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SMALL IRRIGATION PROGRAMME (SIP)



REPORT ON SHORT-TERM MONITORING (STM) SURVEY - 2026



Completed in August 2026

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Cover Photo: STM survey conducted sample Irrigation Scheme completed in FY 2022/23 | Harlabote Pipalbote Bich Kulo IP | Tumbewa Rural Municipality, Panchthar | **Photo credit:** Samundra Singh Dhami

1 Introduction

The Small Irrigation Programme, Phase II (SIP-II), implemented by the Government of Nepal in partnership with the Government of Switzerland, builds on SIP Phase I experience. Targeting 59 Local Governments (LGs) in Koshi Province's mid-hills, it aims to provide year-round irrigation to 21,161 hectares through 1,385 small irrigation systems, benefiting 68,445 households. Its goal is to reduce poverty among small farmers, especially from disadvantaged groups (DAGs), by increasing their agricultural income. This will be achieved through three outcomes: effective Local Government response to irrigation needs, increased productivity of small farmers, and innovative market support.

The programme prioritizes the sustainability of irrigation schemes alongside infrastructure development. As outlined in its results framework, SIP-II aims to ensure that 90% of schemes constructed or rehabilitated remain functional three years after completion, and that at least 80% of Water Users' Associations (WUAs) establish and manage funds for operation, maintenance and major repairs through equitable water service fee collection. To assess the functionality of irrigation schemes during the dry season and to evaluate their condition after construction or rehabilitation, periodic short-term monitoring (STM) surveys are conducted.

This third slot of the survey was conducted in March/April 2026. The survey specifically aims to review the functionality and sustainability of completed schemes as part of post-implementation monitoring after three years of completion.

2. Objectives

The main objective of the short-term monitoring is to assess the functionality of the implemented irrigation systems and support to ensure sustainability of the irrigation systems. This type of monitoring mainly examines the existing functionality status of irrigation schemes and checks the major parameters of sustainability in them, and recommends the appropriate measures.

The specific objectives of this assignment are as below:

- Examine the physical functionality status of irrigation infrastructure established under SIP-II.
- Study the status of O&M practices by water users' association (WUA).
- Assess the institutional part and performance of water users' association.
- Assess the irrigation services and water distribution mechanism within the WUA
- Assess the user's satisfaction with the service delivery of irrigation system in their command area.
- Recommend measures to be taken in the future for the sustainability of the irrigationsystems.

3. Scope of Work

This periodic STM survey is intended to be carried out in the irrigation systems after at least three years of their completion period. This survey considers four major aspects for the study which are: a) status of physical functionality of infrastructures, b) institutional arrangements, c) service delivery and d) O&M fund management within WUA of the irrigation system.

For this assignment, the following scope was envisioned; accordingly, subsequent activities were accomplished:

- Develop the survey plan, design data collection tools, questionnaires, and coordinate with clusters and WUAs to facilitate fieldwork

- Conduct field survey to collect the field data through direct observations, qualitative and quantitative survey of the irrigation schemes along with discussion with WUAs
- Manage process, analyze and interpret the collected data and information
- Prepare preliminary findings, draft a survey report, and discuss within the PMISC team
- Develop the final report after incorporating comments received from the PMISC team members

4 Limitation of the study

The STM survey was designed as a rapid assessment, and therefore, certain limitations need to be acknowledged:

- **Seasonal Coverage:** The survey was carried out during the dry season, which may not fully reflect variations in scheme functionality across different agricultural seasons.
- **Self-Reported Information:** Some aspects, such as WUA fund management, satisfaction on irrigation services and O&M practices, relied on information reported by few members of WUAs and users, which may be affected by recall bias or inaccuracies.
- The survey was carried out on certain number of sample schemes, which has been selected based on standard sampling process. It is assumed that the results of sample schemes shall represent all completed schemes.

5 Study areas

The Programme has completed construction of 338 irrigation schemes in FY 2079/80 located in 57 municipalities of eight working districts of SIP-II. Detail is presented in Table 1 below.

Table 1 : Number of schemes completed in FY 2079/80

Working Area	Working Rural Municipality	Schemes Completed (No)	Achieved Irrigated Area (ha)	Weightage of achieved irrigated area
Bhojpur	7	28	428	8%
Dhankuta	6	44	946	13%
Ilam	8	60	2188	18%
Khotang	10	20	408	6%
Okhaldhunga	8	64	602	19%
Panchthar	6	56	1176	17%
Terhathum	5	25	485	7%
Udayapur	8	41	465	12%
Total	58	338	6698	100%

The geographical coverage of these irrigation schemes is shown in **Fig 1**. List of total 338 schemes completed in fiscal year 079/80, and their detail is presented in **Annex-2**.

