	Gorkha	Dhodeni	59	SN	Daraudi	Saurpani	Sinjung	Cable broken (Publiced at Kantipur)	NA	MM under construction
2	2		Baluwa	186	SD	Daraudi	Saurpani	Sinjung	LB, Foundation covered by landslide	NA	Replaced by RCC bridge
3	3		Chanaute	72	SN	Daraudi	Takumajha	Muchok	LB, Foundation block damaged	2003	MM under construction
4	4		Tatopani	55	SN	Budigandaki	Kerauja	Uijya	LB, Foundation covered by landslide	na	Completed in FY 2015/2016
5	5		khanibesi	100	SD	Budigandaki	Kansigaun	Gumda	LB, Block cracked	2009	Completed in FY 2015/2016
6	6		Rangrung	42	LD	Rangrung khola	Barpack	Barpack	Wooden deck & cross beam damaged	NA	Completed in FY 2015/2016
7	7		Armala Budhi gandaki			Budhi gandaki	Manuwa	Thumi			
8	1	Rasuwa	Chhepar Khola	71.3	SD	Chhepar Khola	Yarsa	Yarsa	RB MAB damaged due to land slide	2013	Completed in FY 2015/2016
9	2		Chhepar chaur	90	SD	Chhepar Khola	Yarsa	Yarsa	RB, crack at block and G. load damaged, LB, gravity load damaged	2013	Completed in FY 2015/2016
10	3		Phalaku Khola (Chhepar Pucchar)	62	SD	Phalaku Khola	Saramthali	Yarsa	RB, crack at block. LB deadload damaged due to land slide	1998	Completed in FY 2015/2016
11	4		Khyanjo	44	SD	Phalaku Khola	Yarsa	Yarsa	LB, Gravity load damaged	2000	Under planning process
12	5		Machet Khola	98.3	SD	Machet Khola	Yarsa	Yarsa	RB, Foundation block damaged	2008	Completed in FY 2015/2016
13	6		Paire Khet	75	SD	Machet Khola	Yarsa	Yarsa	LB, Foundation block settled	2013	Completed in FY 2015/2016
14	7		Basbhanjyang	99	SD	Phalaku Khola	Saramthali	Bhorle	RB, Gravity load damaged due to rock fall	2000	Completed in FY 2015/2016
15	8		Kaidale Tar	82.3	SD	Trisuli	Tupche	Laharepauwa	LB, Gravity load damaged	NA	Completed in FY 2015/2016
16	9		Thuwar Khola	87	SD	Thuwar Khola	Lamtang	Lamtang	Bridge damaged, MM required	NA	Locals were internally displaced, later they came back and now DDC has decided to go for MM

## Trail Bridge Sector-wide Approach

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17	10		Basitane	93	SD	Phalaku Khola	Saramthali	Bhorle	RB, Gravity load damaged,	2012	Completed in FY 2015/2016
SN	SN	District	Bridge Name	Span	Type	River	Type		Details of Damage	Year of Completion	Progress
							Left Bank	Right Bank			
18	11	Rasuwa	Bhaga Chaur	92.5	SD	Phalaku Khola	Saramthali	Bhorle	One of the MAB damaged	2013	Completed in FY 2015/2016
19	12		Ghatte Khola	88	SD	Yubra Khola	Yarsa	Yarsa	Block damaged due to land slide	2013	To be maintained this year if budget allows
20	13		Betrawati ( old )	45	LD	Phalaku Khola	Laharepauwa	Gerku/Nuwakot	LB, Masonry Tower damaged	NA	Cancelled due to Motorable bridge nearby
21	14		Pangre Dovan (Bhagachaur)	72	SD	Phalaku Khola	Bageswari	Bhorle	RB, Foundation settled, B'warden death LB, Gravity load damaged	2001	Completed in FY 2015/2016
22	15		Grecho	55	SD	Trisuli	Dandagaun	Ramche	Walkway completely damaged	NA	Internal displacement occurred in Lamtang area after EQ, and DDC decided to start MM only after the IDPs return
23	16		Palphakhola	62	SD	Lamtang	Lamtang	Lamtang	Completely washed out	2002	Internal displacement occurred in Lamtang area after EQ, and DDC decided to start MM only after the IDPs return
24	17		Salimbhitta	66	SD	Andherikhola	Thulogaun	Manakamana, Nuwakot	Lt Tower Damaged	2001	Completed in FY 2015/2016
25	18		Paa khola	65	SD	Paa Khola	Bhorleni	Bhorleni	R/B MAB damaged	2003	Completed in 2014/2015
26	19		Arukha	60	SD	Ghatte Khola	Yarsa	Yarsa	L/B Deadload damaged	2004	Completed in FY 2015/2016
27	20		Dharna Bridge	91	SD	Phalakhu Khola	Saramthali	Yarsa	R/B Deadload damaged	1998	Completed in FY 2015/2016
28	21		Memilung	65.3	SD	Yubra Khola	Saramthali	Saramthali	Deadload structure damaged at right bank	NA	Completed in FY 2015/2016



