



Government of Nepal
Ministry of Federal Affairs and Local Development
Department of Local Infrastructure Development and Agricultural Roads
Local Bridge Section

TRAIL BRIDGE PROGRAM SECTOR WIDE APPROACH (TB SWAp)

Annual Programme and Budget for Fiscal Year 2072/073 (2015/016)



Photo : Padam Bhandari

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Acronyms

| | |
|-------------|---|
| ADB | Asian Development Bank |
| APB | Annual Program and Budget |
| BCI | Bridge Condition Investigation |
| DAG | Disadvantaged Groups |
| DBR | District Bridge Record |
| DDC | District Development Committee |
| DFID | Department for International Development/ UK Aid |
| DMBT | Demonstration Model Bridge Training |
| DoLIDAR | Department of Local Infrastructure Development and Agricultural Roads |
| DoLIDAR/LBS | DoLIDAR/Local Bridge Section |
| DPs | Development Partners |
| DRILP-AF | Decentralized Rural Infrastructure and Livelihood Project- Additional Financing |
| DTO | District Technical Office |
| EI | Educational Institute |
| FY | Fiscal Year |
| GoN | Government of Nepal |
| HELVETAS | HELVETAS Swiss Intercooperation |
| JFA | Joint Financing Arrangement |
| KAAA-BGN | Kadoorie Agricultural Aid Association – British Gurkha Nepal |
| LBS | Local Bridge Section |
| LBD | Local Bridge Directorate |
| LBU | Local Bridge Unit (in DTOs) |
| LIDP | Local Infrastructure Development Policy |
| LSGA | Local Self Governance Act |
| LSTB | Long Span Trail Bridge (LSTB Bridge) |
| MM | Major Maintenance |
| MoFALD | Ministry of Federal Affairs and Local Development |
| NGO | Non-Governmental Organization |
| NTBR | Nepal Trail Bridge Record |
| N-Type | Suspension Type Bridge |
| NVC | National Vigilance Centre |
| OAG | Office of the Auditors General |
| PAF | Poverty Alleviation Fund |
| PBBA | Post Bridge Building Assessment |
| PMIS | Programme Monitoring Information System |
| RADC | Remote Area Development Committee |
| RAIDP | Rural Access Improvement and Decentralization Project |
| RM | Routine Maintenance |
| R&D | Research and Development |
| RRRSDP | Rural Reconstruction and Rehabilitation Sector Development Program |
| SBD | Suspension Bridge Division |
| SDC | Swiss Agency for Development and Cooperation |
| SSTB | Short Span Trail Bridge (SST Bridge) |
| TA | Technical Assistance |
| TB SWAp | Trail Bridge Sector-Wide Approach |
| TBS | Trail Bridge Strategy |
| TBSCC | Trail Bridge SWAp Coordination Committee |
| TBSIS | Trail Bridge Strategy Information System |
| TBSSP | Trail Bridge Sub-Sector project |
| TBSU | Trail Bridge Support Unit |
| UC | Users' Committee |
| VDC | Village Development Committee |
| WB | World Bank |
| YPO | Yearly Plan of Operations |

1. EXECUTIVE SUMMARY

The Trail Bridge Sub-Sector Programme (TBSSP) is a government-led programme guided by the Trail Bridge Strategy, 2062 and the Trail Bridge Directives, 2066. Over the past years, the programme has matured and transitioned from the Sector Wide Approach (SWAp) Framework-I (2009-2014) to Framework –II (2014-2019). TB SWAp covers all 75 districts. The Ministry of Federal Affairs and Local Development (MoFALD)/Department of Local Infrastructure Development and Agriculture Roads (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. DoLIDAR provides conditional grants to District Development Committees (DDCs) based on the bridge need of districts approved by the District Councils. The main responsibility of planning, implementation, operation and maintenance of the trail bridges lies with the DDCs.

On behalf of SDC, TBSU/HELVETAS Swiss Intercooperation is responsible for providing Technical Assistance at the central level and shall orient / coach and monitor the joint ventures of regional NGOs / private consulting firms in implementation of TA and shall provide timely professional support to all agencies. At the regional level, TA shall be implemented by Regional Technical Assistance Providers, composed of NGOs/private consulting firms, through joint ventures.

The cost for materials and construction shall be allocated by the GoN and DPs such as the Asian Development Bank (ADB) and UK's Department for International Development (DFID) through two programmes respectively - Decentralized Rural Infrastructure and Livelihood Project – Additional Financing (DRLIP-AF) in 8 districts and Rural Access Programme (RAP) - 3 in further 8 districts. Poverty Alleviation Fund (PAF) and Kadoorie Agricultural Aid Association (KAAA) are also expected to support for construction of trail bridges.

Routine maintenance of 5,678, major maintenance/rehabilitation of 257 and new construction of 500 bridges is planned for FY 2072/073. This will also include construction of trail bridges at the feasible locations where people are using tuins. With this output, it is expected that additional 0.7 million people will have safe and improved access to basic services of which 50% will belong to economically poor and socially marginalized people -Disadvantaged Groups (DAGs¹). Similarly, 1 million people including 50% DAGs will get job opportunities at bridge sites. Rehabilitation, Major Maintenance and Reconstruction has been prioritised over new construction including 68 earthquake and 21 flood damaged bridges in the eastern region. In addition, the reconstruction and rehabilitation of bridges that were affected by floods in FY 2071/072 shall also be completed.

All UCs will be formed with proportionate representation of beneficiaries and at least one executive position will be held by marginalized groups. Women's representation will be at least 40% and it shall be maintained at the individual bridge sites as well. Public hearing shall be conducted at all the bridge sites while public audit shall be conducted at all community bridge sites within three months after completion. The workforce will be insured and equal pay for equal work shall be practiced at all sites. Continuous efforts through discussions from the very beginning of UC formation shall be made in order to help the UCs internalize the importance of women's involvement.

All trail bridges, irrespective of funding and/or implementing agency is expected to be incorporated in the DDCs annual plan and shall adhere to Trail Bridge Strategy and prescribed norms, standards, technologies and demarcation convention delineated therein. In addition to regular capacity building activities, modular course on Bridges will be introduced for Assistant sub-engineers of the NGOs hired by DDCs. Demonstration Model Bridge Training and Routine Maintenance trainings will be imparted at local level.

¹ DAGs include women, Dalit, Adibasi Janajati who live below the poverty line with earnings of less than USD 1.25 per person per day or having food security for less than 6 months from own production .

The total budget of NRs 2,310 million has been approved for TB SWAp for FY 2072/073, including NRs 100 million for the reconstruction/rehabilitation of earthquake damaged bridges. GoN shall contribute NRs. 1,806 million while SDC's contribution shall be NRs. 250 million in the form of TA support including bridge materials and an additional CHF 1.0 million for steel parts/cables for earthquake damaged trail bridges. In addition, NRs 254 million is earmarked to come from other donors, amongst which the expected contribution from ADB/DRILP-AF and DFID/RAP-3 are NRs.176.5 million and NRs.77.5 million respectively.

2. OUTCOME SUMMARY

The expected outcomes of the year FY 2072/073 (2015/016) as delineated in the Log Frame of TB SWAp Framework Document and based on the expected outputs are presented in the following table:

| S. N. | Indicator | Phase Target (FY 2071/072–2075/076) | Actual Achievements of 2071/072 | Expected Outcomes 2072/073 | Comments |
|---|---|---|--|---|--|
| 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 DAGs | 641,291 people including 57% disadvantaged group | 771,000 people, including 50% disadvantaged groups | The average beneficiaries per bridge is estimated at 1,500 persons, having 50% disadvantaged groups as foreseen in Framework II |
| 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 | 10% increment in school attendance and 10% visits to health centers | The expected outcomes are as foreseen in the Framework II |
| 1.3 | Market centers developed | 500 market centers (20% of bridges) | Markets developed at 39% of bridge sites | Increment of shops / markets at 20% of bridge sites | |
| 1.4 | Employment created at local level | 5.0 million person Days, including 50% DAGs | 845,952 p-days local employment including 63 % disadvantaged groups | 1,000,000 p-days of local employment, including 50% disadvantaged group | The average local employment per bridge is estimated at 2,000 p-days as foreseen in the Framework II |
| 1.5 | Women representation in UCs | At least 40% | 45% | 40% Women representation in UCs | Case studies shall be conducted to determine how women's participation in the UCs can be enhanced. Best practices shall be shared and implemented. |
| 1.6 | Representation of marginalized groups | Proportionate in all UCs | In 78% of UCs | Proportionate in all UCs | |
| 1.7 | Executive position to marginalized groups | At least one | One representative in all UCs | At least one in 100% of UCs | |

| S. N. | Indicator | Phase Target (FY 2071/072–2075/076) | Actual Achievements of 2071/072 | Expected Outcomes 2072/073 (2015/016) | Comments |
|---|---|--|---|---|---|
| Outcome 2: 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 to be made in Steering Committee meeting for initiating steps | This is new indicator for Framework II |
| 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 | Sharing information of centrally implemented bridges with Local Bodies | DoLIDAR has to issue letter to all concerned agencies |
| 2.3 | Public Hearing & Public Audit in all SSTB bridges | All SSTB bridges | PH of all and PA of 90% community bridge sites within the fiscal year | PH of all and PA of 92% of community bridge sites within the fiscal year; | The rest 8% will be done within 4 months of completion |
| 2.4 | Application of Technical standards and demarcation convention | Application of technical standards and demarcation convention mandatory for all bridge building agencies | Application by most bridge building agencies | Application by all bridge building agencies | LBS/DoLIDAR will carry out random inspection with the support of TBSU |
| 2.5 | Quality of bridge | 100% of bridges constructed meet set quality standards | 99 % (minor rectification needed at 1% bridges) | 100% of bridges constructed meet set quality standards | LBS/DoLIDAR will carry out random inspection with the support of TBSU |
| 2.6 | Application of prioritization criteria and formula | All DDCs and bridge building agencies +adhere to prescribed prioritization criteria of 1 hour detour | All bridge building agencies have adhered to prescribed prioritization criteria and formula | All bridge building agencies adhere to prescribed prioritization criteria and formula | LBS/DoLIDAR will carry out random inspection with the support of TBSU |

3. BASIC INFORMATION

Programme Context

The Trail Bridge Sub-Sector Programme (TBSSP) is a government-led programme guided by the Trail Bridge Strategy, 2062 and the Trail Bridge Directives, 2066. Over the past years, the programme has matured and transitioned from the Sector Wide Approach (SWAp) Framework-I (2009-2014) to SWAp Framework –II (2014-2019). This represents the successful implementation of Framework-I along with the continuation of the TBSSP scope to construct and maintain trail bridges through established institutions and systems. This will be the second year of implementation of TB SWAp Framework-II.

The goal of TB SWAp Framework-II is to contribute towards poverty alleviation through improved 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.

TB SWAp covers all 75 districts. The Ministry of Federal Affairs and Local Development/ Department of Local Infrastructure Development and Agriculture 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.

DoLIDAR provides conditional grants to District Development Committees (DDCs) based on district bridge need, approved by District Councils. The main responsibility of planning, implementation, operation and maintenance of the trail bridges lies with DDCs. DDC implements the Short Span Trail Bridges (SSTBs) through the community approach, while the Long Span Trail Bridges (LSTBs) through turn-key contracts.

On behalf of the Swiss Agency for Development and Cooperation (SDC), Technical Assistance (TA) at the center is provided by the Trail Bridge Support Unit (TBSU)/HELVETAS Swiss Intercooperation. A bi-lateral agreement between GoN and the Swiss Agency for Development and Cooperation (SDC) was signed in November 2014 to this effect. At the regional level, TA shall be implemented by NGOs/private consulting firms, through joint ventures. They are referred to as Regional Technical Assistance Providers (RTAPs). TBSU/HELVETAS shall continue coaching and monitoring RTAPs to ensure smooth transitioning of roles and tasks, through accompanied capacity building. In addition, TA and punctual support shall be provided by TBSU/HELVETAS to 13 Terai districts and 7 districts including districts of Karnali region, Banke and Bardiya through Special Focus units (SFUs).

The cost for materials and construction shall be allocated by the GoN and DPs, such as the Asian Development Bank (ADB) and UK's Department for International Development (DFID) through two programmes respectively - Decentralized Rural Infrastructure and Livelihood Project – Additional Financing (DRLIP-AF) in 8 districts and Rural Access Programme (RAP)-3 in a further 8 districts. Poverty Alleviation Fund (PAF) and Kadoorie Agricultural Aid Association (KAAA) are also expected to support TBSSP through the construction of trail bridges.

Damages to the Trail Bridge by Earthquakes and Floods

A total of 68 trail bridges in fourteen districts² were severely damaged by the earthquake and aftershocks that occurred between April – May 2015. In addition, 21 trail bridges were also damaged by floods in Taplejung, Sankhuwasabha and Kaski districts. As a consequence, the mobility and transportation in these rural areas were disrupted. In order to address the urgent need of these

² The severely earthquake damaged districts include: Gorkha, Rasuwa, Dhading, Sindhupalchowk, Sindhuli, Dolakha, Kavre, Manang, Lamjung, Ramechhap, Nuwakot, Udaypur, Panchthar and Myagdi.

damaged bridges, the reconstruction and major maintenance have been prioritized for this fiscal year.

Political context

One of the main mandates of the government is the drafting of the constitution. A first draft was tabled by the Constitution Drafting Committee in June 2015 and was taken for public consultation. This represents an encouraging and positive indication of progress. However, not all parties agree with the content of the draft and there is the possibility that they, and other interest groups, may raise their voices and make themselves heard through demonstrations, blockades and strikes that may affect the smooth implementation of the program activities. Nevertheless, the budget for fiscal year 2072/073 (2015/016) has already been tabled in the Constitution Assembly/Parliament.

As the draft constitution has provisioned Nepal as a Federal State, the existence of District in future is not very clear and is rather doubtful. Till now, all efforts have been made to capacitate the DDCs. Therefore, based on the upcoming local structure in the Federal System, programme activities related to implementation aspects will need to be readjusted in order to utilizing the already built District capacity.

4. EXPECTED OUTCOMES

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.

TB SWAp Framework II (2014 – 2019) envisions, 3.75 million rural people having safe and improved river crossing facilities. School attendance and visits to health centers is expected to be increased by 10%. Likewise, emergence of new market centers including growth of existing market centers are expected at 20% of the bridge sites. It is expected that 5.0 million person-days of local employment will be created at local level and 50% of employment created is expected to go to the Disadvantaged Groups (DAGs). Refer to Annex - I: TB SWAp LogFrame.

In the second year 2072/73 (2015/16) of Framework II, it is expected that 0.77 million people will have safe and improved access of which 50% of the beneficiaries will belong to disadvantaged groups. It is expected that 1 million person days of employment will be generated and disadvantaged groups will get 50% of the job opportunities available at bridge sites. School attendance and number of health posts visitors are likely to increase by 10%. Shops/market hub including growth of existing market centres are also expected to emerge and develop at 20% bridge sites.

Outcome 2: Government of Nepal, represented by MoFALD/DoLIDAR enforces Trail Bridge Strategy (TBS)/Local Infrastructure Development Policy (LIDP) in construction and maintenance of trail bridges.

Based upon the recommendations of the External Review of TB SWAp-I, DoLIDAR has been considerate to restructure its organizational structure, as solicited by the context for expediting the pace of local infrastructure development through capacity enhancement of local bodies. Steps will be initiated for forming Local Bridge Directorate (LBD) by drawing human resources from Local Bridge Section (LBS), Suspension Bridge Division (SBD) and Remote Area Development Committee (RADC). LBD shall undertake construction of trail bridges beyond the span of 250 m and bridges lying at international boundaries as well as multi-span and technically challenging bridges.

All trail bridges, irrespective of funding and/or implementing agency including centrally implemented LSTB bridges shall be incorporated in DDCs annual plan. Trail bridge construction plan, data and Information will be included in the annual plan of the local bodies including LSTB implemented by the Center. A letter to this effect will be issued by the DoLIDAR.

Local Bridge Section (LBS), with dedicated staff for trail bridges, have been established in all 75 DTOs. However, not all the LBSs have sufficient staff of at least one trained engineer and one sub-

engineer/ assistant sub-engineer. A standard list of qualified engineering consulting firms, fabricators and contractors shall be prepared by DoLIDAR. List of cement brands that will pass quality test, will be uploaded/ updated on the website and reference rates of construction materials as well as per metre costs of bridges shall also be uploaded / updated on the website.

All bridge building agencies including DDCs/DTOs will continue to abide by TBS/LIDP and adhere to prioritization criteria, norms, standards, technologies and demarcation convention. A quality inspection shall be carried out at all bridges built to ensure safety of lives and goods passing through the bridges. Monitoring at different stages of trail bridge construction will ensure that they conform to quality standards. Load tests shall be carried out at 5 bridge sites. Quality tests of construction materials shall also be carried out. DoLIDAR/LBS shall carry random monitoring and inspection of at least 10 bridges. At least 2 constructed bridges will be given aesthetic look through beautification.

The existing practice of close collaboration between LBS/DoLIDAR and TBSU shall continue. LBS/DoLIDAR, with support from TBSU will monitor the application of TB Strategy and its core manuals.

Transversal Themes

User Committees shall be formed inclusively. Each UC will have at least 40% women representation, proportionate representation of marginalized groups and at least one executive position by dmarginalized groups. Public Hearings and Audits shall be carried out in all bridges built under community approach. Equal pay for equal work shall be practiced at all sites and the workforce shall be paid within 15 days after UC receives funds from DDC/VDC. The basis for reporting shall continue to be the Project Books, which are maintained at the sites. These issues will be taken up in the planning and review meetings with RTAPs, DDCs/DTOs and NGOs. Refer to Annex – 1 for details.

Safety and Security

Insurance shall be procured for the workforce before commencing construction works. As a precautionary measure, safety items shall be provided to the workers by DDCs and the use of safety items shall be made mandatory.