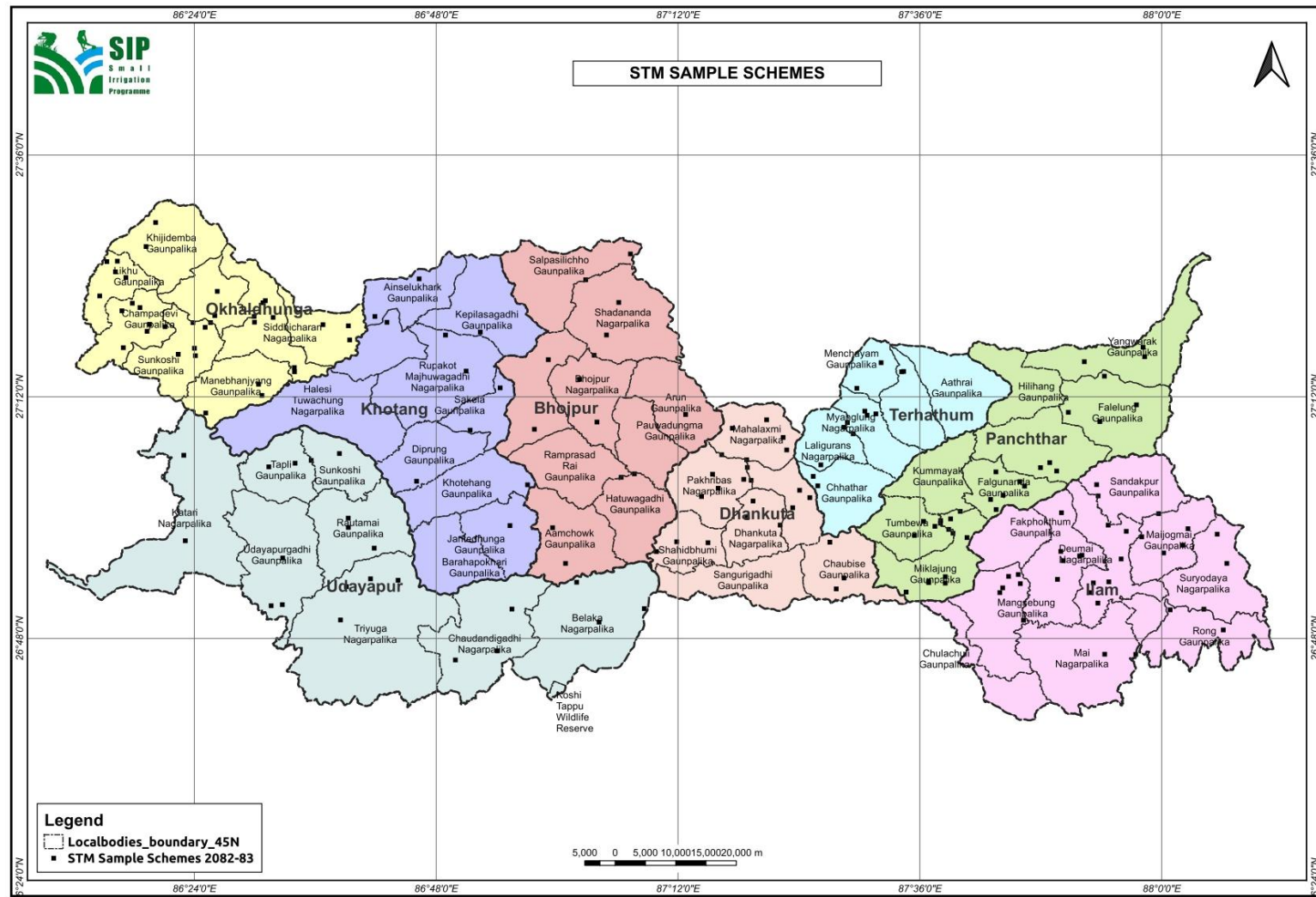


Fig: 1 Geographical coverage of irrigation schemes completed in fiscal year 079/080

6 Methodology

The STM survey was mainly based on qualitative approach. Quantitative measurements were made for source discharge only, while quantitative records of O&M fund etc. were made through observation of documents. The procedures included walk-through survey for observation of infrastructure status and through questionnaire method by using internet-based mWATER/Solstice mobile/tablet application. In addition, discussions were carried out with water users' association members to collect the qualitative data on institutional and operation and maintenance (O&M) aspects of the irrigation schemes. Interactions with random individual beneficiaries were also done to collect the data on users' satisfaction with irrigation schemes.

The following sections further describe the details of methodology and approaches of STM survey.

6.1 Sampling Method

A total of 338 schemes completed in FY 2079/80 is the population for the sampling process. Random sampling method was used to determine the sample size from the population. Sampling has been done on 95% confidence level and 5% margin of error.

Following formula have been used for the sampling:

$$n = N / (1 + Ne^2)$$

N= Population

n= Sample Size

e= Margin of Error (5%)

For the survey N = 338, e = 5%

$$N = 338 / (1 + 338 * 0.05^2) = 183$$

Thus, total number of sample schemes is 183 which is about 54% of the total schemes. The samples are distributed to all the program districts on the basis of the sample percentage for each district. The distribution is also stratified across various sizes of the command areas for each district; ranging from less than 10 ha to over 50 ha.

The schemes were selected randomly, taking into account the varying sizes of their command areas and ensuring proportional representation based on the number of completed schemes in each program district, all within the predetermined sample size.