## Trail Bridge Sector-wide Approach

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29	22		Tipling Bridge	82	SD	Tipling Khola	Yarsa	Yarsa	HR saddle damaged at L/B side due to rock fall	2001	Completed in FY 2015/2016
SN	SN	District	Bridge Name	Span	Type	River	VDC		Details of Damage	Year of Completion	Progress
							Left Bank	Right Bank			
30	1	Dhading	Katahare	70	SD	Thopal Khola	Sunaula Bazar	Muralibhanjyang	HRC cable broken, walway tilted	2000	Completed in FY 2014/2015
31	1	Sindhupalchowk	Nesham Khola	69	SD	Nesham Khola	Gumba	Gumba	cable broken	NA	Under construction
32	2		Rampate Amare	62.9	SD	Rampate Aare	Dubachaur	Melamchi	Rt bank Deadman movement	1999	Completed in FY 2015/2016
33	3		Jambu Bridge	77	SD	Bhotekoshi Khola	Gati	Maneswara	Gravity load damaged	NA	Completed in FY 2015/2016
34	4		Damsite	60	SD	Indrawati Khola	Lagarche	Banskharka	Lt tower damaged	2009	Completed in FY 2015/2016
35	5		Melamchi Khola	50.6	SD	Melamchi Khola	Kiul	Ichok	Deadload damaged at both bank	1999	Completed in FY 2015/2016
36	6		Bhotekoshi	85.4	SD	Bhotekoshi Khola	Barhabise	Ramche	RB tower damaged	1995	Completed in FY 2015/2016
37	7		Sunkoshi Chardham	65	SD	Sunkoshi	Kalika	Kodaribas		Investigation completed	Cancelled due to motorable TB nearby
38	8		Jalbire	110.2	SN	Balephi Khola	Jalbire	Batase	Walkway damaged	1988	Comparatively less priority, To be maintained this year if budget allows
39	9		Yangri Dovan	110	SD	Yangri Khola	Bhotang	Baruwa	One of the MAB damaged	2001	Completed in FY 2015/2016
40	10		Katunjabeshi Ranitar	63.9	SD	Balefi Khola	Kotphulping	Batase	One of the MAB damaged	2010	Completed in FY 2015/2016
41	11		Bhainse Sunkoshi	107.3	SD	Sunkoshi	Yamundanda	Kadambas	Gravity load damaged @ Lt bank	1997	Completed in FY 2015/2016
42	12		Indrawati	69.2	SD	Indrawati Khola	Jyamere	Dubachaur	Gravity load damaged, wall cracked	1997	Completed in FY 2015/2016
43	1	Sindhuli	Pacharang	112	SD	Bhalukhola	Jarayotar	Jarayo Tar	Gravity load damaged	2005	Completed in FY 2015/2016
44	2		Jhakri Khola	68	SD	Jhakri Khola	Arun Thakur	Arun Thakur	Tower cracked	2000	Completed in FY 2015/2016
45	1	Dolakha	Busti	66.6	SN	Tamakoshi	Namdu	Bhimeshwar Municipality	Main anchorage block damaged at Rt bank	1933	To be maintained this year if budget allows
46	2		Bhyakure	105	SD	Tamakoshi	Japhe	Ghyen Sukathokar	Tower cracked	2009	Completed in FY 2015/2016
47	3		Pikhuti	33.6	SD	Tamakoshi	Jugu	Lamidanda	HRC cable broken in upstream side	1978	Completed in FY 2015/2016