5. EXPECTED OUTPUT

Summary of the output target for the year 2072/073 (2015/016) is given in the table below:

| Outputs | Phase Target (2071/072 - 2075/076) | Achievements for FY 2071/072 | Target for FY 2072/2073 |
|--|---------------------------------------|------------------------------------|-------------------------------|
| Routine Maintenance | 32,500 bridges | 4,867 | 5,678 |
| Major Maintenance | 800 bridges | 141 | 257 |
| New Construction (completion) | 2,500 brides | 335 | 500 |
| TB course (35 days) for Engineers | 25 persons | - | 25 |
| TB course (35 days) for Sub-Engineers | 25 persons | - | - |
| TB course (35 days) Asst. Sub-Engineers | 30 persons | - | - |
| Refresher Technical Course for Engineers | 60 persons | - | - |
| Refresher Technical Course for Sub Engineers | 100 persons | 34 person | 30 persons |
| Refresher technical course for NGOs | 120 persons | 26 persons | 30 persons |
| Survey/Design Training for private consultants | 60 persons | - | - |
| Quality Assurance Training for Fabricators and Contractors | 30 persons | - | 10 persons |
| Demonstrative Model Bridge Trainings | 5,000 persons | 312 persons | 600 persons |

| | | | |
|---|---------------|--------------|---------------|
| for Bridge Crafts persons | | | |
| Routine Maintenance Training for Bridge Wardens | 4,000 persons | 465 persons | 1,000 persons |
| Publication and printing of other instructional materials | 5 | - | 1 |
| Load testing of 2% sample new bridges | 50 bridges | 3 bridges | 5 bridges |
| Third party investigation of trail bridges | 10 | - | 2 |
| Updating of NTBR/DBR | 75 districts | 47 districts | 10 districts |
| Lab test of construction materials | 1,900 bridges | 350 bridges | 400 bridges |
| Baselines, Post Bridge Building Assessment, Case studies | 5 | 2 | 2 |
| Modular Course for Assistant Sub Engineer | - | - | 25 persons |

5.1. Maintenance and Construction of Trail Bridges

Routine Maintenance

The first priority within TB SWAp is the routine maintenance (RM) of trail bridges.

In order to sensitise local communities and regularise the activity, extra effort shall be taken during this fiscal year. RM training to at least 1000 Bridge Wardens will be organised based upon the Maintenance Manual. Furthermore, the effectiveness of BWs shall be assessed and if required new BWs shall be appointed.

Bridge Warden Day will be conducted in some districts to raise awareness amongst local communities for routine maintenance. If this event is proved to be successful, this will be rolled out and celebrated in other districts. Continue to mobilize mass media (e.g. local FM stations) for awareness rising amongst all stakeholders. A simple poster with 'do's' and 'don'ts' to raise awareness of bridge users will also be produced and disseminated at various public places and bridge sites.

A budget of NRs 38.170 million has been proposed under GoN funding for routine maintenance of 5,678 trail bridges. DDCs are to ensure that RM budget reaches down to the community level and monitor the performance of the BWs by anchoring routine maintenance at VDCs.

Rehabilitation, Major Maintenance and Reconstruction

Rehabilitation, Major Maintenance (MM) and Reconstruction, especially of earthquake damaged trail bridges, have been prioritised above new construction for this fiscal year. In particular, 68 bridges that were severely damaged by earthquakes in fourteen districts, 23 bridges in Dang and Surkhet that were affected by floods in 2014 and 20 bridges that were damaged by floods in Taplejung and Sankhuwasabha in 2015.



Katunje besi Ranitar trail bridge damaged by earthquake (Sindhupalchok)



Maminlung Trail bridge damaged by earthquake (Rasuwa)



Katahare Trail Bridge damaged by earthquake (Dhading)

In the last fiscal year, Bridge Condition Investigations (BCI)/ District Bridge Records (DBR), Survey/Design/Estimation of damaged trail bridges and immediate measures to regulating traffic flow were undertaken immediately after the earthquakes. By the end of the fiscal year, bridge investigations were completed for 72% of damaged bridges. As such, investigations for the remaining bridges are now planned along with the reconstruction and major maintenance of all the damaged bridges in FY 2072/073. A fund of NRs 100.000 million has been allocated by the GoN for this undertaking. Refer to Annex – II for details.

In addition, 21 bridges in the eastern region (Tapelegunj and Sankhuwasabha) were damaged by floods in 2015. For these bridges, bridge inspection and surveys shall be initiated. Refer to Annex – VIII for details.

The rehabilitation/reconstruction of 23 flood damaged bridges was also initiated in the last fiscal year; amongst which the MM of 6 bridges, financed through SDC, was completed. In this fiscal year, the completion of the remaining 17 bridges (8 through TA support of TBSU/HELVETAS and 9 through SBD) is planned. A total budget of NRs 200 million (NRs 100 million from GoN and NRs 100 million from SDC) for the 23 trail bridges has been planned for this activity. Refer to Annex – V for details.

Rehabilitation / major maintenance of 140 bridges, identified as critical bridges through Bridge Condition Investigation-I, was initiated in FY 2071/072. By the end of last fiscal year, rehabilitation and major maintenance of 128 bridges were completed, while 2 bridges were canceled due to construction of new bridge. Rehabilitation/major maintenance of the remaining 10 bridges shall be completed in FY 2072/073. Refer to Annex – V for details.

In addition, old and redundant bridges that pose risks to crossers shall be dismantled and/or notice boards warning locals of the risks shall be erected. DDCs shall work with local communities for this task.

New construction

A total of 500 bridges for new construction are targeted for the FY 2072/073 (2015/016). This will also include construction of at least 25 trail bridges at the feasible locations where people are using tuins. This includes 329 bridges under GoN funding (districts), 32 bridges under GoN funding (Central), 78 bridges under DRILP-AF funding, 22 bridges under DFID/RAP-3 funding, 20 bridges under RADC and 19 bridges under KAAA-BGN funding.

Under GoN funding (districts), there are 352 carry over bridges and additional 367 bridges planned for FY 2072/073. Amongst the newly planned bridges, 353 shall establish Community Agreement. Thus, there will be a total of 705 bridges under construction through TB SWAp. Out of which, 316 are expected to be completed. A budget of NRs. 773.360 million is proposed for the new bridge construction, including NRs. 7.7 million for DMBT, RM/BW Training, DBRs and Load Tests.

In addition, through GoN funding (central), 108 bridges, including 66 carry over and 42 new bridges shall be undertaken by the Suspension Bridge Division (SBD). Out of these bridges, 32 bridges are planned to be completed.

Furthermore, ADB/DRILP-AF will support the construction of 116 carryover and 16 new bridges in 8 districts (Taplejung, Okhaldhunga, Ramechhap, Gorkha, Lamjung, Myagdi, Baglung and Baitadi). Out of these bridges 78 are expected to be completed. Similarly, DFID/RAP-3 will provide financial grants for the completion of 22 carryover bridges in 8 districts (Dailekh, Humla, Jumla, Kalikot, Mugu, Achham, Bajura and Doti).

5.2. Enhanced Capacity at Local and Central Levels

Trail Bridge courses for 25 Engineers shall be conducted by Educational Institutions during FY 2072/073. A refresher course will also be provided for 30 each sub-engineers and assistant sub engineers. Survey/Design trainings has been planned for 10 private consultants.

Demonstration Model Bridge Trainings (DMBT) will be provided to 400 bridge craft persons selected by User's committees. Similarly 1,000 bridge wardens shall be trained in Routine Maintenance. Training on Social Safeguard has also been planned for 75 individuals.

A modular course on Diploma in Bridge Engineering shall be introduced for 25 Assistant Sub-Engineer of the NGOs hired by the DDCs. CTEVT has principally agreed to develop such course and the detail curriculum needs to be developed and approved. The taught course will be of 3 months for "theory input" including exams and 9 months of the "field work" in bridge related projects for 4 years duration. The course shall be completed at the end of fourth year. Educational institutes shall be selected for conducting the modular course.

To reinforce the technical, social and managerial capacity of NGOs, workshops will also be organized. Other workshops and seminars will be organized as per need. All the training activities will be organized by TBSU/HELVETAS Swiss Intercooperation and the cost will be borne out of the Technical Assistance budget provided by the Swiss Government through TBSU/HELVETAS.

5.3. Research and Development (R&D)

DoLIDAR is keen to test and promote the Research and Development of new ideas and gain enough data and experiences to draw conclusions. In this fiscal year the focus will be on:

- Consolidation and standardization of Pile Foundation in Terai
- Applicability of low cost river protection works at immediate upstream of bridges in Terai
- Review standard design in view of earthquake resilience.

In addition, the standard design allowing motorbike traffic in Terai will be finalized.

The findings and outcomes of R&D activities shall be reviewed by the Technical Committee established in DoLIDAR. TBSU/HELVETAS shall provide technical support for the verification of facts and data to validate the findings and draw conclusion for the replication in the future.

5.5. District Bridge Record (DBR)

It is crucial for DDC/DTOs to maintain and update District Bridge Records (DBRs) for planning and implementation of bridge maintenance. An essential component of the DBRs should be the condition of all bridges within the districts. This will ensure that risky crossings are flagged up and periodic maintenance of other bridges are conducted regularly.

DoLIDAR and TBSU/HELVETAS shall continue to encourage DDC/DTOs to maintain and update the DBRs with bridge conditions. This shall apply to all districts, except the Terai, where the numbers of completed bridges are few. In the next few years, the DBRs of Terai bridges shall also be a priority.

In the last fiscal year, the DBRs were completed for 47 districts. Remaining DBRs, including Bridge Condition Investigation Surveys, shall be completed in the upcoming fiscal year. The 'Guidelines for the Maintenance of Trail Bridges' has been finalised. Based on this manual, systematic planning and execution of maintenance works will be established and shall be monitored rigorously.

In addition, amendments of guidelines to include trail bridges in the District Transport Master Plans (DTMPs) shall also be initiated by LBS/DoLIDAR to ensure effective planning and utilisation of available resources. However, this plan is very much contingent to the upcoming federal demarcations.

5.6. Updating of Prospective Bridge List (Long List)

Because of the changed settlement pattern and expanded road networks, some of the trail bridge need identified in 2009 and enlisted in the Long List may not be relevant now. New locations might require a TB for the same reasons. Therefore, in order to maintain the strategic milestone of

meeting one hour detour criteria, a process to be initiated in this fiscal year with the support of TBSU to update the Long List in order to finalize it by the end of FY 2074/75.

5.7. Procurement

District Development Committees shall procure fabricated steel parts through e-bidding as per the GoN's procurement rules and regulations and by using the standard bidding documents. Procurement of wire ropes and bulldog grips shall be initiated by DoLIDAR through international competitive bidding. TBSU/HELVETAS shall provide TA to ensure that the wire ropes and bulldog grips conform to the required standards. A budget of NRs. 155 million has been proposed for the procurement of cables and NRs 14.7 million for bulldog grips.

6. PROJECT MANAGEMENT AND FINANCIAL RESOURCES

6.1 Project Management

Steering Committee Meeting (SC)

Ministry of Federal Affairs and Local Development (MoFALD) has constituted a Steering Committee at central level to review progress, resolve policy issues and guide DoLIDAR. The SC will meet as necessary, but not less than once a year.

Trail Bridge SWAp Coordination Committee Meeting

Trail Bridge SWAp Coordination Committee (TBSCC) meeting is planned to be held twice a year in November 2015 and May 2016. The November meeting will endorse the Annual Project Report (APR) of the FY 2071/072. While the May meeting will endorse the Annual Plan and Budget (APB) of 2073/074. If necessary, the APR and APB can also be brought to the SC meeting for approval.

In addition, the TBSCC shall assess TB SWAp progress, delegate authorities at the operational level and identify constraints in implementation and determine corrective measures where necessary.

The annual performance review of district trail bridge program shall be incorporated in the annual review program of MoFALD. Technical Review Mission will be organized in March 2016.

Technical Audit

DoLIDAR shall request the National Vigilance Centre (NVC) to conduct third party technical audit of a sample of trail bridges completed in FY 2071/072 for independent monitoring. DoLIDAR will provide the required funds to NVC for technical audit.

Audit of TB SWAp Accounts

Office of Auditor General (OAG) shall audit the accounts of TB SWAp at the centre and district as per the prevailing laws and practices. At the centre, LBS/DoLIDAR shall provide the required information and updates on TB SWAp. At the districts, DDC/DTOs shall be responsible for providing all required support and logistic support for the audits of accounts.

Technical Assistance

Technical assistance will continue to be provided by SDC through TBSU/HELVETAS Swiss Intercooperation for TB SWAp. The major areas of TA shall include quality monitoring, capacity enhancement, updating of the Programme Monitoring Information System (PMIS) and Trail Bridge Strategy Information System (TBSIS), establishing and updating District Bridge Records, updating Long List, material support and promoting social inclusion and good governance.

At the regional levels, Regional Technical Assistance Providers (RTAPs), composed of NGOs/private consulting firms, through joint ventures, will continue to provide TA. The key areas of support shall include assisting DDCs in planning and budgeting; survey and design; quality inspection of fabricated steel parts; providing punctual support to DDCs; monitoring bridge quality;

quality inspections and tests; and supporting DoLIDAR for collecting and compiling physical progress and financial reports.

TBSU/HELVETAS will continue to orient and coach RTAPs for the implementation of TA at the regional and district levels. Likewise, supporting DoLIDAR for building capacity of central and local government, NGOs, Educational Institutes and the Private Sector; managing information; monitoring application of Trail Bridge Strategy; research and development on bridge technology and approach, and review/update of norms and standards shall fall under TA responsibilities of TBSU/HELVETAS.

Meanwhile, regional stores for wire ropes and bulldog grips, which are being jointly managed by GoN and TBSU/HELVETAS, will gradually come under full control of the GoN by 2019.

Quality Monitoring

Quality assurance of each and every trail bridge is of the utmost importance within TB SWAp.

During FY 2072/073, there will be over 700 trail bridges under construction, at different stages of implementation. These bridges shall be continuously monitored, from planning to completion, through the existing well-established and robust monitoring systems. The prime responsibility of supervision and monitoring shall lie with DDCs/DTOs. TBSU/HELVETAS as a TA provider will provide support to LBS/DOLIDAR and RTAPs for monitoring quality of works and private sector for quality assurance. Furthermore, RTAPs shall provide TA to DDCs/DTOs, including district NGOs for monitoring quality of works.

For monitoring purposes, the project cycle is divided into ten milestones that are further grouped as ordinary and critical. DDCs/DTOs are to monitor all ten milestones, whereas RTAPs and TBSU/HELVETAS are to monitor during critical milestones by making field visits. In case of ordinary milestones as well, RTAPs and TBSU / HELVETAS will make field visits where the districts lack capacity. Sample of raw materials are collected from fabricators and tested at reliable labs. Fabricators are to commence production only after the samples of raw steel passes the specified tests. Quality of fabricated steel parts is to be thoroughly checked after the completion of fabrication works.

In addition, information related to quality monitoring, based on the Comprehensive Manual for Monitoring and adherence to the Trail Bridge Strategy, shall be recorded and monitored through TBSIS.

6.2 Financial Resources

A total budget of NRs 2,310.426 million, including TA support provided by SDC is required for FY 2072/073 to achieve the set targets. The expected contributions are as follows:

| Expected contributions | NRs (in millions) |
|------------------------|-------------------|
| GoN | 1,806.876 |
| SDC | 250.000 |
| Total | 2,056.876 |
| ADB/DRILP-AF | 176.000 |
| DFID/RAP-3 | 77.550 |
| GRAND TOTAL | 2,310.426 |

A budget of NRs 38.170 million has been proposed for Routine Maintenance, NRs 140.441 million for Major Maintenance and a further NRs 100 million for the reconstruction and rehabilitation of earthquake and flood damaged bridges. NRs 773.643 million have also been earmarked for New Construction (district). The new construction budget also includes the budget for RMT (NRs 3.3 m), DBR (NRs 4.2 m) and Load Test (NRs 0.9 m). Refer Annex-X for district wise details.

Budget provision of NRs 520.000 million has also been provisioned for centrally implemented SBD bridges. A budget of NRs 14.082 million are also proposed for recurrent expenses of both SBD and LBS.

Of the Government budget, 38% shall be utilized at the centre, while 62% shall be spent at the district levels. At the centre, expenses shall include the procurement of wire ropes and costs of bridges built through Suspension Bridge Division.

A budget of NRs 176 million and NRs 77.55 million is also expected to be available from DRILP-AF and RAP-3 respectively for completion of bridges in their respective 8 districts.

In addition, technical assistance shall be provided by SDC through TBSU/HELVETAS Swiss Intercooperation. The budget for the TA is NRs 250 million. Similarly, SDC will provide additional CHF 1.0 million for procurement of steel parts and cables for reconstruction of earthquake damaged bridges through TBSU.

Refer to Annex II for the budget proposed for the FY 2072/03 and Annex IX for the summary break down of the budget. The budget will be subject to revisions until it is finally approved by GoN.

7. ISSUES AND LESSONS

Reconstruction and rehabilitation of trail bridges damaged by the earthquakes and floods is of the top most priority ahead of new planning/new construction for FY 2072/073.

Provision and early authorization of budgets, as proposed in this Annual Programme and Budget, is essential for ensuring faster implementation and achieving targets. Similarly, internalization of the importance of maintenance by DDCs and local communities is also very crucial. The need to dismantle old bridges to safeguard people from risky crossings is also important and should be dealt sensitively with local communities.

The transitioning of roles and responsibilities at the regional level to RTAPs has been encouraging and one measure of its success has been the smooth functioning of TB SWAp after the devastating earthquakes. However, coaching and backstopping from TBSU/HELVETAS will still be required and shall be continued.

At the central level, it has been evident for some years that the lack of sufficient human resources at LBS/DoLIDAR has limited its functioning and the ultimate taking over of TA to TB SWAp, as envisioned in Framework-II. Therefore, LBS/DoLIDAR needs to be equipped with sufficient number of human resources and facilities to take up its planned role from the beginning.