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48	4		Jhangrali	100.2	SD	Tamakoshi	Jyaku	Laduk	L/B limbwall and Deadman damaged	2011	Under progress
49	5		Susintar mar	77	SD	Khahare Khola	Khare	Changkhu	Main anchorage block damaged at one bank.	2011	Completed in FY 2015/2016
SN	SN	District	Bridge Name	Span	Type	River	VDC		Details of Damage	Year of Completion	Progress
							Left Bank	Right Bank			
50	6	Kavre	Sirke Dovan	118	SD	Bagmati	Salmechakal	Phaparbari	Both Bank, Gravity load damaged	2001	To be maintained this year if budget allows
51	7		Phyang Khola	55	SD	Phyang Khola	Saldhara	Milche	Both tower cracked	NA	To be maintained this year if budget allows
52	8	Manang	Hulaki Odar	31.3	SD	Naar Khola	Naar		One WWC fence cable of 13 mm broken and approx 12 steel deck 6 C/beam damaged	2005	Completed in FY 2015/2016
53	9		Mada Bridge	51.4	SD	Mada Khola	Chamr		Gravity structure at Rt bank fell down	1999	Completed in FY 2015/2016
54	10	Lamjung	Rudi khola	120	SD	Rudikhola	Mijure,Kaski	Karapu,Lamjung	Dead load wall damaged at R/Bank	2007	Completed in FY 2015/2016
55	11		Langdi khola	87	LD	Langdi khola	Bichaur	Ilampokhari	One side one part damaged of masonry tower	2008	Completed in FY 2015/2016
56	12		Dordi Khola	72	SD	Dordi Khola	Dhodeni	Phaleni	RB Main Anchorage Block damaged	2002	Completed in FY 2015/2016
57	1	Ramechhap	Jamune Milti	87	SD	Milti Khola	Dandakharka	Phulasi	Tower Cracked at both Banks	2005	Comparatively less priority, To be maintained this year if budget allows
58	2		Karambot	106	SD	Tamakoshi	Manthali	Chisapani	L/B tower cracked	2000	Completed in FY 2015/2016
59	3		Haledibesi	129.7	SD	Tamakoshi	Gelu	Tilpung	L/B tower cracked	2001	Completed in FY 2015/2016
60	1	Nuwakot	Simkhet	148	SD	Trisuli	Jiling	Khadgabhanjyang	Rt bank foundation block damaged, Deadmen at both bank damaged	2007	Completed in FY 2015/2016
61	2		Ramati	70.2	SD	Chandrawati	Sikharbesi	Samundratar	Rt bank foundation block damaged,	2008	Completed in FY 2015/2016
62	3		Dhodeni	120	SD	Trisuli	Ratmate	Budhsingh	Foundation wall cracked	2002	Completed in FY 2015/2016
63	4		Salankhukhola	89	SD	Salankhukhola	Mankamana	Tupche	Foundation wall cracked	1978	Comparatively less priority, To be maintained this year if budget allows

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64	5		Subhaghat	112	SD	Trisuli	Gerkhu	Bidur Municipality	Foundation wall cracked	2007	Completed in FY 2015/2016
SN	SN	District	Bridge Name	Span	Type	River	VCD		Details of Damage	Year of Completion	Progress
							Left Bank	Right Bank			
65	1	Udaypur	Majuwaphedi Bridge	79	SD	Bajinath	Bhalayadada # 6	Dumre # 5	Crack observed in Limb wall and tower block	2014	Minor works conducted. TB is in good condition
66	1	Panchthar	Sanbutar Truss	32	ST	Sawa Khola	Sarangdada # 3	Sarangdada # 3	2 tree fallen on bridge resulted bridge tilted	NA	The trees were removed. TB is in good condition
67	1	Myagdi	Kaligandaki	93	SD	Kaligandaki	Ramche	Bhagwati	Completely damaged by land slide of 23rd May	2004	Cancelled. Replaced by Baisari Bridge as CNC
68	2		Kaduri Bridge	105	SD	Kaligandaki			Completely damaged by land slide of 23rd May	NA	

## Progress:

- Completed: 52 TBs

## **Annex - XI**

### **Status of Tuins being Replacedby Trail Bridges (Implemented by DDCs)**

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No.	District	SN	Name of Tuin	River name	VDC		Span (m)	Bridge Type	Progress Status	
					Left	Right			Fabrication	Construction
1	Ghorkha	1	Bhuwanitar	Marsyandi	Mankamana	Aabukhaireni	107	SSTB/D	Contract Award	CA
2		2	Huiling Tar	Trisuli	Jogimara (Dhading)	Bhumlichowk	77	SSTB/D	Contract Award	CA
3	Lamjung	1	Bhalurumta (Doradi khola)	Dordi khola	Dhodeni 1	Chiti 3	75	SSTB/D	Contract Award	CA
4		2	Jhareswora(Bansar Besi)	Chilli khola	Kolki 9	Bhalayekharka 9	88	SSTB/D	Contract Award	CA
5		3	Chepe Khola	Chepe Nadi	Hansapur 8(gorkha)	Ilampokhari 5	84	SSTB/D	Contract Award	CA
6	Tanahu	1	Solung ghat	Seti Nadi	Keshavtar 4	Baidi 1	118	SSTB/D	Contract Award	
7		2	Bajare Ghat (Bimalnagar)	Chundi Khola	Bhanu MCP 1	Bandipur MCP 6	85	SSTB/D	DPR forwarded to DDC	DDC Cancelled as Bridge is not needed
8		3	Yampa Haleti Aapchour	Marsyangdi	Palungtar (Gorkha)	Bandipur MCP 5	87	SSTB/D	DPR forwarded to DDC	
9		4	BelBas	Seti Nadi	Byas NP 12	Kahun Shaivpur 1		LSTB	DDC Decided, bridge is not needed	DDC Cancelled as Bridge is not needed
10		5	Puranosarang ght (Dharampani)	Seti Nadi	Bandipur 9	Devghat 7		LSTB	DPR Completed	
11		6	Khahare khadibagar	Seti Nadi	Bandipur 9	Chipchhpe 1		LSTB	DPR Completed	
12		7	Balimarang	Kaligandaki	Bhirkot 1	Kotthar 6	140	LSTB	Contract Award	Acceptance Due to DPR
13	Gulmi	1	Seuradi	Khowanchis khola	Thulo lumpek-5	Thulo lumpek-4	60	SSTB/D	Bid Evalution	
14	Nawalparasi	1	Kusunde Dovan Sadh Khola (Apasuara)	Sadh khola	Bulung tar	Dandajheri	50	SSTB/D	Bid Evalution	
15	Myagdi	1	Lekha gaun	Kaljara Khola	Narchyang 1	Narchyang 7	100	SSTB/D	DPR in progress	List recently