On behalf of LBS / DoLIDAR



Amrit Shrestha

Chief

Local Bridge Section

Department of Local Infrastructure Development and Agricultural Roads

Date: 4th September 2015

Annex - I:

Trail Bridge SWAp Log Frame

Trail Bridge Sector Wide Approach Logical Framework 2014-2019

| Narrative Summary | Objectively Verifiable Indicators | Means of Verification | Assumptions |
|---|--|---|---|
| Goal: 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"> Trail Bridge Strategy Information System (TBSIS) Report Impact Monitoring Report | |
| 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. 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"> Community Application Form Post Bridge Building Assessment Trail Bridge Strategy Information System (TBSIS) Report Case Study Reports Outcome Monitoring Report | <ul style="list-style-type: none"> Trail bridge program and resources are devolved from the centre to the local bodies Required funds are available from the development partners and the GoN Private sector and service providers are available and willing to participate in trail bridge building Technical assistance is available for the period 2014-2019 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 |

| Narrative Summary | Objectively Verifiable Indicators | Means of Verification | Assumptions |
|---|---|--|-------------|
| <p>Outcome 2: 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"> • Project Book • Monitoring and Inspection Reports • TBSIS Report • Annual Project Report • PMIS Report • PBBA Report | |

| Narrative Summary | Objectively Verifiable Indicators | Means of Verification | Activities |
|--|---|---|---|
| Outcome 1: 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... | | | |
| Output 1: Local communities construct and maintain trail bridges with the support DDCs. | 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"> • Work Completion certificates • DDCs' Annual Report • PMIS | <ul style="list-style-type: none"> • Prepare DDCs periodic plan and DDC/DTO annual plan • Insert/ locate constructed and planned bridges in DTMP • Conduct baseline survey • Collect and compile bridge further demands from across the districts • Prioritize new demands • Prepare Procurement Plan of DDC/DTO • Construct bridges in order of priority • Procure wire ropes and bulldog grips from the centre • Procure construction materials (except wire ropes, bulldog grips, and locally available materials) by DDC/DTO • Sign MOU with the Community to construct SSTB bridge • Hire NGOs to provide technical and social support to communities for SSTB bridge construction • 1.8 Construct LSTB bridges by DDCs through private sector on turnkey (lump sum) modality • Revive/ appoint BWs/BMCs for RM (DDCs through VDCs) • Monitor quality of constructed bridges through DTO • Monitor performance of RM through DDCs/VDCs • Update DBR at districts through DDC/DTO • Update NTBD at the centre • Prepare/update Trail Bridge Directory (trail bridge inventory) by DDC and National Trail Bridge Directory at the centre |

| Narrative Summary | Objectively Verifiable Indicators | Means of Verification | Activities |
|---|---|--|---|
| Output 2: Local bodies and local communities (including CBOs / NGOs and private sector) strengthen their capacity to implement trail bridge programme at local level | 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"> • TBSIS Report • DDCs/DTOs Human Resource Monitoring Report • Bridge Site Visit / Monitoring Reports • Inspection Reports • Delegation Agreement between DDC and NGO | <u>DDC/DTO level</u> <ul style="list-style-type: none"> • Make Local Bridge Section / Unit functional at DTO with technical personnel • Hire NGOs for providing technical and social support to communities • Outsource the required regional support to consulting firms / NGOs • Organize training courses for DDCs / DTOs personnel, UC, consultants including monitors and inspectors, NGOs personnel, fabricators and contractors • Monitor the services and reports of NGOs • Check and approve each bridge survey and design • Monitor construction works of each bridge and conduct quality test of construction materials • Inspect and issue Work Completion Certificate • Monitor timely payment and equal pay for equal work to workers from UCs • Provide construction materials and funds to UCs in time • Submit progress reports to DoLIDAR • Inspect bridges regularly and update District Bridge Record with bridge conditions |

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

| Narrative Summary | Objectively Verifiable Indicators | Means of Verification | Activities |
|---|--|--|---|
| Output 4: Stakeholders at national level strengthen their capacity to select and use right technologies for trail bridge construction. | 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"> • Research Reports • Impact Study Reports • Manuals and Guidelines • Annual Progress Report | <ul style="list-style-type: none"> • Carry out action-research on suitable type of trail bridges for Terai districts • Pilot more cost effective SSTB bridges beyond 120m • Introduce technological enhancement of gravity ropeway • Initiate alternative of river crossing • Review demarcation policy on application of SSTB and • LSTB based on action research and findings of piloting • Expand community approach for LSTB bridges • Review implementation modality of LSTB based on findings of action research and findings of piloting • Carry out different impact studies and assessments • Update manuals and guidelines based on lessons learned • Incorporate beautification of selected trail bridges • Pilot power-trailer suspension bridges • Implement technically challenging and multi-span trail bridges including those lying on international boundary |

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:

Trail Bridge SWAp GoN Proposed Budget for FY 2072/073 (2015/016)

फोल्डो पुल क्षेत्रगत कार्यक्रम

आ.स. २०७२/०७३ वार्षिक कार्यक्रम

| श.स. २०७२/०७३ | | फोल्डो पुल क्षेत्रगत कार्यक्रम TB SWAP | | | | | | | | रु ००० | |
|---------------|-----------------------------|--|--------------|------------|---------------------|-------------------|---------|-----------|-------------|---------|--------|
| क्र.सं. | अधिकृत | जिल्ला | नेपाल सरकार | | | | वैदेशिक | कुल जम्मा | कुल जम्मा | | कैफियत |
| | | | नियमित मर्मत | वृहत मर्मत | नया र कमागत निर्माण | लडा तथा बुल्डगरीस | | | नेपाल सरकार | वैदेशिक | |
| क) | पुजिगत खच | | | | | | | | | | |
| अ) | जि.वि.स.सशर्त पुजिगत अनुदान | | | | | | | | | | |
| १ | जिल्ला विकास समिति | ताप्लेजुङ | ८५८ | २,६७९ | २,६४० | | | ६,१७७ | ६,१७७ | | |
| २ | जिल्ला विकास समिति | पाँचथर | ६८४ | ८०० | ११,९४० | | | १३,४२४ | १३,४२४ | | |
| ३ | जिल्ला विकास समिति | ईलाम | ७८० | ९०० | १४,१६८ | | | १५,८४८ | १५,८४८ | | |
| ४ | जिल्ला विकास समिति | भक्तपुर | ३० | | ११,४४२ | | | ११,४८२ | ११,४८२ | | |
| ५ | जिल्ला विकास समिति | मोरङ | २३४ | १,०३५ | १२,६४८ | | | १३,९१७ | १३,९१७ | | |
| ६ | जिल्ला विकास समिति | सुनसरी | ७२ | ४०० | १२,६४१ | | | १३,२१३ | १३,२१३ | | |
| ७ | जिल्ला विकास समिति | धनकुटा | २५२ | | ११,३४१ | | | ११,५९३ | ११,५९३ | | |
| ८ | जिल्ला विकास समिति | तेह्रथुम | ५५२ | ९५९ | १०,४५७ | | | ११,९६८ | ११,९६८ | | |
| ९ | जिल्ला विकास समिति | संखुवासभा | ६४८ | १,००० | १०,९७८ | | | १२,६२६ | १२,६२६ | | |
| १० | जिल्ला विकास समिति | भोजपुर | ६७८ | ३,०६० | १३,६४१ | | | १७,३८९ | १७,३८९ | | |
| ११ | जिल्ला विकास समिति | सोनमधु | ६४८ | २,१९६ | १३,०१७ | | | १५,८६१ | १५,८६१ | | |
| १२ | जिल्ला विकास समिति | खोटाङ | ९७८ | २,४५० | ९,०६९ | | | १२,४९७ | १२,४९७ | | |
| १३ | जिल्ला विकास समिति | ओखलढुङ्गा | ६७२ | १,२३० | ४,४०० | | | ६,३०२ | ६,३०२ | | |
| १४ | जिल्ला विकास समिति | उदयपुर | ३३६ | १,८३५ | १४,०२८ | | | १६,१९९ | १६,१९९ | | |
| १५ | जिल्ला विकास समिति | सिराहा | ३६ | | १३,३४६ | | | १३,३८२ | १३,३८२ | | |
| १६ | जिल्ला विकास समिति | सप्तरी | ३६ | ४०० | १०,२१६ | | | १०,७५२ | १०,७५२ | | |
| १७ | जिल्ला विकास समिति | धनुषा | ३० | | १०,४७७ | | | १०,५०७ | १०,५०७ | | |
| १८ | जिल्ला विकास समिति | महोत्तरी | ४२ | ४०० | १२,४१५ | | | १२,९५७ | १२,९५७ | | |
| १९ | जिल्ला विकास समिति | सर्लाही | ५४ | ४०० | १३,४४१ | | | १३,९९५ | १३,९९५ | | |
| २० | जिल्ला विकास समिति | सिन्धुली | ४८० | ४,८८७ | ११,६४९ | | | १७,०२६ | १७,०२६ | | |
| २१ | जिल्ला विकास समिति | रामेछाप | ९६० | १,८५१ | | | | २,८११ | २,८११ | | |
| २२ | जिल्ला विकास समिति | दोलखा | १,०२६ | ४,१८५ | ९,१८७ | | | १४,३९८ | १४,३९८ | | |

| नेपाल सरकार तथा स्थानीय विकास मन्त्रालय स्थानीय पूर्वाधार विकास तथा श्रमि सञ्चक विभाग भोलुङ्गे पुल क्षेत्रगत कार्यक्रम आ.म. २०७२/०७३ मापिक कार्यक्रम | | | | | | | | | | | |
|---|--------------------|----------------|--|------------|-----------------------|---------------------|---------|-----------|-------------|---------|--------|
| सि.न. २४५०९ | | | भोलुङ्गे पुल क्षेत्रगत कार्यक्रम TB SWAp | | | | | | रु. ००० | | |
| नाम: | पद/पदवी: | जिल्ला | नेपाल सरकार | | | | वैदेशिक | कुल जम्मा | जम्मा | | कैफियत |
| पद/पदवी: | अधिकृत | जिल्ला | नियमित मर्मत | वृहत मर्मत | नया र क्रमागत निर्माण | लडा तथा बुन्डगरीप्ल | | | नेपाल सरकार | वैदेशिक | |
| २३ | जिल्ला विकास समिति | सिन्धुपाल्चोक | ८४६ | ४,२६७ | ९,८४९ | | | १४,९६२ | १४,९६२ | | १४,९६२ |
| २४ | जिल्ला विकास समिति | काभ्रेपलान्चोक | ८२८ | ३,४१० | ८,२९७ | | | १२,६३५ | १२,६३५ | | १२,६३५ |
| २५ | जिल्ला विकास समिति | ललितपुर | ४५० | ३,०४७ | ८,२७५ | | | ११,७७२ | ११,७७२ | | ११,७७२ |
| २६ | जिल्ला विकास समिति | भक्तपुर | ४८ | १,२९० | ४,३७० | | | ५,७०८ | ५,७०८ | | ५,७०८ |
| २७ | जिल्ला विकास समिति | काठमाण्डौ | १८० | २,९७२ | ५,६४५ | | | ८,७९७ | ८,७९७ | | ८,७९७ |
| २८ | जिल्ला विकास समिति | नुवाकोट | ८५२ | ४,३८२ | १०,०५० | | | १५,२८४ | १५,२८४ | | १५,२८४ |
| २९ | जिल्ला विकास समिति | रसुवा | ४२० | ४,१२५ | ७,८७५ | | | १२,४२० | १२,४२० | | १२,४२० |
| ३० | जिल्ला विकास समिति | धौदिङ्ग | ७६२ | ४,७९२ | १०,८७५ | | | १६,४२९ | १६,४२९ | | १६,४२९ |
| ३१ | जिल्ला विकास समिति | मकवानपुर | ३०० | ३,४०० | ८,१५० | | | ११,८५० | ११,८५० | | ११,८५० |
| ३२ | जिल्ला विकास समिति | चितवन | २८२ | १,१३५ | १०,९४० | | | १२,३५७ | १२,३५७ | | १२,३५७ |
| ३३ | जिल्ला विकास समिति | बारा | १२ | | ११,३८१ | | | ११,३९३ | ११,३९३ | | ११,३९३ |
| ३४ | जिल्ला विकास समिति | रौतहट | ३६ | ४०० | ८,८६७ | | | ९,४०३ | ९,४०३ | | ९,४०३ |
| ३५ | जिल्ला विकास समिति | पर्सा | ४८ | ६०० | १४,८१६ | | | १५,४६४ | १५,४६४ | | १५,४६४ |
| ३६ | जिल्ला विकास समिति | गोर्खा | १,००८ | २,८३० | | | | ३,८३८ | ३,८३८ | | ३,८३८ |
| ३७ | जिल्ला विकास समिति | लम्जुङ्ग | ९९० | २,११८ | | | | ३,१०८ | ३,१०८ | | ३,१०८ |
| ३८ | जिल्ला विकास समिति | मनाङ | ४१६ | १,००० | ११,०२० | | | १२,४३६ | १२,४३६ | | १२,४३६ |
| ३९ | जिल्ला विकास समिति | कास्की | ७६८ | १,००० | १३,२०० | | | १४,९६८ | १४,९६८ | | १४,९६८ |
| ४० | जिल्ला विकास समिति | तनहुँ | ५२८ | १,००० | १५,६०० | | | १७,१२८ | १७,१२८ | | १७,१२८ |
| ४१ | जिल्ला विकास समिति | स्याङ्जा | ६८० | १,५०० | १४,८०० | | | १६,९८० | १६,९८० | | १६,९८० |
| ४२ | जिल्ला विकास समिति | पर्वत | १,०१४ | १०० | १०,०८० | | | ११,९९४ | ११,९९४ | | ११,९९४ |
| ४३ | जिल्ला विकास समिति | शानुङ्ग | २,४६० | ३,९५० | | | | ६,४१० | ६,४१० | | ६,४१० |
| ४४ | जिल्ला विकास समिति | म्याग्दी | १,०४० | ५,७५० | ६,००० | | | १२,७९० | १२,७९० | | १२,७९० |
| ४५ | जिल्ला विकास समिति | मुस्ताङ्ग | ३५२ | ५०० | ११,६०० | | | १२,४५२ | १२,४५२ | | १२,४५२ |
| ४६ | जिल्ला विकास समिति | पाल्पा | ७९८ | १,४०० | १२,८०० | | | १४,९९८ | १४,९९८ | | १४,९९८ |
| ४७ | जिल्ला विकास समिति | नवलपरासी | २७० | ६५० | ११,२०० | | | १२,१२० | १२,१२० | | १२,१२० |
| ४८ | जिल्ला विकास समिति | रूपन्देही | ७८ | १,०२० | १३,००० | | | १४,०९८ | १४,०९८ | | १४,०९८ |

| भोलुङ्गे पुल क्षेत्रगत कार्यक्रम TB SWAp | | | | | | | | | | |
|--|--------------------|------------|--------------|------------|---------------------|---------------------|---------|-------------|---------|--------|
| क्र.सं. | नाम : योजना/अवकाश | जिल्ला | नेपाल सरकार | | | | वैदेशिक | कुल | | कैफियत |
| | | | नियमित मर्मत | मृहत मर्मत | नया र कमागत निर्माण | लडा तथा मुल्डगरीप्ल | | नेपाल सरकार | वैदेशिक | |
| ४९ | जिल्ला विकास समिति | कपिलवस्तु | ३६ | | ९,६३८ | | | ९,६७४ | ९,६७४ | ९,६७४ |
| ५० | जिल्ला विकास समिति | अर्घाखाँची | ३१८ | ५०० | १८,४०० | | | १९,२१८ | १९,२१८ | १९,२१८ |
| ५१ | जिल्ला विकास समिति | गुल्मी | १,०४४ | १,२४० | १३,२०० | | | १४,४९४ | १४,४९४ | १४,४९४ |
| ५२ | जिल्ला विकास समिति | रूकुम | ४२८ | २,००० | १०,०४८ | | | १२,४८६ | १२,४८६ | १२,४८६ |
| ५३ | जिल्ला विकास समिति | सल्यान | १९२ | १,५०० | १४,४९४ | | | १६,१८६ | १६,१८६ | १६,१८६ |
| ५४ | जिल्ला विकास समिति | रोल्पा | ८६४ | १,४०० | १४,११२ | | | १६,३७६ | १६,३७६ | १६,३७६ |
| ५५ | जिल्ला विकास समिति | प्युठान | ६४२ | २,१०० | १२,०४३ | | | १४,७९५ | १४,७९५ | १४,७९५ |
| ५६ | जिल्ला विकास समिति | दाङ | २४८ | १,००० | १७,८९३ | | | १९,१४१ | १९,१४१ | १९,१४१ |
| ५७ | जिल्ला विकास समिति | बाँके | ४८ | ७६६ | ७,४३४ | | | ८,२४८ | ८,२४८ | ८,२४८ |
| ५८ | जिल्ला विकास समिति | बर्दिया | ४८ | ७६६ | ७,४३४ | | | ८,२४८ | ८,२४८ | ८,२४८ |
| ५९ | जिल्ला विकास समिति | सुर्खेत | ४४० | ३,५०० | ९,४७२ | | | १३,४१२ | १३,४१२ | १३,४१२ |
| ६० | जिल्ला विकास समिति | जानकीकोट | ४४४ | ३,००० | १०,४३१ | | | १३,९७५ | १३,९७५ | १३,९७५ |
| ६१ | जिल्ला विकास समिति | दैलेख | ४६८ | ३,००० | ११,३१० | | | १४,७७८ | १४,७७८ | १४,७७८ |
| ६२ | जिल्ला विकास समिति | डोल्पा | ६३० | ३,०९० | १४,९०५ | | | १९,६२५ | १९,६२५ | १९,६२५ |
| ६३ | जिल्ला विकास समिति | जुम्ला | ४७६ | १,०७२ | ७,७८८ | | | ९,४३६ | ९,४३६ | ९,४३६ |
| ६४ | जिल्ला विकास समिति | मुगु | ६३० | २,४९० | ९,४१४ | | | १२,७३४ | १२,७३४ | १२,७३४ |
| ६५ | जिल्ला विकास समिति | कालीकोट | ६४२ | १,०९४ | ११,०८६ | | | १२,८२२ | १२,८२२ | १२,८२२ |
| ६६ | जिल्ला विकास समिति | हुम्ला | ६८४ | ३,६०८ | ७,८१८ | | | १२,११० | १२,११० | १२,११० |
| ६७ | जिल्ला विकास समिति | बझाङ | ६१८ | २,४०० | ९,९९० | | | १३,१०८ | १३,१०८ | १३,१०८ |
| ६८ | जिल्ला विकास समिति | बाजुरा | ४६२ | ३,००० | ६,९२६ | | | १०,३८८ | १०,३८८ | १०,३८८ |
| ६९ | जिल्ला विकास समिति | अछाम | ४८० | २,५०० | ९,०४८ | | | १२,०३८ | १२,०३८ | १२,०३८ |
| ७० | जिल्ला विकास समिति | डोटी | ६०६ | ३,००० | ७,८६९ | | | ११,४७५ | ११,४७५ | ११,४७५ |
| ७१ | जिल्ला विकास समिति | कैलाली | २०४ | १,००० | ९,२७७ | | | १०,४८१ | १०,४८१ | १०,४८१ |
| ७२ | जिल्ला विकास समिति | कञ्चनपुर | ८४ | १,४०० | १४,०७९ | | | १५,५६३ | १५,५६३ | १५,५६३ |

रु. ०००

सह सचिव

[illegible]