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16		2	Gaunbheda	Kaligandaki	Histan 9	Begkhola 9		SSTB/D	DPR in progress	received
17	Rukum	1	Kimubot	Rum gad	Rukumkot 4	Kanda 1	67	SSTB/D	Steel parts fabrication in progress	First Phase work completed (wire rope cable delivered)
18		2	Dhaura gar	Dhaura gad	Sisne 9	Sisne 9	22	ST		
19		3	Khalibang	Uttarganga	Taksera	Taksera	54.5	SSTB/D		
20		4	Jipulijiula	Sano bheri	Syalapakha	Pipal	80.5	SSTB/D		
21		5	Pedi khola	Tuwangkhol	Khang 8	Khang 6	32	ST		
22		6	Puchchibang	Ranma khola	Hukam	Ramnamaikot	57	SSTB/D		
23		7	Ruji Khola	Lukumkhola	Kankri 7	Kankri 7	85	SSTB		
24		8	Bhal khola	Sano kheri	Syala pakha	Bakikot	118	SSTB/D	Fabrication completed	CA Done
25		9	Chiptara	Sanobheri	Kanda 8	Khang 1	146	LSTB/D	Tender under progress	
26	Darchula	1	Sitoli simar	Chameliya	Rudresware	Shikhar	120	SSTB/N	Contract signed with junkiri indus., Steel parts fabrication under progress	CA Done
27		2	Jarbagar	Naugad	Dethala	Dethala	32	SSTB/ST		CA Done
28		3	Gogane	Naugad	Khar	Khar	60	SSTB/D		CA Done
29		2	Gitachaur (Bahunmare)	Chhamghat	Raniban 9	Bansi 1	77	SSTB/D	Contract signed with junkiri indus.	Community Agreement
30	Surkhet	1	Bhattesera/Rigne	Gutu Khola	Biddyapur 2	Gutu 9	60	SSTB/D		First Phase work
31		2	Dab	Dab Khola	Babiyachaur 7	Babiyachaur 3	90	SSTB/D		
32		3	Raiker	Bheri	Majhkanda 7	Kaprichaur 1	120	SSTB/D	Steel parts delivered at site	Physically completed
33		4	Jharkhet	Chaur khola	Pokharikanda3	Pokarikanda 3	150	SSTB/D	Tender in progress	First Phase work(one bank TB completed)
34		5	Tallobarha garh	Bheri	Bheriganga 13	dashrathpur 3	151	LSTB/D		
35	Achham	1	Guta Khola/Parikhet	Guta Khola	Devasthan	Devasthan	58	SSTB	Contract signed for	CA Done

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36		2	Rawadabh						steel parts procurement (Malika Engineering)	CA Done
				Sarani gad	Kuskot	Kuskot	106	SSTB		
37	Doti	1	Malumela	Saili Gad	Daud 7	Daud 7	53	SSTB/D	Tender Published	CA Done
38		2	Kunkuntada LSTB	Seti	Latamandu 7	Barapata 9	147	LSTB/D	Contract signed with contractor	
39		3	Chole Gad	Chhole gad	Kadamandu 7	Sanagaon	60	SSTB/D	Steel parts delivered and in underconstruction stage	CA Done
40	Bajura	1	Rughakhola	Budhiganga	Badimalika MCPT 6	Badimalika MCPT 5	95.88	SSTB	Steel parts procurement contract signed (Malika Engineering)	
41		2	Jukena	Budhiganga	Dahakot 5	Dahakot 5	30	ST		
42		3	Bhuka Karnali	Karnali	Sappata 4	Gotri 4	81	SSTB		
43		4	Bhaktebagar	Budhiganga	Badimalika 1	Badimalika 3	72	SSTB		
44	Jajarkot	3	Mani mala/ Garchha	Kholi Khola	Pajaru7	Garkhakot 3	90	SSTB/D	Steel parts fabrication under progress	
45	Kavre	1	Maluwabesi	Sunkoshi	Birdadeurali-7	Boldephediche-8	120	SSTB/D	Tender published	
46	Rasuwa	1	Bandre	Trishuli	Ramche -8	Thulogau -7	132	LSTB/D	Fabricated	
47	Dhading	1	Kumpur Kharamtar	Trishuli	Gajuri -2	Kumpur -4	155	LSTB/D	Tender awarded	Under Construction
48	Chitwan	1	Bagandi	Trishuli	Kabilas - 4	Deughat - 9	146	LSTB/D	DPR finalized and approved by DDC	
49		2	Dharapani	Trishuli	Darechok - 9	Tanglichok - 9	96	SSTB/D		CA Done
50	Humla	1	Chafetadi	Humla Karnali	Shree Nagar, Humla	V.Mugu	97	SSTB/D	Fabrication notice published	