स्वास्थ्य विकास तथा क्षमता विकास

भोलुङ्गे पुल क्षेत्रगत कार्यक्रम

आ.ब. २०७२/०७३

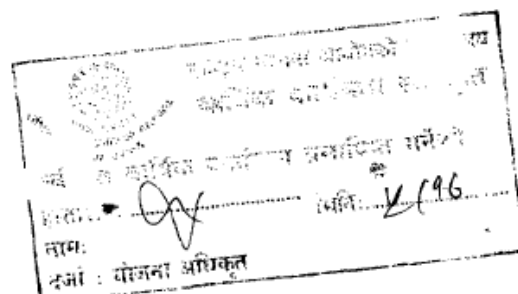
| ब.शि.म. २५४८०९ | | | | | | | र. ००० | | | | |
|----------------|---|--------|---|------------|---------------------|---------------------|-------------------|-------------|----------|------------|----------|
| सि.न. | अख्तियारी पाउने कार्यालय | जिल्ला | भोलुङ्गे पुलक्षेत्रगत कार्यक्रम TB SWAp | | | | | जम्मा | | कुल जम्मा | कैफियत |
| | | | नेपाल सरकार | | | | | श्रोत | | | |
| | | | नियमित मर्मत | बृहत मर्मत | नया र कमागत निर्माण | लडा तथा बुल्डगरीप्स | वैदेशिक मुल्यांकन | नेपाल सरकार | वैदेशिक | | |
| | भो.पु. निर्माण, मर्मत तथा सर्भे | | ५२०००० | | | | | ५२०,००० | ५२०००० | ५२०००० | |
| | जम्मा | | | | | | | ५२०,००० | ५२०००० | ५२०००० | |
| ग) | भोलुङ्गे पुल सहयोग ईकाई बजेट रकम नं. २२२३०२ | | | | | | | २५०,००० | | २५०००० | |
| | पुजिगत जम्मा | | | | | | | २,०४२,७९४ | १७९,२७९४ | २५०००० | २०४२,७९४ |
| | प्रशासनिक चालु खर्च | | | | | | | | | | |
| क | सस्पेन्सन् मृज डिभिजन | | | | | | | | | | |
| ख | स्थानीय पुल शाखा | | | | | | | | | | |
| | चालु खर्च जम्मा | | | | | | | १४,०८२ | १४,०८२ | | |
| | कुल जम्मा | | ३८,१७० | १४०,४४९ | १२९,३६४३ | ६५५४० | | २०४,६८७६ | १८०,६८७६ | २५,०००,००० | २०४,६८७६ |

तयार गर्ने अधिकृतको दस्तखत
मिति :-

आयोजना/कार्यालय प्रमुखको दस्तखत
मिति :-

विभागिय प्रमुखको दस्तखत :
मिति :-

प्रमाणित गर्नेको दस्तखत
मिति :-



Annex - III:

Trail Bridge SWAp Annual Program for FY 2072/073 (2015/016)

Trail Bridge Sector-Wide Approach Annual Plan for FY 2071/072 (2014/15) Program Summary

Sources of Funding & Activity-wise

| SN | Supported Through | Routine Maintenance | Major Maintenance | New Construction |
|--------------------|---------------------------|---------------------|-------------------|------------------|
| | | Nos. | Nos. | Nos. |
| 1 | GoN - Funded | 5,678 | 257 | 329 |
| 2 | DRILP-AF Funded | 0 | 0 | 78 |
| 3 | RAP- Funded | 0 | 0 | 22 |
| 4 | SBD (GoN funded- Central) | 0 | 0 | 32 |
| 5 | KAAA-BGN Funded | 0 | 0 | 19 |
| 6 | RADC | 0 | 0 | 20 |
| Grand Total | | 5,678 | 257 | 500 |

Trail Bridge Sector-Wide Approach
Annual Plan for FY 2072/073(2015/016)
GoN -Funded District-wise Program

| S.N. | District | Routine Maintenance | Major Maintenance | New Construction |
|----------------|----------------|---------------------|-------------------|------------------|
| Eastern Region | 1 Taplejung | 141 | 11 | 0 |
| | 2 Panchthar | 112 | 4 | 8 |
| | 3 Ilam | 142 | 2 | 7 |
| | 4 Dhankuta | 42 | 0 | 5 |
| | 5 Terhathum | 92 | 4 | 5 |
| | 6 S Sava | 105 | 3 | 10 |
| | 7 Bhojpur | 114 | 5 | 9 |
| | 8 Udaypur | 55 | 5 | 10 |
| | 9 Khotang | 160 | 4 | 8 |
| | 10 Okhaldhunga | 110 | 5 | 0 |
| | 11 Solukhumbu | 104 | 2 | 6 |
| | 12 Jhapa | 6 | 0 | 6 |
| | 13 Morang | 39 | 4 | 6 |
| | 14 Sunsari | 15 | 0 | 4 |
| | 15 Saptari | 7 | 0 | 4 |
| | 16 Siraha | 4 | 0 | 3 |
| | Total | 1248 | 49 | 91 |

| | | | | |
|----------------|--------------------|-------------|-----------|-----------|
| Central Region | 17 Dolakha | 138 | 7 | 5 |
| | 18 Ramechhap | 127 | 5 | 0 |
| | 19 Sindhuli | 80 | 4 | 5 |
| | 20 Dhanusha | 4 | 0 | 3 |
| | 21 Mahottari | 5 | 1 | 5 |
| | 22 Sarlahi | 8 | 0 | 4 |
| | 23 Rasuwa | 70 | 25 | 3 |
| | 24 Dhading | 94 | 3 | 2 |
| | 25 Nuwakot | 109 | 7 | 5 |
| | 26 Kathmandu | 30 | 2 | 3 |
| | 27 Bhaktapur | 8 | 0 | 2 |
| | 28 Lalitpur | 42 | 2 | 3 |
| | 29 Kavrepalanchowk | 105 | 2 | 4 |
| | 30 Sindhupalchowk | 108 | 14 | 1 |
| | 31 Makwanpur | 50 | 2 | 3 |
| | 32 Rautahat | 8 | 0 | 4 |
| | 33 Bara | 2 | 0 | 5 |
| | 34 Parsa | 8 | 0 | 3 |
| | 35 Chitwan | 47 | 2 | 3 |
| | Total | 1043 | 76 | 63 |

| S.N. | | District | Routine Maintenance | Major Maintenance | New Construction |
|--------------------|--------------------|--------------|---------------------|-------------------|------------------|
| Western Region | 36 | Gorkha | 130 | 10 | 0 |
| | 37 | Manang | 52 | 6 | 5 |
| | 38 | Lamjung | 165 | 5 | 0 |
| | 39 | Kaski | 128 | 3 | 6 |
| | 40 | Tanahun | 88 | 3 | 5 |
| | 41 | Syangja | 85 | 3 | 4 |
| | 42 | Gulmi | 174 | 5 | 5 |
| | 43 | Palpa | 133 | 4 | 5 |
| | 44 | Arghakhanchi | 53 | 2 | 6 |
| | 45 | Nawalparasi | 45 | 2 | 4 |
| | 46 | Rupandehi | 13 | 2 | 2 |
| | 47 | Kapilbastu | 6 | 0 | 2 |
| | 48 | Mustang | 44 | 2 | 4 |
| | 49 | Myagdi | 130 | 7 | 0 |
| | 50 | Baglung | 360 | 5 | 3 |
| | 51 | Parbat | 129 | 2 | 3 |
| | Total | | 1735 | 61 | 54 |
| Mid-Western Region | 52 | Rukum | 93 | 4 | 5 |
| | 53 | Rolpa | 152 | 2 | 8 |
| | 54 | Pyuthan | 109 | 2 | 9 |
| | 55 | Salyan | 37 | 2 | 6 |
| | 56 | Dang | 47 | 2 | 5 |
| | 57 | Dolpa | 45 | 2 | 5 |
| | 58 | Mugu | 45 | 2 | 5 |
| | 59 | Jumla | 36 | 2 | 5 |
| | 60 | Kalikot | 47 | 2 | 8 |
| | 61 | Humla | 54 | 2 | 4 |
| | 62 | Jajarkot | 75 | 4 | 6 |
| | 63 | Dailekh | 85 | 4 | 6 |
| | 64 | Surkhet | 79 | 6 | 5 |
| | 65 | Banke | 8 | 1 | 4 |
| | 66 | Bardiya | 8 | 1 | 2 |
| | Total | | 920 | 38 | 83 |
| | Far Western Region | 67 | Achham | 85 | 4 |
| 68 | | Bajhang | 110 | 5 | 4 |
| 69 | | Kailali | 37 | 2 | 3 |
| 70 | | Bajura | 84 | 5 | 3 |
| 71 | | Doti | 111 | 4 | 6 |
| 72 | | Darchula | 111 | 4 | 7 |
| 73 | | Baitadi | 94 | 4 | 0 |
| 74 | | Dadeldhura | 86 | 3 | 7 |
| 75 | | Kanchanpur | 14 | 2 | 3 |
| Total | | 732 | 33 | 38 | |
| Grand Total | | 5678 | 257 | 329 | |

Trail Bridge Sector-Wide Approach
Annual Plan for FY 2072/073 (2015/016)
DRILP-AF Funded New Construction

| S.N. | | District | Routine Maintenance | Major Maintenance | New Construction |
|------|---|---------------|---------------------|-------------------|------------------|
| ER | 1 | Taplejung | 0 | 0 | 12 |
| | 2 | Okhakhidhunga | 0 | 0 | 10 |
| CR | 3 | Ramechhap | 0 | 0 | 6 |
| WR | 4 | Gorkha | 0 | 0 | 12 |
| | 5 | Lamjung | 0 | 0 | 10 |
| | 6 | Myagdi | 0 | 0 | 11 |
| | 7 | Baglung | 0 | 0 | 10 |
| FWR | 8 | Baitadi | 0 | 0 | 7 |
| | | Total | 0 | 0 | 78 |

Trail Bridge Sector-Wide Approach
Annual Plan for FY 2072/073 (2015/016)
RAP - Funded New Construction

| S.N. | | District | Routine Maintenance | Major Maintenance | New Construction |
|------|---|--------------|---------------------|-------------------|------------------|
| MWR | 1 | Dailekh | 0 | 0 | 0 |
| | 2 | Humla | 0 | 0 | 4 |
| | 3 | Jumla | 0 | 0 | 3 |
| | 4 | Kalikot | 0 | 0 | 6 |
| | 5 | Mugu | 0 | 0 | 2 |
| FWR | 6 | Achham | 0 | 0 | 6 |
| | 7 | Bajura | 0 | 0 | 0 |
| | 8 | Doti | 0 | 0 | 1 |
| | | Total | 0 | 0 | 22 |

| | | | |
|--------------------|----------|----------|------------|
| Grand Total | 0 | 0 | 100 |
|--------------------|----------|----------|------------|

Annex - IV:

Trail Bridge SWAp New Construction Plan for FY 2072/073 (2015/016)

Overview: Trail Bridge SWAp New Bridge Planning for FY 2072/073 (2015/016)
Funding Agency Wise- New Construction

| SN | District | Carry over from FY 2071/72 | New Planning in FY 2072/73 | Community Agreement in FY 2072/73 | 1st Phase of Construction | | Materials Handover | | Total under construction (Active Bridges) | Expected Completion | | Expected Carry over to FY 2073/74 | |
|----------------------------|-------------------------------|----------------------------|----------------------------|-----------------------------------|---------------------------|-----|--------------------|-----|---|------------------------------|------------------------|-----------------------------------|------------|
| | | | | | Carry over | New | Carry over | New | | Carry Over (from FY 2071/72) | New (from FY 2072/073) | Carry Over | New |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10=(3+5) | 11 | 12 | 13=(3-11) | 14=(5-12) |
| 1 | GoN funded district programme | 352 | 367 | 353 | 357 | 194 | 357 | 139 | 705 | 285 | 44 | 66 | 312 |
| 2 | DRILP-AF funded programme | 90 | 22 | 22 | 90 | 22 | 90 | 22 | 112 | 63 | 15 | 36 | 7 |
| 3 | RAP funded programme | 22 | 0 | 0 | 9 | 0 | 9 | 0 | 22 | 22 | 0 | 0 | 0 |
| | Total | 464 | 389 | 375 | 456 | 216 | 456 | 161 | 839 | 357 | 59 | 102 | 319 |
| Expected completion | | | | | | | | | | 429 | | C/O | 421 |

Overview: Trail Bridge SWAp New Bridge Planning for FY 2072/073 (2015/016)
Region wise- New Construction

| SN | District | Carry over from FY 2071/72 | New Planning in FY 2072/73 | Community Agreement in FY 2072/73 | 1st Phase of Construction | | Materials Handover | | Total under construction (Active Bridges) | Expected Completion | | Expected Carry over to FY 2073/74 | |
|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------------|---------------------------|-----|--------------------|-----|---|------------------------------|------------------------|-----------------------------------|------------|
| | | | | | Carry over | New | Carry over | New | | Carry Over (from FY 2071/72) | New (from FY 2072/073) | Carry Over | New |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10=(3+5) | 11 | 12 | 13=(3-11) | 14=(5-12) |
| 1 | Special Focus Unit 1 | 41 | 54 | 53 | 39 | 45 | 39 | 44 | 94 | 37 | 14 | 4 | 39 |
| 2 | Special Focus Unit 2 | 42 | 29 | 29 | 29 | 6 | 29 | 6 | 71 | 42 | 6 | 0 | 23 |
| 3 | Eastern Region | 86 | 85 | 85 | 86 | 85 | 86 | 85 | 171 | 66 | 24 | 20 | 61 |
| 4 | Central Region | 71 | 53 | 44 | 71 | 17 | 71 | 8 | 115 | 40 | 5 | 31 | 39 |
| 5 | Western Region | 96 | 70 | 70 | 96 | 8 | 96 | 8 | 166 | 85 | 8 | 20 | 62 |
| 6 | Mid and Far Western Region | 128 | 98 | 94 | 135 | 55 | 135 | 10 | 222 | 100 | 2 | 27 | 95 |
| | Total | 464 | 389 | 375 | 456 | 216 | 456 | 161 | 839 | 370 | 59 | 102 | 319 |
| Expected completion | | | | | | | | | | 429 | | C/O | 421 |

Trail Bridge Sector-Wide Approach GoN Funded- New Construction for FY 2072/073 (2015/016)

| Regional Office | SN | District | Carryover from FY 2014/015 | New Planning in FY 2015/016 | Community Agreement in FY 2015/016 | 1st of Construction | | Material Handover | | Total under construction (Active Bridges) | Expected Completion | | Expected Carryover to FY2015/016 | |
|-----------------|----|-------------|----------------------------|-----------------------------|------------------------------------|---------------------|-----|-------------------|-----|---|---------------------|-----|----------------------------------|-------------|
| | | | | | | Carry over | New | Carry over | New | | Carry over | New | Carry over | New |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11=(4+6) | 12 | 13 | 14=(4-12) | 15 = (6-13) |
| Eastern Region | 1 | Taplejung | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | Panchthar | 17 | 5 | 5 | 17 | 5 | 17 | 5 | 22 | 7 | 1 | 10 | 4 |
| | 3 | Ilam | 7 | 10 | 10 | 7 | 10 | 7 | 10 | 17 | 7 | 0 | 0 | 10 |
| | 4 | S sava | 11 | 9 | 9 | 11 | 9 | 11 | 9 | 20 | 10 | 0 | 1 | 9 |
| | 5 | Terhathum | 3 | 7 | 7 | 3 | 7 | 3 | 7 | 10 | 3 | 2 | 0 | 5 |
| | 6 | Dhankuta | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 4 | 1 | 1 | 4 |
| | 7 | Bhojpur | 8 | 6 | 6 | 8 | 6 | 8 | 6 | 14 | 8 | 1 | 0 | 5 |
| | 8 | Solukhumbu | 10 | 8 | 8 | 10 | 8 | 10 | 8 | 18 | 6 | 0 | 4 | 8 |
| | 9 | Khotang | 10 | 6 | 6 | 10 | 6 | 10 | 6 | 16 | 6 | 2 | 4 | 4 |
| | 10 | Okhaldhunga | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 11 | Udaypur | 8 | 7 | 7 | 8 | 7 | 8 | 7 | 15 | 8 | 2 | 0 | 5 |
| | 12 | Jhapa | 6 | 3 | 3 | 6 | 3 | 6 | 3 | 9 | 6 | 0 | 0 | 3 |
| | 13 | Morang | 6 | 3 | 3 | 6 | 3 | 6 | 3 | 9 | 6 | 0 | 0 | 3 |
| | 14 | Sunsari | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 9 | 4 | 0 | 0 | 5 |
| | 15 | Saptari | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 7 | 4 | 0 | 0 | 3 |
| | 16 | Siraha | 5 | 3 | 2 | 5 | 2 | 5 | 2 | 7 | 3 | 0 | 2 | 2 |
| Total | | | 104 | 80 | 79 | 104 | 79 | 104 | 79 | 82 | 82 | 9 | 22 | 70 |

| Regional Office | SN | District | Carryover from 2014/015 | New Planning in FY 2015/016 | Community Agreement in FY 2015/016 | 1st of Construction | | Material Handover | | Total under construction (Active Bridges) | Expected Completion | | Expected Carryover to FY2015/016 | |
|-----------------|----|---------------|-------------------------|-----------------------------|------------------------------------|---------------------|-----|-------------------|-----|---|---------------------|-----|----------------------------------|-------------|
| | | | | | | Carry over | New | Carry over | New | | Carry over | New | Carry over | New |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11=(4+6) | 12 | 13 | 14=(4-12) | 15 = (6-13) |
| Central Region | 17 | Dolakha | 7 | 5 | 4 | 7 | 0 | 7 | 0 | 11 | 5 | 0 | 2 | 4 |
| | 18 | Sindhuli | 9 | 5 | 5 | 9 | 0 | 9 | 0 | 14 | 5 | 0 | 4 | 5 |
| | 19 | Sindhupalchok | 1 | 5 | 4 | 1 | 0 | 1 | 0 | 5 | 1 | 0 | 0 | 4 |
| | 20 | Kabhre | 7 | 5 | 5 | 7 | 3 | 7 | 0 | 12 | 4 | 0 | 3 | 5 |
| | 21 | Bhaktapur | 0 | 2 | 2 | 0 | 2 | 0 | 2 | 2 | 0 | 2 | 0 | 0 |
| | 22 | Kathmandu | 1 | 4 | 4 | 1 | 2 | 1 | 2 | 5 | 1 | 2 | 0 | 2 |
| | 23 | Lalitpur | 5 | 3 | 3 | 5 | 2 | 5 | 2 | 8 | 3 | 0 | 2 | 3 |
| | 24 | Rasuwa | 5 | 3 | 3 | 5 | | 5 | 0 | 8 | 3 | 0 | 2 | 3 |
| | 25 | Nuwakot | 7 | 5 | 3 | 7 | 2 | 7 | 0 | 10 | 5 | 0 | 2 | 3 |
| | 26 | Dhading | 1 | 7 | 5 | 1 | 2 | 1 | 2 | 6 | 1 | 1 | 0 | 4 |
| | 27 | Chitawan | 6 | 4 | 3 | 6 | 2 | 6 | 0 | 9 | 3 | 0 | 3 | 3 |
| | 28 | Makawanpur | 3 | 5 | 3 | 3 | 2 | 3 | 0 | 6 | 3 | 0 | 0 | 3 |
| | 29 | Ramechhap | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 | Dhanusha | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 1 | 2 | 1 |
| | 31 | Mahottari | 2 | 6 | 6 | 2 | 6 | 2 | 6 | 8 | 2 | 3 | 0 | 3 |
| | 32 | Sarlahi | 2 | 6 | 6 | 2 | 6 | 2 | 6 | 8 | 2 | 2 | 0 | 4 |
| | 33 | Rautahat | 2 | 5 | 5 | 2 | 5 | 2 | 5 | 7 | 2 | 2 | 0 | 3 |
| | 34 | Bara | 3 | 6 | 6 | 3 | 2 | 3 | 2 | 9 | 3 | 2 | 0 | 4 |
| | 35 | Parsa | 3 | 5 | 5 | 3 | 2 | 3 | 2 | 8 | 3 | 0 | 0 | 5 |
| Total | | | 68 | 83 | 74 | 66 | 40 | 66 | 31 | 142 | 48 | 15 | 20 | 59 |