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51	Mugu	1	Fotu	Mugu Karnali	Fotu ,Mugu	Fotu ,Mugu	100	SSTB/D	Fabrication completed and materials delivery at site	CA Done
52		2	Dolfu	Mugu Karnali	Magri,Mugu	Magri,Mugu	70	SSTB/D	Fabrication completed and materials delivery at site	CA Done
53	Kalikot	1	Dhanada	Tilanadi	Tilanadi	Rachuli,Kalikot		SSTB/D	Fabrication completed	
54		2	Birthamod	Tilanadi	Tilanadi	Pakha,Kalikot		SSTB/D	Fabrication completed	



**Annex - XII**  
**List of Tuins replaced by Trail Bridges**  
**(Implemented by SBD/DoLIDAR)**

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**Tuins Replaced by SBD/DoLIDAR**

SN.	Name of Bridge	River	District	VDC		Remarks
				Left	Right	
1	Suwani Besi bridge	Bagmati	Lalitpur	Gimdi	Manthali	Construction completed by SBD
2	Ghetma Peepchaur (Bhanebagar) bridge	Bheri	Jajarkot	Dandagaun	Rukum Ghetma	Construction completed by SBD
3	Chotte Chiple Bridge	Bheri	Surkhet	Lekhfarsa	Ramghat 1	Construction completed by SBD
4	Asharaghat Bridge	Karnali river	Dailekh/Achham	Sattala 4	Bhairabsthan, Achham	Construction completed by UKHEP
5	Dahikhola (Bhanakot) bridge	Karnali river	Achham	Peepalkot-4	Kalekanda, Achham	Construction completed by SBD
6	Jaljivi Bridge	Mahakali	Darchula	Uku, Darchula	Bharat	Construction completed by SBD

**Annex - XIII**  
**Standing List of Fabricators**

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Government of Nepal  
Ministry of Local Development  
**Department of Local Infrastructure Development and Agricultural Road**  
Standing List of Fabricators

S.N.	Name of firm
1	Durga Engineering Works Dhangadhi 091-522468, 524286
2	Jal Binayak Engineering Workshop Thanshikhel, Lalitpur 01-55001589
3	Nepa Engineering Works Pvt.Ltd Nepalgunj Industrial Estate 081-4034880
4	Sugam Engineering and Services Gothatar-9, Kathmandu 01-4992978
5	Gaurav Associate Engineers & Fabricators Nepal Pvt.Ltd J/V Kalanki, Kathmandu 01-4284319
6	Inter-tech Pvt.Ltd Butuwal Industrial Estate 071-540147
7	Udeco Pvt.Ltd, Sat dobato, Lalitpur 01-5541289
8	Structo Nepal Pvt.Ltd Patan Industrial Estate, Lalitpur 01-5521192
9	Ashesh Metal Industries Sat dobato, Lalitpur 01-5550550
10	Hulas Steel Industries Golchha house, Kathmandu 01-4250001
11	Krishna Grill & Engineering works Pvt.Ltd Mainroad South, Biratnagar 021-471492
12	Bhagwati Steel Industries Pvt.Ltd. Adarshanagar, Birgunj 051-580417, 580160
13	Mainawati Steel Industries Pvt.Ltd Mainroad, Biratnagar 021-527210
14	Ram metal workshop Shobhabhagwati, Chamati, Kathmandu 01-4353921, 4354617
15	Himalayan Engineering works Birendranagar Industrial District 9858050747
16	Bhawani Engineering Industries Chitwan 01-5541279
17	Shidha Baba Eng. Works Simra, Bara 9845021838
18	Machhapuchhare Metal & Machinery works Pvt. Ltd Pokhara Industrial Estate 061-520605
19	Junkiri Industries Pvt.Ltd Butuwal Industrial Estate 071-541389, 540389
20	Rijwan Engineering Udhyog Nepalgunj Industrial Estate 081-522052
21	Radha Engineering & Construction Co.Pvt. Ltd Miteri marg, Baneswor, Kathmandu 01-4472111
22	Radha Structure & Engineering Works Pvt.Ltd Miteri marg, Baneswor, Kathmandu 01-4472111, 4491132
23	National Structure & Engineering Patan Industrial Estate, Lalitpur 01-5521405
24	Khanal Engineering & Industries Butuwal Industrial Estate 071-544492
25	Agro Engineering Works (P) Ltd Butuwal Industrial Estate 071-540179
26	S.K Engineering Industries Butuwal Industrial Estate 071-548305
27	Malika Engineering & Mechanical works Pvt.Ltd. Chouraha, Dhangadhi 091-522730
28	Jagdamba Engineering Chaakpur, Dhangadhi 01-520890

## **Annex -XIV**

### **List of Abbreviations**

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ADB	Asian Development Bank
APBR	Annual Program and Budget
APR	Annual Project Report
BCI	Bridge Condition Investigation
BWs	Bridge Wardens
DAG	Disadvantaged Groups
DBR	District Bridge Record
DDC	District Development Committee
DG	Director General
DTO	District Technical Office
DMBT	Demonstration Model Bridge Training
DoLIDAR	Department of Local Infrastructure Development and Agricultural Roads
DoLIDAR/LBS	DoLIDAR/Local Bridge Section
DRILP	Decentralized Rural Infrastructure and Livelihood Project
D-Type	Suspended Type Bridge
EI	Educational Institute
FY	Fiscal Year
GoN	Government of Nepal
IoE	Institute of Engineering, Tribhuvan University
JFA	Joint Financing Arrangement
KAAA-BGN	Kadoorie Agricultural Aid Association- British Gurkhas Nepal
LIDP	Local Infrastructure Development Policy
LBS	DoLIDAR/Local Bridge Section
LSGA	Local Self Governance Act
LSTB	Long Span Trail Bridge (LST Bridge)
LTBP	Local Trail Bridge Program
LTM	Learning Through Monitoring
MoF	Ministry of Finance
MoFALD	Ministry of Federal Affairs and Local Development
MM	Major Maintenance
NGO	Non-Governmental Organization
NTBR	Nepal Trail Bridge Record
N-Type	Suspension Type Bridge
PBBA	Post Bridge Building Assessment
PICC	Programme Implementation Coordination Committee
ProDoc	Project Document
RADC	Remote Area Development Committee
RAIDP	Rural Access Infrastructure and Decentralization Project
RAP	Rural Access Programme
RRRSDP	Rural Reconstruction and Rehabilitation Sector Development Program
RM	Routine Maintenance
SBD	Suspension Bridge Division
SDC	Swiss Agency for Development and Cooperation
SOS	Social Organizational Support
SSTB	Short Span Trail Bridge (SST Bridge)
SWAp	Sector-Wide Approach
TA	Technical Assistance
TBS	Trail Bridge Strategy
TBSCC	Trail Bridge SWAp Coordination Committee
TBSU	Trail Bridge Support Unit
TIM	Transport Infrastructure Map
UC	Users' Committee
VDC	Village Development Committee
WB	World Bank
YPO	Yearly Plan of Operations