| Regional Office | SN | District | Carryover from 2014/015 | New Planning in FY 2015/016 | Community Agreement in FY 2015/016 | 1st of Construction | | Material Handover | | Total under construction (Active Bridges) | Expected Completion | | Expected Carryover to FY2015/016 | |
|-----------------|-------|--------------|-------------------------|-----------------------------|------------------------------------|---------------------|-----|-------------------|-----|---|---------------------|-----|----------------------------------|-------------|
| | | | | | | Carry over | New | Carry over | New | | Carry over | New | Carry over | New |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11=(4+6) | 12 | 13 | 14=(4-12) | 15 = (6-13) |
| Western Region | 36 | Gorkha | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 |
| | 37 | Manang | 5 | 5 | 5 | 5 | 0 | 5 | 0 | 10 | 5 | 0 | 0 | 5 |
| | 38 | Lamjung | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 6 |
| | 39 | Kaski | 2 | 7 | 7 | 2 | 4 | 2 | 4 | 9 | 2 | 4 | 0 | 3 |
| | 40 | Tanahun | 3 | 5 | 5 | 3 | 2 | 3 | 2 | 8 | 3 | 2 | 0 | 3 |
| | 41 | Syangja | 4 | 5 | 5 | 4 | 0 | 4 | 0 | 9 | 4 | 0 | 0 | 5 |
| | 42 | Gulmi | 5 | 5 | 5 | 5 | 0 | 5 | 0 | 10 | 5 | 0 | 0 | 5 |
| | 43 | Palpa | 5 | 5 | 5 | 5 | 0 | 5 | 0 | 10 | 5 | 0 | 0 | 5 |
| | 44 | Arghakhanchi | 8 | 4 | 4 | 8 | 0 | 8 | 0 | 12 | 6 | 0 | 2 | 4 |
| | 45 | Nawalparasi | 4 | 5 | 5 | 4 | 0 | 4 | 0 | 9 | 4 | 0 | 0 | 5 |
| | 46 | Rupandehi | 0 | 3 | 3 | 0 | 2 | 0 | 2 | 3 | 0 | 2 | 0 | 1 |
| | 47 | Kapilbastu | 0 | 4 | 4 | 0 | 4 | 0 | 3 | 4 | 0 | 2 | 0 | 2 |
| | 48 | Mustang | 2 | 7 | 7 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 0 | 5 |
| | 49 | Myagdi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 50 | Baglung | 3 | 6 | 6 | 3 | 0 | 3 | 0 | 9 | 3 | 0 | 0 | 6 |
| | 51 | Parbat | 3 | 5 | 5 | 3 | 0 | 3 | 0 | 8 | 3 | 0 | 0 | 5 |
| | Total | | 44 | 77 | 77 | 44 | 14 | 44 | 13 | 121 | 42 | 12 | 2 | 65 |

| Regional Office | SN | District | Carryover from 2014/015 | New Planning in FY 2015/016 | Community Agreement in FY 2015/016 | 1st of Construction | | Material Handover | | Total under construction (Active Bridges) | Expected Completion | | Expected Carryover to FY2015/016 | |
|--------------------|-------|----------|-------------------------|-----------------------------|------------------------------------|---------------------|-----|-------------------|-----|---|---------------------|-----|----------------------------------|-------------|
| | | | | | | Carry over | New | Carry over | New | | Carry over | New | Carry over | New |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11=(4+6) | 12 | 13 | 14=(4-12) | 15 = (6-13) |
| Mid Western Region | 52 | Rukum | 5 | 8 | 8 | 5 | 4 | 5 | 0 | 13 | 5 | 0 | 0 | 8 |
| | 53 | Rolpa | 10 | 7 | 7 | 10 | 4 | 10 | 0 | 17 | 8 | 0 | 2 | 7 |
| | 54 | Pyuthan | 11 | 6 | 6 | 11 | 3 | 11 | 0 | 17 | 9 | 0 | 2 | 6 |
| | 55 | Salyan | 7 | 5 | 5 | 7 | 5 | 7 | 0 | 12 | 6 | 0 | 1 | 5 |
| | 56 | Dang | 8 | 5 | 5 | 8 | 5 | 8 | 0 | 13 | 5 | 0 | 3 | 5 |
| | 57 | Dolpa | 4 | 4 | 4 | 4 | 1 | 4 | 1 | 8 | 4 | 1 | 0 | 3 |
| | 58 | Mugu | 5 | 4 | 4 | 5 | 0 | 5 | 0 | 9 | 5 | 0 | 0 | 4 |
| | 59 | Jumla | 4 | 6 | 6 | 4 | 1 | 4 | 1 | 10 | 4 | 1 | 0 | 5 |
| | 60 | Kalikot | 6 | 6 | 6 | 6 | 2 | 6 | 2 | 12 | 6 | 2 | 0 | 4 |
| | 61 | Humla | 4 | 5 | 5 | 4 | 0 | 4 | 0 | 9 | 4 | 0 | 0 | 5 |
| | 62 | Jajarkot | 9 | 7 | 7 | 12 | 4 | 12 | 0 | 16 | 6 | 0 | 3 | 7 |
| | 63 | Dailekh | 6 | 8 | 8 | 6 | 4 | 6 | 0 | 14 | 6 | 0 | 0 | 8 |
| | 64 | Surkhet | 8 | 5 | 5 | 8 | 5 | 8 | 0 | 13 | 5 | 0 | 0 | 5 |
| | 65 | Banke | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 0 | 0 |
| | 66 | Bardiya | 2 | 2 | 2 | 2 | 0 | 2 | 0 | 4 | 2 | 0 | 0 | 2 |
| | Total | | 91 | 80 | 80 | 94 | 40 | 94 | 6 | 171 | 77 | 6 | 11 | 74 |

| Regional Office | SN | District | Carryover from 2014/015 | New Planning in FY 2015/016 | Community Agreement in FY 2015/016 | 1st of Construction | | Material Handover | | Total under construction (Active Bridges) | Expected Completion | | Expected Carryover to FY2015/016 | |
|--------------------|-------|------------|-------------------------|-----------------------------|------------------------------------|---------------------|-----|-------------------|-----|---|---------------------|-----|----------------------------------|-------------|
| | | | | | | Carry over | New | Carry over | New | | Carry over | New | Carry over | New |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11=(4+6) | 12 | 13 | 14=(4-12) | 15 = (6-13) |
| Far Western Region | 67 | Achham | 5 | 5 | 5 | 5 | 0 | 5 | 0 | 10 | 5 | 0 | 0 | 8 |
| | 68 | Bajhang | 6 | 5 | 5 | 6 | 0 | 6 | 0 | 11 | 4 | 0 | 2 | 5 |
| | 69 | Kailali | 5 | 4 | 4 | 5 | 0 | 5 | 0 | 9 | 3 | 0 | 2 | 4 |
| | 70 | Bajura | 1 | 5 | 5 | 1 | 5 | 1 | 5 | 6 | 1 | 2 | 0 | 3 |
| | 71 | Doti | 7 | 5 | 5 | 7 | 0 | 7 | 0 | 12 | 6 | 0 | 3 | 5 |
| | 72 | Darchula | 11 | 5 | 5 | 11 | 11 | 11 | 0 | 16 | 7 | 0 | 4 | 5 |
| | 73 | Baitadi | 0 | 5 | 5 | 0 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 |
| | 74 | Dadeldhura | 7 | 10 | 7 | 10 | 0 | 10 | 0 | 14 | 7 | 0 | 0 | 7 |
| | 75 | Kanchanpur | 3 | 3 | 2 | 4 | 0 | 4 | 0 | 5 | 3 | 0 | 0 | 2 |
| | Total | | 45 | 47 | 43 | 49 | 21 | 49 | 10 | 88 | 36 | 2 | 11 | 44 |

| | | | | | | | | | | | | | | |
|-------------|--|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|
| Grand Total | | | 352 | 367 | 353 | 357 | 194 | 357 | 139 | 705 | 285 | 44 | 66 | 312 |
|-------------|--|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|

Trail Bridge Sector-Wide Approach

DRILP-AF Funded Programme- New Construction Planning for FY 2072/073 (2015/016)

| Other AP Funded Program New Construction Planning for FY 2072/73 (2070/71) | | | | | | | | | | | | | | |
|--|-----------|-------------|-------------------------------------|-------------------------------------|--|------------------------------|-----|-----------------------|-----|--|------------------------|-----|---|---------------|
| Region | S N | District | Carry over from FY 2071/72 | New Planning in FY 2072/73 | Community Agreement in FY 2072/73 | 1st Phase of Construction | | Materials Handover | | Total under construction (Active Bridges) | Expected Completion | | Expected Carry over to FY 2073/74 | |
| | | | | | | Carry over | New | Carry over | New | | Carry Over | New | Carry Over | New |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11=(4+6) | 12 | 13 | 14=(4- 12) | 15=(6- 13) |
| Eastern | 1 | Taplejung | 5 | 14 | 14 | 5 | 14 | 5 | 14 | 19 | 5 | 7 | 0 | 7 |
| | 2 | Okhaldhunga | 2 | 8 | 8 | 2 | 8 | 2 | 8 | 10 | 2 | 8 | 0 | 0 |
| | Sub-Total | | 7 | 22 | 22 | 7 | 22 | 7 | 22 | 29 | 7 | 15 | 0 | 7 |
| Central | 3 | Ramechhap | 19 | 0 | 0 | 19 | 0 | 19 | 0 | 19 | 6 | 0 | 13 | 0 |
| | Sub-Total | | 19 | 0 | 0 | 19 | 0 | 19 | 0 | 19 | 6 | 0 | 13 | 0 |
| Western | 4 | Gorkha | 12 | 0 | 0 | 12 | 0 | 12 | 0 | 12 | 12 | 0 | 0 | 0 |
| | 5 | Lamjung | 10 | 0 | 0 | 10 | 0 | 10 | 0 | 10 | 10 | 0 | 6 | 0 |
| | 6 | Myagdi | 17 | 0 | 0 | 17 | 0 | 17 | 0 | 17 | 11 | 0 | 3 | 0 |
| | 7 | Baglung | 13 | 0 | 0 | 13 | 0 | 13 | 0 | 13 | 10 | 0 | 9 | 0 |
| | Sub-Total | | 52 | 0 | 0 | 52 | 0 | 52 | 0 | 52 | 43 | 0 | 18 | 0 |
| Far-Western | 8 | Baitadi | 12 | 0 | 0 | 12 | 0 | 12 | 0 | 12 | 7 | 0 | 5 | 0 |
| | Sub-Total | | 12 | 0 | 0 | 12 | 0 | 12 | 0 | 12 | 7 | 0 | 5 | 0 |
| Total | | | 90 | 22 | 22 | 90 | 22 | 90 | 22 | 112 | 63 | 15 | 36 | 7 |
| | | | | | | | | Expected Completion | | | 78 | | C/O | 43 |

Trail Bridge Sector Wide Approach

RAP-3 Funded Programme - New Construction Planning for FY 2072/073 (2015/016)

| Rate of Funded Programmes New Construction Planning for FY 2071/72 to FY 2076/77 (2010/11) | | | | | | | | | | | | | | |
|--|-----------|----------|----------------------------|----------------------------|-----------------------------------|---------------------------|-----|--------------------|-----|---|---------------------|-----|-----------------------------------|-----------|
| Region | SN | District | Carry over from FY 2071/72 | New Planning in FY 2072/73 | Community Agreement in FY 2072/73 | 1st Phase of Construction | | Materials Handover | | Total under construction (Active Bridges) | Expected Completion | | Expected Carry over to FY 2073/74 | |
| | | | | | | Carry over | New | Carry over | New | | Carry Over | New | Carry Over | New |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11=(4+6) | 12 | 13 | 14=(4-12) | 15=(6-13) |
| Mid & Far-Western | 1 | Dailekh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | Achham | 6 | 0 | 0 | 6 | 0 | 6 | 0 | 6 | 6 | 0 | 0 | 0 |
| | 3 | Bajura | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | Doti | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| | Sub-Total | | 7 | 0 | 0 | 7 | 0 | 7 | 0 | 7 | 7 | 0 | 0 | 0 |
| Special Focus Unit 2 | 5 | Humla | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 |
| | 6 | Jumla | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 |
| | 7 | Kalikot | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 |
| | 8 | Mugu | 2 | 0 | 0 | 2 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 |
| | Sub-Total | | 15 | 0 | 0 | 2 | 0 | 2 | 0 | 15 | 15 | 0 | 0 | 0 |
| Total | | | 22 | 0 | 0 | 9 | 0 | 9 | 0 | 22 | 22 | 0 | 0 | 0 |
| Grand Total | | | 464 | 389 | 375 | 456 | 216 | 456 | 161 | 839 | 370 | 59 | 102 | 319 |

Suspension Bridge Planning for FY 2072/073 (2015/016)

| SN | District | SBD TBs |
|--|----------------------|--|
| Carry Over Bridges from FY 2071/072 | | |
| 1 | Nuwakot | TadiKhola Chaugha (Suryamati bridge) |
| 2 | Shankhuwasava | Kuduleghat bridge |
| 3 | Udaypur/Khotang | Kampughat bridge |
| 4 | Sindhupalchowk | Indrawati bridge |
| 5 | Rautahat | Bagmati river (Nunthar bridge) |
| 6 | Manang | Nachair Tangmra bridge |
| 7 | Kalikot | Chiurikuna bridge |
| 8 | Kalikot | Ghitakot bridge |
| 9 | Rolpa | Thawangkhola bridge |
| 10 | Nawalparasi/Chitwan | Balmiki Ashram (Trivenidham multi span bridge) |
| 11 | Gorkha | Ghadedi khola bridge |
| 12 | Kaski | Dhadbesi Arbakalika (Bijaypur Khola bridge) |
| 13 | Darchula | Jaljivi bridge |
| 14 | Bajura | Falasen bridge |
| 15 | Taplegunj | Imakhola bridge |
| 16 | Bhojpur | Myadyung bridge |
| 17 | Rukum | Naya gad bridge |
| 18 | Palpa/Syangja | Ramghat bridge |
| 19 | Palpa/Syangja | Bartaghat bridge |
| 20 | Salyan | Hattidomar bridge |
| 21 | Sindhuli/Okhaldhunga | Jalkini bridge |
| 22 | Rukum | Jaharikhola bridge |
| 23 | Nawalparasi | Gogdi bridge |
| 24 | Jajarkot | Chedachaur bridge |
| 25 | Ramechhap/Sindhuli | Nawughat bridge |
| 26 | Bajhang | Khochadewal bridge |
| 27 | Dang | Rapti river(rajapur Satbariya bridge) |
| 28 | Pyuthan | Dhairebagar bridge |
| 29 | Banke | Kusum bridge |
| 30 | Parbat/Myagdi | Dhairing bridge |
| 31 | Darchula | Chamelia bridge |
| 32 | Khotang | Kaule(Dhikhuwa bridge) |
| 33 | Nawalparasi/Tanahu | Atraulitar Rumjakot bridge |
| 34 | Ilam | Maie Khola Bridge |
| 35 | Dhankuta/Bhojpur | Hasanpur Chintang bridge,Dhankuta/Bhojpur |
| 36 | Dhankuta/Bhojpur | Bhangaletar Bridge |
| 37 | Khotang | Bashilaghat Bridge |
| 38 | | Simalthan Archale (Ranjor bridge) |
| 39 | Khotang | Kurleghat bridge |
| 40 | Tanahu | Bhirkot bridge |
| 41 | Nawalparasi | Hattikhori Sankhadev bridge |
| 42 | Syangja | Adheri Bridge |

| | | |
|----|--------------------|----------------------------|
| 43 | Gorkha/Chitwan | Ambote-Khataite bridge |
| 44 | Kaski | Fakaltara Damsadi bridge |
| 45 | Parbat | Mudikuwa Siwalaya bridge |
| 46 | Mustang | Dhey Khola bridge, bridge |
| 47 | Pyuthan | Saribang bridge |
| 48 | Surkhet | Agrigau bridge |
| 49 | Dailekh | Kaule pani bridge |
| 50 | Surkhet | Chote chiple bridge |
| 51 | Kanchanpur | Aamghat bridge |
| 52 | Kanchanpur | Jogbudha bridge. |
| 53 | Rukum | Muglikhola bridge |
| 54 | Pyuthan | Raskot bridge |
| 55 | Rupandehi | Tapmajhuwa bridge |
| 56 | Achham | Bhanakot- Kalekanda bridge |
| 57 | Lalitpur/Makwanpur | Kerabari bridge |
| 58 | Kaski | Siyali bridge |
| 59 | Bajhang | Moyal Paudi bridge |
| 60 | Nuwakot | Sindure bridge |
| 61 | Solukhumbu | Dukding Sano gumdel |
| 62 | Rukum | Bhanebagar bridge |
| 63 | Jhapa | Maheshpur bridge |
| 64 | Nawalparasi | Susta Malti span bridge |
| 65 | Chitwan/Gorkha | Hiklung ghat bridge |
| 66 | Surkhet | Taranga bridge |

| SN | District | SBD TBs |
|--|--------------------|---------------------------|
| New Construction to be taken in FY 2072/073 | | |
| 1 | Shankhuwasava | Birsuwa dovan bridge |
| 2 | Makwanpur/Lalitpur | Ashrang Manthali bridge |
| 3 | Syangja/Gulmi | Kali Gandaki bridge |
| 4 | Kaski | Mauribesi bridge |
| 5 | Baglung | Nisi Khola bridge |
| 6 | Dhading | Belkhu Bhutiya Bridge |
| 7 | Syangja/Palpa | Chipe Ghat bridge |
| 8 | Mustang | |
| 9 | Gorkha | Pang Singh Bridge |
| 10 | Surkhet | Bhotechaur Simghat Bridge |
| 11 | Udaypur | Gireri Khola Bridge |
| 12 | Makwanpur | Sugure Bridge |
| 13 | Kaski | Tallo purnitar bridge |
| 14 | Taplegunj | Lamiduwali bridge |
| 15 | Ramechhap/Sindhuli | Murkibesi bridge |
| 16 | Panchthar | Ritthabote bridge |
| 17 | Ilam | Chaju khola bridge |
| 18 | Morang/Jhapa | Satmerighat bridge |

| | | |
|----|---------------------|---------------------------|
| 19 | Khotang | Rawakhola(Kharpa) bridge |
| 20 | Dhading | Andheri(Budhathum) bridge |
| 21 | Baglung | Simalchaur ghat bridge |
| 22 | Kalikot/Jumla | Banchughat simela bridge |
| 23 | Dang | Baibang Bangi bridge |
| 24 | Salyan | Sarda river |
| 25 | Jajarkot/Salyan | Ali Bame bridge |
| 26 | Nuwakot | Tadikhola bridge |
| 27 | Gulmi | badigad bridge |
| 28 | Sindhuli | Kamalamai bridge |
| 29 | Bardiya | Kusumbaghat bridge |
| 30 | Surkhet | Jamughat bridge |
| 31 | Surkhet | Kumalghat bridge |
| 32 | Arghakhanchi | Nipane Khola bridge |
| 33 | Arghakhanchi | Sitkhola Jukena Bridge |
| 34 | Okhaldhunga/Khotang | Dudhkoshi bridge |
| 35 | Darchula | Tigram bridge |
| 36 | Dhanusha/Mahottari | Tulsi Rajabas bridge |
| 37 | Dang/Bardiya | Rautara bridge |
| 38 | Kathmandu/Lalitpur | Khokhana Taudaha bridge |
| 39 | Dhanusha/Siraha | Kamala bridge |
| 40 | Tanahu | Chipchipe Baidi Bridge |
| 41 | Sindupalchowk | Bhotekoshi river bridge |
| 42 | Makwanpur | Juina Adheri bridge |

KAAA Funded Trail Bridges Planning for FY 2072/073

| Dev Region | SN | Trail Bridges | Ward No | VDC | District | Span (m) | Beneficiary Population |
|-------------|----|---|---------|---------------------|---------------|----------|------------------------|
| Western | 1 | Seula Khola (Taman Dovan) Suspended Bridge, Span 63.00m | 4/2 | Bongadovan | Baglung | 63.00 | 3,000 |
| | 2 | Seula Khola (Bikosh) Suspended Bridge, Span 72.00m | 3 | Bongadovan | Baglung | 72.00 | 3,000 |
| | 3 | Myagdi Khola (Ghimlati) Suspended Bridge, Span 70.00m | 6/3 | Mudi | Myagdi | 70.00 | 5,000 |
| | 4 | Dara Khola Suspended Bridge, Span 58.00m | 7/2 | Muna | Myagdi | 58.00 | 5,000 |
| | 5 | Siding Khola Suspended Bridge, Span 110.00m | 9 | Lwang Ghalel | Kaski | 110.00 | 1,500 |
| | 6 | Dudhpokhari Khola Steel Truss Bridge, Span 20.00m | 1 | Sirdibas | Gorkha | 20.00 | 2,000 |
| Central | 1 | Kali Khola (Amalatar) Suspended Bridge, Span 60.00m | 3/2 | Gogane/Danda Kharka | Makwanpur | 60.00 | 2,000 |
| | 2 | Gorangdi Khola Suspended Bridge, Span 60.00m | 4/2 | Bharta/Raksirang | Makwanpur | 60.00 | 3,000 |
| Mid-Western | 1 | Phoksundo Khola (Rigmo) Suspended Bridge, Span 86.00m | 1/3 | Phoksundo | Dolpa | 86.00 | 3,000 |
| | 2 | Balle Khola (Kauchhe Dovan) SD Bridge, Span 63.00m | 8 | Phopli | Pyuthan | 63.00 | 5,000 |
| | 3 | Simje Khola Suspended Bridge, Span 42.00m | 8/6 | Ghartigaun | Rolpa | 452.00 | 2,000 |
| Eastern | 1 | Laiku Khola Suspended Bridge, Span 94.00m | 8/1 | Dhitung/Rajapani | Khotang | 94.00 | 3,000 |
| | 2 | Molung Khola Suspended Bridge, Span 49.00m | 2/8 | Patle/Shreechaur | Okhaldhunga | 49.00 | 5,000 |
| | 3 | Arun Khola Suspended Bridge, Span 92.00m | 7/8 | Num/Makalu | Sankhuwasabha | 92.00 | 2,000 |
| | 4 | Sakhuwa Khola Suspended Bridge, Span 55.00m | 9 | Diding | Sankhuwasabha | 55.00 | 2,000 |
| | 5 | Sakhuwa Khola (Dovane) Suspended Bridge, Span 30.00m | 9 | Diding | Sankhuwasabha | 30.00 | 2,000 |
| | 6 | Chepuk (Ghatte) Suspended Bridge, Span 40.00m | 1/2 | Chepuwa | Sankhuwasabha | 40.00 | 5,000 |
| | 7 | Dudhkoshi Khola Suspended Bridge, Span 123.00m | 6 | Chaurikharka | Solukhumbu | 123.00 | 3,000 |
| | 8 | Sirijange Khola Suspended Bridge, Span 36.00m | 9/8 | Tiringe | Taplejung | 36.00 | 2,000 |

Annex - V:

Trail Bridge SWAp Status of Rehabilitation / Major Maintenance for FY 2072/073 (2015/016)

List and Progress of C/O Rehabilitation/ Major Maintenance (Steel parts funded by SDC)

Status: 31st July 2015

| SN | District | SN | Bridge Name | Progress status | | | |
|----|----------------|----|----------------------------|--------------------------|--------------------------|----------------------------------|------------------|
| | | | | Completed in FY 2012/013 | Completed in FY 2013/014 | Completed in FY 2014/015 | Work progress |
| 1 | Taplejung | 1 | Limbuni pool (SBD) | | | Completed | |
| 2 | | 2 | Hellok khola | Completed | | | |
| 3 | | 3 | Tawa kabeli | Completed | | | |
| 4 | | 4 | Takmaya dovan | Completed | | | |
| 5 | | 5 | Mewakhola | | | Completed | |
| 6 | Panchthar | 1 | Hewa Khola | Completed | | | |
| 7 | Ilam | 1 | Deumai pool | | | Completed | |
| 8 | | 2 | Triveni ghat | Completed | | | |
| 9 | Morang | 1 | Kadam khola | | Completed | | |
| 10 | | 2 | Bakraha Khola | | Completed | | |
| 11 | | 3 | Chumari | | Completed | | |
| 12 | | 4 | Campa Ghat | | Completed | | |
| 13 | Sankhuwasava | 1 | Leksuwa khola | Completed | | | |
| 14 | | 2 | Rato pool | | Completed | | |
| 15 | | 3 | Maguwa | Completed | | | |
| 16 | | 4 | Savakhola | Completed | | | |
| 17 | | 5 | Newatar | Completed | | | |
| 18 | | 6 | Sang khola | Completed | | | |
| 19 | Bhojpur | 1 | Kattikeghat (SBD) | | | Completed | |
| 20 | | 2 | Leguwa ghat (SBD) | | | Completed | |
| 21 | | 3 | Tipchaur | Completed | | | |
| 22 | | 4 | Yangtang | | Completed | | |
| 23 | | 5 | Ghatte | Completed | | | |
| 24 | Udayapur | 1 | Rasuwa Dovan (SBD) | | | Completed | |
| 25 | Okhaldhunga | 1 | Nawalpur Ghat | | Completed | | |
| 26 | | 2 | Rabuwa | | Completed | | |
| 27 | | 3 | Jayram Ghat | | | | Work in progress |
| 28 | Khotang | 1 | Buwajor ghat (Chamere Pul) | | | Tender awarded but Not Completed | |
| 29 | | 2 | Rai Ghat | | | Tender awarded but Not Completed | |
| 30 | | 3 | Ghopata | | | Tender awarded but Not Completed | |
| 31 | | 4 | Tawa Khola | | | No Tender awarded | |
| 32 | Ramechhap | 1 | Manthali Ghat | | Completed | | |
| 33 | | 2 | Shivalay | Completed | | | |
| 34 | Dolakha | 1 | Swamibot | Completed | | | |
| 35 | Sindhupalchowk | 1 | Budepa | Completed | | | |
| 36 | | 2 | Barbote (Mudhe) | | completed | | |
| 37 | | 3 | Phalame Sangu | | Completed | | |
| 38 | | 4 | Balephi Khola | | completed | | |
| 39 | Kavreplanchowk | 1 | Pachuwar Ghat | Completed | | | |

| | | | | | | | |
|----|-------------|---|-------------------------|-----------|-----------|-----------|--|
| 40 | | 2 | Roshi Dovan (Nepalthok) | | Completed | | |
| 41 | | 3 | Chehre | | | Completed | |
| 42 | Rasuwa | 1 | Chhepar Khola | | Completed | | |
| 43 | | 2 | Syaphrubesi I | | | Completed | |
| 44 | Dhading | 1 | Baluwatar | | | | Under progress, will be completed in this FY |
| 45 | | 2 | Borang | | | | Cancelled due to NC by RADC |
| 46 | | 3 | Dundure | | Completed | | |
| 47 | | 4 | Gajuri tar | | Completed | | |
| 48 | | 5 | Parewa Ghat (SBD) | | Completed | | |
| 49 | | 6 | Salang Ghat (SBD) | | Completed | | |
| 50 | Makawanpur | 1 | Churibas (Sisneri) | | Completed | | |
| 51 | | 2 | Kalikatar (SBD) | | Completed | | |
| 52 | | 3 | Rapti Nadi (SBD) | | Completed | | |
| 53 | Gorkha | 1 | Abu Khairani (SBD) | | Completed | | |
| 54 | | 2 | Tatopani | | Completed | | |
| 55 | | 3 | Thado Bharyang | | Completed | | |
| 56 | | 4 | Kurin Ghat (SBD) | | Completed | | |
| 57 | | 5 | Dhawadi Ghat | Completed | | | |
| 58 | Tanahun | 1 | Bishghare (Seti Madi) | | Completed | | |
| 59 | | 2 | Kalikatar | | Completed | | |
| 60 | | 3 | Satrasaya | | Completed | | |
| 61 | Syangja | 1 | Hungi ghat | | Completed | | |
| 62 | | 2 | Walling (SBD) | | completed | | |
| 63 | | 3 | Teunas | | completed | | |
| 64 | Kaski | 1 | Bhalam | | | completed | |
| 65 | | 2 | Musituda | | | completed | |
| 66 | | 3 | Idu Khola | | | | Under progress |
| 67 | | 4 | Tagimadi Ghat | | | | Under progress |
| 68 | Mustang | 1 | Ghasa | Completed | | | |
| 69 | | 2 | Jomsom | Completed | | | |
| 70 | Maygdi | 1 | Benibazar | Completed | | | |
| 71 | | 2 | Tatopani | Completed | | | |
| 72 | Baglung | 1 | Hatiya | | completed | | |
| 73 | | 2 | Kharbang | | completed | | |
| 74 | | 3 | Shusma Ghat | | | | Under progress |
| 75 | Gulmi | 1 | Chhaldi | | completed | | |
| 76 | Palpa | 1 | Dovan khola | | | Completed | |
| 77 | Nawalparasi | 1 | Bugdi | | | Completed | |
| 78 | | 2 | Kharsang | | | Completed | |
| 79 | Rupandehi | 1 | Butwal-I (SBD) | | | Completed | |
| 80 | Kapilbastu | 1 | Banganga | | Completed | | |
| 81 | Argakhanchi | 1 | Chutrabesi | | completed | | |
| 82 | Pyuthan | 1 | Dharmabati | | | | Under progress |
| 83 | Rolpa | 1 | Salleri (Bajabang) | | completed | | |
| 84 | | 2 | Liwange Aap | | completed | | |
| 85 | | 3 | Dhangsi khola | | completed | | |
| 86 | | 4 | Hungry Khola | | completed | | |
| 87 | | 5 | Chhary khola | | Completed | | |
| 88 | | 6 | Uwa khola | | completed | | |
| 89 | Rukum | 1 | Karba Gad | Completed | | | |
| 90 | | 2 | Simli Ghat | Completed | | | |
| 91 | Salyan | 1 | Dharkhani | | Completed | | |
| 92 | | 2 | Sunchaur | | | | Cancelled. New bridge planned |

| | | | | | | | (DPR completed) |
|-----|------------|---|--------------------------|-----------|-----------|-----------|---------------------------|
| 93 | | 3 | Nayaghat | | completed | | |
| 94 | | 4 | Nathe Pipal | | completed | | |
| 95 | | 5 | Dordhunga | | completed | | |
| 96 | Dang | 1 | Kathkuiya | | Completed | | |
| 97 | | 2 | Katuwa khola | | Completed | | |
| 98 | | 3 | Bishalpur | Completed | | | |
| 99 | | 4 | Babai Nadi | | Completed | | |
| 100 | | 5 | Gothali Ghat | Completed | | | |
| 101 | | 6 | Sikta | Completed | | | |
| 102 | Banke | 1 | Bagauda | Completed | | | |
| 103 | Bardiya | 1 | Orahi Nala | Completed | | | |
| 104 | Surkhet | 1 | Ram Ghat | Completed | | | |
| 105 | | 2 | Rani Ghat | Completed | | | |
| 106 | | 3 | Jammu Ghat | Completed | | | |
| 107 | Dailekh | 1 | Khatada | | | Completed | |
| 108 | Jajarkot | 1 | Aulgurta | | Completed | | |
| 109 | | 2 | Bairi tal | | completed | | |
| 110 | | 3 | Chaukha Khola | | completed | | |
| 111 | Kalikot | 1 | Phu Gad | | Completed | | |
| 112 | Mugu | 1 | Masadana | | Completed | | |
| 113 | Bajura | 1 | Partola | | Completed | | |
| 114 | | 2 | Bauli gad | Completed | | | |
| 115 | | 3 | Piluchaur | Completed | | | |
| 116 | | 4 | Bhujan gad | | Completed | | |
| 117 | Bajhang | 1 | Simarbagar | Completed | | | |
| 118 | | 2 | Sadil thalara | Completed | | | |
| 119 | | 3 | Batulsera | Completed | | | |
| 120 | | 4 | Malumela | Completed | | | |
| 121 | | 5 | Bauli gad | Completed | | | |
| 122 | Achham | 1 | Jigadi Gad | Completed | | | |
| 123 | | 2 | Rakam Ghat | Completed | | | |
| 124 | | 3 | Talla Gad | | | Completed | |
| 125 | | 4 | Hallesi | | Completed | | |
| 126 | | 5 | Budhiganga (Sanfe Bagar) | | Completed | | |
| 127 | Doti | 1 | Kot Bhairab | Completed | | | |
| 128 | | 2 | Shilangi Bag | | | Completed | |
| 129 | Kailali | 1 | Machheli khola | Completed | completed | | |
| 130 | Kanchanpur | 1 | Babathan | | | Completed | |
| 131 | | 2 | Bhumiraj | | | Completed | |
| 132 | Dadeldhura | 1 | Dogad | Completed | | | |
| 133 | | 2 | Jharda | Completed | | | |
| 134 | | 3 | Khulla Khet | Completed | | | |
| 135 | | 4 | Puntura Ghat | | Completed | | |
| 136 | Baitadi | 1 | Gosai | Completed | | | |
| 137 | | 2 | Radil | | | Completed | |
| 138 | | 3 | Nilgad Truss | Completed | | | |
| 139 | | 4 | Dhik Gad Truss | | | Completed | |
| 140 | Darchula | 1 | Gokuleshwor | | | | Being initiated next year |

| | |
|-------------------------|------------|
| Total | 140 |
| Completed | 128 |
| Work-in-progress | 10 |
| Cancelled | 2 |

Annex - VI:

List of Flood Damaged Bridges in 2070/071 for Reconstruction & Rehabilitation (Dang and Surkhet)

| S.N. | Bridge Name | Span (m) | Type | River Name | Constructed By | Year of Completion | Damaged caused by floods | Recommended action | Progress |
|----------------|-------------------------------|----------|------|-------------|----------------|--------------------|--|--|--|
| Surkhet | | | | | | | | | |
| 1 | Ranighat Suspended Bridge | 119 | SD | Bheri Nadi | SDC/DDC | 2007/2008 | Bridge totally swept out | New bridge to be constructed | Rehabilitation/ Reconstruction expected to be completed by 2015/2016 |
| 2 | Ranighat Suspension Bridge | 127 | SN | Bheri Nadi | SBD | 1977/78 | Bridge totally swept out | New bridge to be constructed | Motorable bridge under construction nearby |
| 3 | Jamughat Suspension Bridge | 175 | SN | Bheri Nadi | SBD | 1984/85 | Bridge totally swept out | New bridge to be constructed | Bridge undertaken by SBD |
| 4 | Ghatgaun Suspension Bridge | 271 | SN | Bheri Nadi | GoN/SBD | 2010/11 | Bridge totally swept out | New bridge to be constructed | Rehabilitation/ Reconstruction expected to be completed by 2015/2016 |
| 5 | Jade Suspension Bridge | 144 | SN | Bheri Nadi | LTBP/DDC | 1995/96 | Flood hitting the R/B- | Major maintenance to be done this year | MM completed by July 15 |
| 6 | Lamiraha Truss | 32 | ST | Goche Khola | SDC/DDC | 2012/2013 | Flood hitting the R/B- | Bank protection of right bank required immediately. | MM completed by July 15 |
| 7 | Baratal/ Taranga | 185 | SD | Bheri Nadi | DDC | 2001/2002 | RIGHT bank tower block totally swept away to another bank. | New bridge to be constructed | Rehabilitation/ Reconstruction expected to be completed by 2015/2016 |
| 8 | Sangha ghat Suspension Bridge | 242 | SN | Bheri Nadi | DDC | 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 by December 2015 |
| 9 | Kol khola | 74.2 | SD | Kol khola | SDC/DDC | 2004/05 | Totally damaged | Needs new bridge construction. | Bridge undertaken by SBD |
| 10 | Sot Khola | 60.6 | SD | Sot khola | SDC/DDC | 2001/02 | Totally damaged | Needs new bridge construction | Bridge undertaken by SBD |
| 11 | Sangu Truss | 32 | ST | Goche khola | SDC/DDC | 2012/013 | Scouring of right bank | Needs bank protection. | MM completed by July 15 |
| 12 | Sot Khola | 93 | SN | Sot khola | SDC/DDC | 2007/08 | Scouring of left and right bank | Needs bank protection. | MM completed by July 15 |
| Dang | | | | | | | | | |
| 1 | Gothali Ghat | 115 | SN | Babai | TB-SWAp | 2011/012 | Right bank tower foundation and steel tower has been collapsed. Left bank steel tower is damaged. Can not be rehabilitated. Needs to replace by new bridge. | Needs new construction. Some steel parts from collapsed bridge may be used. | Contract awarded by SBD |

| | | | | | | | | | |
|-----------------------|------------------------|-------|----|---------------|----------|----------|---|--|--|
| 2 | Goltakuri Ghat | 167 | SN | Babai | SBD | 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. | MM completed by 2015/2016 |
| 3 | Sitka Ghat | 201 | SN | Rapti | SBD | 2003/04 | Windguy foundation of U/S at L/B has been washed away. Damaged W/G System and heavily tilted walkway. | Needs to: re-construct the collapsed W/G block, re-hoisting of W/G system and re-erection of walkway. | MM completed by 2015/2016 |
| 4 | Bilashpur | 201 | SN | Babai | SBD | 1993/094 | Main Anchorage Foundation at R/B is in vulnerable condition. | Needs protection works at MAB of R/B. | MM completed by July 15 |
| 5 | Rui Khola Truss Bridge | 32 | ST | Rui | TB-SWAp | 2009/10 | River under cutting at L/B. | Needs river bank protection work at L/B. | MM completed by July 15 |
| Banke | | | | | | | | | |
| 1 | Buchapur Ghat | 114.0 | SN | Jhijari Khola | TB-SWAp | 2013/014 | Ramp has been collapsed. Deep underscore around Tower foundation of left bank. | Needs: reconstruction of Ramp but with vent pipes, treatment and protection of underscored part of tower foundation. | MM completed by December 2016 |
| 2 | Duduwa/ Chatar Bandh | 100.0 | SD | Duduwa | SBD | 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 2015/2016 |
| Bhojpur | | | | | | | | | |
| 1 | Yoga Maya Shaktipit | | | | | | Wind guy block and main anchorage block damaged | Needs new bridge construction. | Information to be taken by SBD |
| Bardiya | | | | | | | | | |
| 1 | Akshria | 75.0 | SN | Akshria | TB-SWAp | 2013/014 | Heavy bank erosion at R/B | Needs bank protection works. | DDC to initiate work |
| 2 | Kusma Ghat | 250.0 | SN | Babai | SBD | 2013/014 | Whole bridge collapsed and washed away. | Needs new bridge construction. | Work initiated by SBD |
| Sindhupalchowk | | | | | | | | | |
| 1 | Jure Sunkoshi | 142.0 | SD | Sunkoshi | SWAp/GoN | 2009/010 | Whole bridge submerged due to formation of dam. | Needs new bridge construction. | Work to be initiated |

Annex - VII:

List of Flood/Landslide Damaged Bridges in
2071/072 in Eastern region for Reconstruction &
Rehabilitation in year 2072/73

Flood / Landslide Affected Bridge**Year:2015**

| S.N | Number | Bridge Name | Type | Span | River Name | Left Bank VDC | Right Bank VDC | Completion FY | Funding Agency | Major damage | Remarks |
|----------------------|-------------------|------------------|------|------|--------------|---------------|----------------|---------------|----------------|------------------------------|--------------------|
| Taplejung | | | | | | | | | | | |
| 1 | 01 5 015 18 06 01 | Devidaha | D | 65.2 | Hapu Khola | Ambegudin | Ambegudin | 2003/2004 | KAABGN | One side Anchorage collapse | Landslide 2072 |
| 2 | 2 5 029 18 06 03 | Perunge | D | 68.9 | Maiwa Khola | Thinglabu-8 | Dhangesangu-7 | 2000/2001 | DDC/SDC | Collapse | Landslide 2072 |
| 3 | 01 5 006 18 06 03 | Banketar | D | 61 | Tawa Khola | Surumkhim | Khewang | 2004/2005 | KAABGN | One side Anchorage collapse | Landslide 2072 |
| 4 | 01 5 046 18 06 1 | Bhirkuna | D | 78 | Jor Khola | Khejenim | Khejenim | 2004/2005 | DDC/SDC | One side Anchorage collapse | Earthquake 2072 |
| 5 | 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 |
| 6 | 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 |
| 7 | 01 5 036 18 06 3 | Lodumba | D | 62.2 | Simpu Khola | Fakumba | Shanghu | 1999/2000 | KAABGN | One side Anchorage collapse | Landslide 2072 |
| 8 | 01 5 036 18 06 5 | Kharte | D | 28.4 | Neruwa Khola | Sanghu 2 | Fakumba 1 | 1979/1980 | DDC | Collapse | Landslide 2072 |
| 9 | BEA2199013 | Kharte | D | 56 | Neruwa Khola | Fakumba 1 | Dhangesangu-7 | 2006/2007 | KAABGN | Collapse | Landslide 2072 |
| 10 | BEA2194017 | Thukiya | D | 69 | Maiwa Khola | Thinglabu | Fakumba 8 | 1995/1996 | KAABGN | Collapse | Landslide 2072 |
| Sankhuwasabha | | | | | | | | | | | |
| 1 | 9502518062 | Andhery Dovan | D | 84 | Hewa | Siddhapokhari | Jaljala | 2012/2013 | SDC | Bridge completely washed out | Flood |
| 2 | 950018061 | Namring | D | 36.5 | Sankhuwa | Tamku | Bala | 1998/1999 | SDC | Bridge completely washed out | Flood |
| 3 | 095 0061 80 608 | Sikidam | D | 48 | Sankhuwa | Tamku-9 | Bala-9 | | DDC | Bridge completely washed out | Flood |
| 4 | 095 0061 80 603 | Aluwa | D | 84 | Sankhuwa | Tamku-8 | Bala-8 | 2066/2067 | DDC | Bridge completely washed out | Flood |
| 5 | 95014180607 | Chasuwater | D | 40 | Ekhuwa | Pawakhola-6 | Pawakhola-7 | 2037/2038 | GON/SDC | Bridge completely washed out | Flood |
| 6 | 95019180603 | Bimire | D | 57.3 | Hewa | Jaljala | Chainpur | 2003/2004 | SDC | Bridge completely washed out | Flood |
| 7 | | Satpatre | D | | Hewa | Wana | Chainpur | | | Bridge completely washed out | Flood |
| 8 | 95020180601 | Nigure | D | 35 | Hewa | Wana | Chainpur | | GON/SDC | Bridge completely washed out | Flood |
| 9 | | Ekhuwabagar | D | 60 | Ekhuwa | Pawakhola 8 | Pawakhola-5 | | | Washed out Steel Parts | Under Construction |
| 10 | 095 009 18 06 03 | Aawaphedi | D | 81 | Arun | Pathivara | Noom | | GON | Bridge completely washed out | Flood |
| Bhojpur | | | | | | | | | | | |
| 1 | | Yogmaya | D | 135 | Arun | Sitalpati | Nepaledada | 2012/2013 | SDC | Washedout Steel Parts (25%) | Flood |

Needs:**1. Re-construction: 13 bridges****2. Rehabilitation : 7 bridges**

Annex - VIII:

**List of Earthquake Damaged Bridges in 2071/072
for Reconstruction & Rehabilitation in FY 2072/73**

Bridge Damaged by Earthquake of 25 April 2015

Status as of 10th June, 2015

| SN | | District | Bridge Name | Span (m) | Type | River | VDC | | Tentative Cost for Rehab / MM | Details of Damage | Progress on Bridge Investigation | Year of Completion |
|----|----|----------|---------------------|----------|------|----------------|------------|-------------|-------------------------------|--|----------------------------------|--------------------|
| | | | | | | | Left Bank | Right Bank | | | | |
| 1 | 1 | Gorkha | Dhodeni | 59 | SN | Daraudi | Saurpani | Sinjung | 1,180,000 | Cable broken (Publiced at Kantipur) | Investigation completed | na |
| 2 | 2 | | Baluwa | 186 | SD | Daraudi | Saurpani | Sinjung | 3,348,000 | LB, Foundation covered by landslide | | na |
| 3 | 3 | | Chanaute | 72 | SN | Daraudi | Takumajha | Muchok | 1,296,000 | LB, Foundation block damaged | Investigation completed | 2003 |
| 4 | 4 | | Tatopani | 55 | SN | Budigandaki | Kerauja | Uijya | 1,375,000 | LB, Foundation covered by landslide | | na |
| 5 | 5 | | khanibesi | 100 | SD | Budigandaki | Kansigaun | Gumda | 1,800,000 | LB, Block cracked | | 2009 |
| 6 | 6 | | Rangrung | 42 | LD | Rangrung khola | Barpack | Barpack | 756,000 | Wooden deck & cross beam damaged | | na |
| 7 | 7 | | Armala Budhigandaki | | | Budhigandaki | Manuwa | Thumi | 960,000 | | | na |
| 8 | 1 | Rasuwa | Chhepar Khola | 71.3 | SD | Chhepar Khola | Yarsa | Yarsa | 1,283,400 | RB MAB damaged due to land slide | Investigation completed | 2001 |
| 9 | 2 | | Chhepar chaur | 90 | SD | Chhepar Khola | Yarsa | Yarsa | 1,800,000 | RB, crack at block and G. load damaged, LB, gravity load damaged | Investigation completed | 2013 |
| 10 | 3 | | Phalaku Khola | 62 | SD | Phalaku Khola | Saramthali | Yarsa | 1,240,000 | RB, crack at block. LB deadload damaged due to land slide | Investigation completed | 1998 |
| 11 | 4 | | Khyanjo | 44 | SD | Phalaku Khola | Yarsa | Yarsa | 1,474,500 | LB, Gravity load damaged | Investigation completed | 2000 |
| 12 | 5 | | Machet Khola | 98.3 | SD | Machet Khola | Yarsa | Yarsa | 1,769,400 | RB, Foundation block damaged | Investigation completed | 2008 |
| 13 | 6 | | Paire Khet | 75 | SD | Machet Khola | Yarsa | Yarsa | 1,350,000 | LB, Foundation block settled | Investigation completed | 2013 |
| 14 | 7 | | Basbhanjyang | 99 | SD | Phalaku Khola | Saramthali | Bhorle | 1,782,000 | RB, Gravity load damaged due to rock fall | Investigation completed | 2000 |
| 15 | 8 | | Kaidale Tar | 82.3 | SD | Trisuli | Tupche | Laharepauwa | 1,481,400 | LB, Gravity load damaged | Investigation completed | na |
| 16 | 9 | | Thuwar Khola | 87 | SD | Thuwar Khola | Lamtang | Lamtang | 1,914,000 | Bridge damaged | Could not reach due to landslide | na |
| 17 | 10 | | Basitane | 93 | SD | Phalaku Khola | Saramthali | Bhorle | 2,325,000 | RB, Gravity load damaged, | Investigation completed | 2012 |

| SN | | District | Bridge Name | Span (m) | Type | River | VDC | | Tentative Cost for Rehab / MM | Details of Damage | Progress on Bridge Investigation | Year of Completion |
|----|----|----------------|-------------------|----------|------|------------------|---------------|---------------------|-------------------------------|---|---|--------------------|
| | | | | | | | Left Bank | Right Bank | | | | |
| 18 | 11 | Rasuwa | Bhaga Chaur | 92.5 | SD | Phalaku Khola | Saramthali | Bhorle | 2,312,500 | One of the MAB damaged | Investigation completed | 2013 |
| 19 | 12 | | Ghatte Khola | 88 | SD | Yubra Khola | Yarsa | Yarsa | 1,584,000 | Block damaged due to land slide | Investigation completed | 2013 |
| 20 | 13 | | Betrawati (old) | 45 | LD | Phalaku Khola | Laharepauwa | Gerkhu/Nuwakot | 810,000 | LB, Masonry Tower damaged | Investigation completed | na |
| 21 | 14 | | Pangre Dovan | 72 | SD | Phalaku Khola | Bageswari | Bhorle | 1,440,000 | RB, Foundation settled, B'warden death LB, Gravity load damaged | Investigation completed | 2001 |
| 22 | 15 | | Grecho | 55 | SD | Trisuli | Dandagaun | Ramche | 825,000 | Walkway completely damaged | Could not reach due to landslide | na |
| 23 | 16 | | Palphakhola | 62 | SD | Lamtang | Lamtang | Lamtang | 2,400,000 | Completely washed out | Could not reach due to landslide | 2002 |
| 24 | 17 | | Salimbhitta | 66 | SD | Andherikhola | Thulogaun | Manakamana, Nuwakot | 792000 | Lt Tower Damaged | Investigation completed | 2001 |
| 25 | 18 | | Paa khola | 65 | SD | Paa Khola | Bhorleni | Bhorleni | 780000 | R/B MAB damaged | Investigation completed | 2003 |
| 26 | 19 | | Arukarka | 60 | SD | Ghatte Khola | Yarsa | Yarsa | 720000 | L/B Deadload damaged | Investigation completed | 2004 |
| 27 | 20 | | Dharna Bridge | 91 | SD | Phalaku Khola | Saramthali | Yarsa | 1092000 | R/B Deadload damaged | Investigation completed | 1998 |
| 28 | 21 | | Meminlung | 65.3 | SD | Yubra Khola | Saramthali | Saramthali | 1175400 | Deadload structure damaged at right bank | Investigation completed | na |
| 29 | 22 | | Tipling Bridge | 82 | SD | Tipling Khola | Yarsa | Yarsa | 984000 | HR saddle damaged at L/B side due to rock fall | Investigation completed | 2001 |
| 30 | 1 | Dhading | Katahare | 70 | SD | Thopal Khola | Sunaula Bazar | Muralibhanjyang | 1,050,000 | HRC cable broken, walway tilted | Investigation completed | 2000 |
| 31 | 1 | Sindhupalchowk | Nesham Khola | 69 | SD | Nesham Khola | Gumba | Gumba | 1,242,000 | cable broken | Couldnot reach at site due to heavy landslide | na |
| 32 | 2 | | Rampate Amare | 62.9 | SD | Rampate Aare | Dubachaur | Melamchi | 1,258,000 | Rt bank Deadman movement | Investigation completed | 1999 |
| 33 | 3 | | Jambu Bridge | 77 | SD | Bhotekoshi Khola | Gati | Maneswara | 924,000 | Gravity load damaged | Investigation completed | na |
| 34 | 4 | | Damsite | 60 | SD | Indrawati Khola | Lagarche | Banshkharka | 1,080,000 | Lt tower damaged | Investigation completed | 2009 |
| 35 | 5 | | Melamchi Khola | 50.6 | SD | Melamchi Khola | Kiul | Ichok | 1,113,200 | Deadload damaged at both bank | Investigation completed | 1999 |
| 36 | 6 | | Bhotekoshi | 85.4 | SD | Bhotekoshi Khola | Barhabise | Ramche | 1,537,200 | RB tower damaged | Investigation completed | 1995 |
| 37 | 7 | | Sunkoshi Chardham | 65 | SD | Sunkoshi | Kalika | Kodaribas | 780,000 | Dry wall damaged | Investigation completed | na |

| SN | | District | Bridge Name | Span (m) | Type | River | VDC | | Tentative Cost for Rehab / MM | Details of Damage | Progress on Bridge Investigation | Year of Completion |
|----|----|----------------|----------------------|----------|------|-----------------|--------------|-------------------------|-------------------------------|---|----------------------------------|--------------------|
| | | | | | | | Left Bank | Right Bank | | | | |
| 38 | 8 | Sindhupalchowk | Jalbire | 110.2 | SN | Balephi Khola | Jalbire | Batase | 1,322,400 | Walkway damaged | Investigation completed | 1988 |
| 39 | 9 | | Yangri Dovan | 110 | SD | Yangri Khola | Bhotang | Baruwa | 1,540,000 | One of the MAB damaged | Investigation completed | 2001 |
| 40 | 10 | | Katunjabeshi Ranitar | 63.9 | SD | Balefi Khola | Kotphulping | Batase | 639,000 | One of the MAB damaged | Investigation completed | 2010 |
| 41 | 11 | | Bhainse Sunkoshi | 107.3 | SD | Sunkoshi | Yamundanda | Kadambas | 1,502,200 | Gravity load damaged @ Lt bank | Investigation completed | 1997 |
| 42 | 12 | | Indrawati | 69.2 | SD | Indrawati Khola | Jyamere | Dubachaur | 968,800 | Gravity load damaged, wall cracked | Investigation completed | 1997 |
| 43 | 1 | Sindhuli | Pacharang | 112 | SD | Bhalukhola | Jarayotar | Jarayo Tar | 2,016,000 | Gravity load damaged | Investigation completed | 2005 |
| 44 | 2 | | Jhakri Khola | 68 | SD | Jhakri Khola | Arun Thakur | Arun Thakur | 1,224,000 | Tower cracked | Investigation completed | 2000 |
| 45 | 1 | Dolakha | Busti | 66.6 | SN | Tamakoshi | Namdu | Bhimeshwar Municipality | 1,665,000 | Main anchorage block damaged at Rt bank | Investigation completed | 1933 |
| 46 | 2 | | Bhyakure | 105 | SD | Tamakoshi | Japhe | Ghyan Sukathokar | 2,100,000 | Tower cracked | Investigation completed | 2009 |
| 47 | 3 | | Pikhuti | 33.6 | SD | Tamakoshi | Jugu | Lamidanda | 672,000 | HRC cable broken in upstream side | Investigation completed | 1978 |
| 48 | 4 | | Jhangrali | 100.2 | SD | Tamakoshi | Jyaku | Laduk | 1,202,400 | L/B limbwall and Deadman damaged | Investigation completed | 2011 |
| 49 | 5 | | Susintar mar | 77 | SD | Khahare Khola | Khare | Changkhu | 1,001,000 | Main anchorage block damaged at one bank. | | 2011 |
| 50 | 6 | Kavre | Sirke Dovan | 118 | SD | Bagmati | Salmechakal | Phaparbari | 1,770,000 | Both Bank, Gravity load damaged | Investigation completed | 2001 |
| 51 | 7 | | Phyang Khola | 55 | SD | Phyang Khola | Saldhara | Milche | 550,000 | Both tower cracked | Investigation completed | na |
| 52 | 8 | Manang | Hulaki Odar | 31.3 | SD | Naar Khola | Naar | | 563,400 | One WWC fence cable of 13 mm broken and approx 12 steel deck 6 C/beam damaged | | 2005 |
| 53 | 9 | | Mada Bridge | 51.4 | SD | Mada Khola | Chamr | | 925,200 | Gravity structure at Rt bank fell down | | 1999 |
| 54 | 10 | Lamjung | Rudi khola | 120 | SD | Rudikhola | Mijure,Kaski | Karapu,Lamjung | 1,800,000 | Dead load wall damaged at R/Bank | | 2007 |
| 55 | 11 | | Langdi khola | 87 | LD | Langdi khola | Bichaur | Ilampokhari | 1,305,000 | Onae side one part damaged of moasonry tower | | 2008 |
| 56 | 12 | | Dordi Khola | 72 | SD | Dordi Khola | Dhodeni | Phaleni | 800,000 | RB Main Anchorage Block damaged | | 2002 |

| SN | | District | Bridge Name | Span (m) | Type | River | VDC | | Tentative Cost for Rehab / MM | Details of Damage | Progress on Bridge Investigation | Year of Completion |
|-------|---|-----------|--------------------|----------|------|---------------|-----------------|--------------------|-------------------------------|--|----------------------------------|--------------------|
| | | | | | | | Left Bank | Right Bank | | | | |
| 57 | 1 | Ramechhap | Jamune Milti | 87 | SD | Milti Khola | Dandakharka | Phulasi | 1,740,000 | Towe Cracked at both Banks | Investigation completed | 2005 |
| 58 | 2 | | Karambot | 106 | SD | Tamakoshi | Manthali | Chisapani | 848,000 | L/B tower cracked | Investigation completed | 2000 |
| 59 | 3 | | Haledibesi | 129.7 | SD | Tamakoshi | Gelu | Tilpung | 1037600 | L/B tower cracked | Investigation completed | 2001 |
| 60 | 1 | Nuwakot | Simkhet | 148 | SD | Trisuli | Jiling | Khadgabhanjyang | 1,776,000 | Rt bank foundation block damaged, Deadmen at both bank damaged | Investigation completed | 2007 |
| 61 | 2 | | Ramati | 70.2 | SD | Chandrawati | Sikharbesi | Samundrarat | 1,263,600 | Rt bank foundation block damaged, | Investigation completed | 2008 |
| 62 | 3 | | Dhodeni | 120 | SD | Trisuli | Ratmate | Budhsingh | 1,800,000 | Foundation wall cracked | Investigation completed | 2002 |
| 63 | 4 | | Salankhukhola | 89 | SD | Salankhukhola | Mankamana | Tupche | 1,335,000 | Foundation wall cracked | Investigation completed | 1978 |
| 64 | 5 | | subhaghat | 112 | SD | Trisuli | Gerkhu | Bidur Municipality | 1,680,000 | Foundation wall cracked | Investigation completed | 2007 |
| 65 | 1 | Udaypur | Majuwaphedi Bridge | 79 | SD | Bajjnath | Bhalayadada # 6 | Dumre # 5 | 948,000 | Crack observed in Limb wall and tower block | | 2014 |
| 66 | 1 | Panchthar | Sanbutar Truss | 32 | ST | Sawa Khola | Sarangdada # 3 | Sarangdada # 3 | 480,000 | 2 tree fallen on bridge resulted bridge tilted | | na |
| 67 | 1 | Myagdi | Kaligandaki | 93 | SD | Kaligandaki | Ramche | Bhagwati | 3,080,000 | Completely damaged by land slide of 23rd May | | 2004 |
| 68 | 2 | | Kaduri Bridge | 105 | SD | Kaligandaki | | | 3,150,000 | Completely damaged by land slide of 23rd May | | na |
| Total | | | | | | | | | 93,738,600 | | | |

| | | | | | | | | |
|----------|------------|------------|--------------------|-------------|--------------|------------|--------------|------------|
| Summary: | Rasuwa: 22 | Gorkha: 7 | Kavre: 2 | Sindhuli: 2 | Dhading: 1 | Nuwakot: 5 | Ramechhap: 3 | Dolakha: 5 |
| | Manang: 2 | Lamjung: 3 | Sindhupalchowk: 12 | Udayapur: 1 | Panchther: 1 | Myagdi: 2 | Total: 68 | |

Annex – IX:
Trail Bridge SWAp
Annual Budget for FY 2072/073 (2015/016)

Amount in NRs million

| Budget line | GoN | SDC | Total | DRILP- AF | RAP-3 | Grand Total |
|--|-----------------|----------------|-----------------|----------------|---------------|-----------------|
| New Construction – District | 773.360 | | 773.360 | 176.398 | 77.550 | 1027.308 |
| Routine Maintenance - District | 38.170 | | 38.170 | | | 38.170 |
| Major Maintenance – District | 140.441 | | 140.441 | | | 140.441 |
| Total Recurrent Budget (District Grants) | 951.971 | | 951.971 | | | 951.971 |
| Recurrent Budget SBD (Central) | 14.082 | | 14.082 | | | 14.082 |
| Recurrent Budget LBS (Central) | | | | | | |
| Total Recurrent Budget (Central) | 14.082 | | 14.082 | | | 14.082 |
| Total Recurrent Budget (District + Central) | 966.053 | | 966.053 | 176.398 | 77.550 | 1220.001 |
| Reconstruction and Major Maintenance Budget of earthquake damaged bridges | 100.000 | | 100.000 | | | 100.000 |
| Construction Budget – SBD (Central) | 520.000 | | 520.000 | | | 520.000 |
| GoN Funds for Procurement of Wire ropes and Bulldog grips- DoLIDAR (Central) | 219.700 | | 219.840 | | | 219.840 |
| Store Mangement | 0.840 | | 0.840 | | | 0.840 |
| Technical Assistance | | 250.000 | 250.000 | | | 250.00 |
| Total Capital Budget- Centre | 840.540 | 250.000 | 1090.540 | | | 1090.540 |
| Total Budget - Centre | 753.922 | 250.000 | 1003.922 | | | 1003.922 |
| Total TB SWAp Budget | 1806.593 | 250.000 | 2056.593 | 176.398 | 77.550 | 2310.541 |

Trail Bridge Sector-Wide Approach - Annual Plan for FY 2072/073(2015/016)**GoN -Funded District-wise Program****in NRs '000**

| S.N. | | District | Routine Maintenance | Major Maintenance | New Construction | Total |
|----------------|----|-------------|---------------------|-------------------|------------------|---------|
| Eastern Region | 1 | Taplejung | 858 | 2,679 | 2,640 | 6,177 |
| | 2 | Panchthar | 684 | 800 | 11,940 | 13,424 |
| | 3 | Ilam | 780 | 900 | 14,168 | 15,848 |
| | 4 | Dhankuta | 252 | 0 | 11,341 | 11,593 |
| | 5 | Terhathum | 552 | 959 | 10,457 | 11,968 |
| | 6 | S Sava | 648 | 1,000 | 10,978 | 12,626 |
| | 7 | Bhojpur | 678 | 3,060 | 13,651 | 17,389 |
| | 8 | Udaypur | 336 | 1,835 | 14,028 | 16,199 |
| | 9 | Khotang | 978 | 2,550 | 9,069 | 12,597 |
| | 10 | Okhaldhunga | 672 | 1,230 | 4,400 | 6,302 |
| | 11 | Solukhumbu | 648 | 2,196 | 13,017 | 15,861 |
| | 12 | Jhapa | 30 | 0 | 11,552 | 11,582 |
| | 13 | Morang | 234 | 1,035 | 12,648 | 13,917 |
| | 14 | Sunsari | 72 | 500 | 12,641 | 13,213 |
| | 15 | Saptari | 36 | 500 | 10,216 | 10,752 |
| | 16 | Siraha | 36 | 0 | 13,346 | 13,382 |
| | | Total | 7,494 | 19,244 | 176,092 | 202,830 |

| | | | | | | |
|----------------|----|-----------------|-------------|--------------|---------------|----------------|
| Central Region | 17 | Dolakha | 1,026 | 4,185 | 9,187 | 14,398 |
| | 18 | Ramechhap | 960 | 1,851 | 0 | 2,811 |
| | 19 | Sindhuli | 480 | 4,887 | 11,659 | 17,026 |
| | 20 | Dhanusha | 30 | 0 | 10,477 | 10,507 |
| | 21 | Mahottari | 42 | 500 | 12,415 | 12,957 |
| | 22 | Sarlahi | 54 | 500 | 13,441 | 13,995 |
| | 23 | Rasuwa | 420 | 4,125 | 7,875 | 12,420 |
| | 24 | Dhading | 762 | 4,792 | 10,875 | 16,429 |
| | 25 | Nuwakot | 852 | 4,382 | 10,050 | 15,284 |
| | 26 | Kathmandu | 180 | 2,972 | 5,645 | 8,797 |
| | 27 | Bhaktapur | 48 | 1,290 | 4,370 | 5,708 |
| | 28 | Lalitpur | 450 | 3,047 | 8,275 | 11,772 |
| | 29 | Kavrepalanchowk | 828 | 3,510 | 8,297 | 12,635 |
| | 30 | Sindhupalchowk | 846 | 4,267 | 9,849 | 14,962 |
| | 31 | Makwanpur | 300 | 3,400 | 8,150 | 11,850 |
| | 32 | Rautahat | 36 | 500 | 8,867 | 9,403 |
| | 33 | Bara | 12 | | 11,381 | 11,393 |
| | 34 | Parsa | 48 | 600 | 14,816 | 15,464 |
| | 35 | Chitwan | 282 | 1,135 | 10,940 | 12,357 |
| | | Total | 7656 | 45943 | 176569 | 230,168 |

Trail Bridge Sector-Wide Approach - Annual Plan for FY 2072/073(2015/016)**GoN -Funded District-wise Program****in NRs '000**

| S.N. | District | Routine Maintenance | Major Maintenance | New Construction | Total |
|--------------------|-----------------|---------------------|-------------------|------------------|----------------|
| Western Region | 36 Gorkha | 1,008 | 2,830 | 0 | 3,838 |
| | 37 Manang | 416 | 1,000 | 11,020 | 12,436 |
| | 38 Lamjung | 990 | 2,118 | 0 | 3,108 |
| | 39 Kaski | 768 | 1,000 | 13,200 | 14,968 |
| | 40 Tanahun | 528 | 1,000 | 15,600 | 17,128 |
| | 41 Syangja | 680 | 1,500 | 14,800 | 16,980 |
| | 42 Gulmi | 1,044 | 1,250 | 13,200 | 15,494 |
| | 43 Palpa | 798 | 1,400 | 12,800 | 14,998 |
| | 44 Arghakhanchi | 318 | 500 | 18,400 | 19,218 |
| | 45 Nawalparasi | 270 | 650 | 11,200 | 12,120 |
| | 46 Rupandehi | 78 | 1,020 | 13,000 | 14,098 |
| | 47 Kapilbastu | 36 | | 9,638 | 9,674 |
| | 48 Mustang | 352 | 500 | 11,600 | 12,452 |
| | 49 Myagdi | 1,040 | 5,750 | 6,000 | 12,790 |
| | 50 Baglung | 2,460 | 3,950 | 0 | 6,410 |
| | 51 Parbat | 1,014 | 900 | 10,080 | 11,994 |
| Total | | 11,800 | 25,368 | 160,538 | 197,706 |
| Mid-Western Region | 52 Rukum | 528 | 2,000 | 10,058 | 12,586 |
| | 53 Rolpa | 864 | 1,400 | 14,112 | 16,376 |
| | 54 Pyuthan | 642 | 2,100 | 12,053 | 14,795 |
| | 55 Salyan | 192 | 1,500 | 14,494 | 16,186 |
| | 56 Dang | 258 | 1,000 | 17,893 | 19,151 |
| | 57 Dolpa | 630 | 3,090 | 15,905 | 19,625 |
| | 58 Mugu | 630 | 2,590 | 9,514 | 12,734 |
| | 59 Jumla | 576 | 1,072 | 7,788 | 9,436 |
| | 60 Kalikot | 642 | 1,094 | 11,086 | 12,822 |
| | 61 Humla | 684 | 3,608 | 7,818 | 12,110 |
| | 62 Jajarkot | 444 | 3,000 | 10,531 | 13,975 |
| | 63 Dailekh | 468 | 3,000 | 11,310 | 14,778 |
| | 64 Surkhet | 450 | 3,500 | 9,572 | 13,522 |
| | 65 Banke | 48 | 766 | 7,434 | 8,248 |
| | 66 Bardiya | 48 | 766 | 7,434 | 8,248 |
| Total | | 7,104 | 30,486 | 167,002 | 204,592 |
| Far Western Region | 67 Achham | 480 | 2,500 | 9,058 | 12,038 |
| | 68 Bajhang | 618 | 2,500 | 9,990 | 13,108 |
| | 69 Kailali | 204 | 1,000 | 9,277 | 10,481 |
| | 70 Bajura | 462 | 3,000 | 6,926 | 10,388 |
| | 71 Doti | 606 | 3,000 | 7,869 | 11,475 |
| | 72 Darchula | 636 | 2,500 | 16340 | 19,476 |
| | 73 Baitadi | 534 | 2,000 | 5,530 | 8,064 |
| | 74 Dadeldhura | 492 | 1,500 | 14,090 | 16,082 |
| | 75 Kanchanpur | 84 | 1,400 | 14,079 | 15,563 |
| Total | | 4116 | 19,400 | 93,159 | 116,675 |
| Grand Total | | 38170 | 140441 | 773360 | 951,971 |

Annex - X:

**Budget Provision for RM/BW Training, DTMP,
DBR and Load Test (included in new
construction budget) for FY 2072/073(2015/016)**

Trail Bridge Sector-Wide Approach (TB SWAp)**RMT, DBMT, DBR, Load Test -District wise Budget for FY 22072/073 (2015/016)****GoN Funded**

| | SN | District | RM Training | DMBT | DBR | Load Test | Total |
|----------------|--------------|-------------|----------------|------|---------------|--------------|----------------|
| Eastern Region | 1 | Taplejung | | | | | |
| | 2 | Panchthar | | | | | |
| | 3 | Ilam | | | | | |
| | 4 | Dhankuta | | | | | |
| | 5 | Terhathum | | | | | |
| | 6 | S Sava | | | | | |
| | 7 | Bhojpur | | | | | |
| | 8 | Udaypur | | | | | |
| | 9 | Khotang | 828000 | | 252000 | | 1080000 |
| | 10 | Okhaldhunga | 423000 | | | | 423000 |
| | 11 | Solukhumbu | 630000 | | 229320 | | 859320 |
| | 12 | Jhapa | | | | 40500 | |
| | 13 | Morang | | | | | |
| | 14 | Sunsari | 150000 | | | 58500 | 150000 |
| | 15 | Saptari | | | | | |
| | 16 | Siraha | | | | | |
| | Total | | 2031000 | | 481320 | 99000 | 2512320 |

| | | | | | | | |
|----------------|--------------|----------------|----------------|--|----------------|---------------|----------------|
| Central Region | 17 | Dolakha | 200000 | | 400000 | | 600000 |
| | 18 | Ramechhap | 200000 | | 400000 | | 600000 |
| | 19 | Sindhuli | 250000 | | 350000 | 150000 | 600000 |
| | 20 | Rasuwa | | | 350000 | | 350000 |
| | 21 | Dhading | 200000 | | 400000 | | 600000 |
| | 22 | Nuwakot | 200000 | | 400000 | | 600000 |
| | 23 | Kathmandu | | | 200000 | | 200000 |
| | 24 | Bhaktapur | | | 50000 | | 50000 |
| | 25 | Lalitpur | | | 200000 | 150000 | 200000 |
| | 26 | Kavre | 200000 | | 300000 | | 500000 |
| | 27 | Sindhupalchowk | | | 300000 | | 300000 |
| | 28 | Makwanpur | | | 200000 | | 200000 |
| | 29 | Chitwan | | | 150000 | | 150000 |
| | 30 | Rautahat | | | | | 0 |
| | 31 | Bara | | | | | 0 |
| | 32 | Parsa | 150000 | | | | 150000 |
| | 33 | Dhanusha | | | | | 0 |
| | 34 | Mahottari | | | | | 0 |
| | 35 | Sarlahi | | | | | 0 |
| | Total | | 1400000 | | 3700000 | 300000 | 5100000 |

| | SN | District | RM Training | DMBT | DBR | Load Test | Total |
|----------------|--------------|--------------|-------------|------|-----|-----------|-------|
| Western Region | 36 | Gorkha | | | | | |
| | 37 | Manang | | | | | |
| | 38 | Lamjung | | | | | |
| | 39 | Kaski | | | | | |
| | 40 | Tanahun | | | | | |
| | 41 | Syangja | | | | | |
| | 42 | Gulmi | | | | | |
| | 43 | Palpa | | | | | |
| | 44 | Arghakhanchi | | | | | |
| | 45 | Nawalparasi | | | | | |
| | 46 | Rupandehi | | | | | |
| | 47 | Kapilbastu | | | | | |
| | 48 | Mustang | | | | | |
| | 49 | Myagdi | | | | | |
| | 50 | Baglung | | | | | |
| | 51 | Parbat | | | | | |
| | Total | | | | | | |

| | | | | | | | |
|--------------------|--------------|----------|----------------|--|---------------|--------------|---------------|
| Mid Western Region | 52 | Rukum | | | | | |
| | 53 | Rolpa | 250000 | | | | 250000 |
| | 54 | Pyuthan | 250000 | | | | |
| | 55 | Salyan | 180000 | | 18000 | | 198000 |
| | 56 | Dang | 180000 | | 0 | | 180000 |
| | 57 | Dolpa | 180000 | | 20000 | | 200000 |
| | 58 | Mugu | | | | | 40000 |
| | 59 | Jumla | | | 39000 | 25000 | 64000 |
| | 60 | Kalikot | | | 40000 | | |
| | 61 | Humla | | | | | |
| | 62 | Jajarkot | | | | | |
| | 63 | Dailekh | 125000 | | | | 125000 |
| | 64 | Surkhet | 125000 | | | | 125000 |
| | 65 | Banke | | | | | |
| | 66 | Bardiya | | | | | |
| | Total | | 1290000 | | 117000 | 25000 | 732000 |

| | | | | | | | |
|--------------------|--------------|------------|---------------|--|--------------|--|---------------|
| Far Western Region | 67 | Achham | 150000 | | | | 150000 |
| | 68 | Bajhang | 150000 | | | | 150000 |
| | 69 | Kailali | | | 63000 | | 63000 |
| | 70 | Bajura | 150000 | | | | 150000 |
| | 71 | Doti | | | | | 0 |
| | 72 | Darchula | | | | | 0 |
| | 73 | Baitadi | | | | | 0 |
| | 74 | Dadeldhura | 150000 | | | | 150000 |
| | 75 | Kanchanpur | | | 25200 | | 25200 |
| | Total | | 600000 | | 88200 | | 688200 |

| | | | | | |
|--------------------|------------------|--|------------------|---------------|------------------|
| Grand Total | 3,321,000 | | 4,298,320 | 99,000 | 7,718,320 |
|--------------------|------------------|--|------------------|---------------|------------------|