The numbers of schemes across eight districts and scheme distribution according to command area are given below in **Tables 2 & 3** respectively.

Table 2: Number of sample schemes from each district for STM survey

Working Area	Working Rural Municipality/Mun	Scheme Number	Number of Sample Schemes
Bhojpur	7	28	14
Dhankuta	6	44	24
Ilam	8	60	33
Khotang	10	20	11
Okhaldhunga	8	64	35
Panchthar	6	56	31
Terhathum	5	25	13
Udayapur	8	41	22
Total	58	338	183

Table 3 : Number of sample schemes distribution according to command area coverage

Command area coverage (hectare)	Total Schemes	% Weightage of achieved command area	Number of sample schemes based on 183
0-10	140	42	77
11-20	89	26	47
21-30	47	14	26
31-40	27	8	14
41-50	17	5	9
above 50	18	5	10
Total	338	100	183

Name list and detail of 183 sample irrigation schemes and assigned cluster for survey is presented in Annex-3.

6.2 Data Collection Methods

To assess the functionality and sustainability of irrigation systems, structured questionnaires were developed and administered using the mWater/Solstice applications, capturing both quantitative and qualitative data. The questionnaires used in the study are presented in **Annex**

1.

Data were collected through the following methods:

1. **Interviews** with WUA members and system users.
2. **Site observations** of irrigation systems.
3. **Review of documents** maintained by WUAs.

The survey focused on four key areas of measurement, elaborated as

follows: **a. Infrastructure Functionality**

Assessed through site observations and discussions with WUA members and users, focusing on:

- Condition of intake, lined canal, earthen canal, and structures.
- Available discharge at key locations, particularly at the intake.

Based on comparison with the designed scenario, infrastructure functionality was categorized as:

- **Functional:** When sufficient water is available at the source and can be diverted and conveyed to the command area as required, even if some structures are not fully operational, provided they do not obstruct water flow.
- **Partially functional (minor repair required):** Schemes supply water only for part of the year or to a limited portion of the command area, typically due to seasonal scarcity of water or partial structural damage.
- **Non-functional (major repair required):** Schemes are unable to deliver water to the command area, whatsoever, rendering them inoperative when needed.

b. Institutional Arrangements

Reviewed through meetings with WUA members and examination of WUA documents,

focusing on:

- **Functionality:** Regular meetings with adequate participation and decision-making.
- **Legal/procedural compliance:** Regular audits and timely renewal of WUA.
- **Financial management:** Proper record-keeping and documentation of fund flows.

c. O&M Fund Management

Examined through discussions with WUA members and document review, focusing on:

- Existence of provisions for O&M fund collection (irrigation service fees or other mechanisms).
- Collection practices (frequency, rates, and methods).
- Current status of the fund.
- Expenditure practices, including payments to O&M workers, purchase of goods, officemanagement, and maintenance works.
- Implementation of planned O&M

d. Service Delivery

Measured through interviews with WUA members, community users, and discharge observations, focusing on:

- Existence of an operational schedule.
- Timeliness and adequacy of water supply.
- Reliability of irrigation services.
- Equity in water

distribution. Service delivery was categorized as:

- **Satisfactory:** Adequate irrigation available year-round when required.
- **Fair:** Adequate irrigation available when required for major crops.
- **Poor:** Inadequate irrigation when require

6.3 Monitoring Parameter

In the survey, monitoring parameters were developed according to the objective of the survey. Major monitoring parameters are presented below in **Table 4**.

Table 4: List of monitoring indicators of short term monitoring survey

S.N.	Indicators	Unit
a)	Irrigation Scheme Functionality	
a.1	Functional schemes	Number
a.2	Partially functional schemes	Number
a.3	Non-functional schemes	Number
b)	WUA Institutional Arrangement	
b.1	WUAs renewed in last three years	Number

S.N.	Indicators	Unit
b.2	WUAs conducting Annual Audit	Number
b.3	WUAs conducting Regular Meetings	Number
b.4	WUAs with proper Documentation	Number
c)	O&M Fund Management	
c.1	WUAs having O&M Plan	Number
c.2	WUAs collecting O&M fees	Number
c.3	WUAs that have assigned O&M Worker	Number
d)	Service Delivery	
d.1	Schemes with water availability at source	Number
d.2	Schemes with the satisfaction of the users with the service delivery from the system	Number
d.1	Schemes having water distribution policy	Number
d.2	Schemes having irrigation schedule	Number
e)	Other	
f.1	Schemes receiving supports from other agencies	Number

6.4 Time Frame

Timeline was developed for completion of the survey; data collection was started from 8th April and completed on 1st June against proposed deadline of 7th May. Detail of timeline is presented in **Table 5**.

Table 5 : Timeline of the short term monitoring survey

Activities (Task to be accomplished)	Timeline
Prepare concept note/ToR	10 th March
Sampling of schemes cluster wise	20 th March
Revision of Questionnaires	16 th March
Upload Questionnaires in Solstice (mWater application)	25 th March
Orientation to staffs for data collection/Testing	7 th April
Data collection	8 th April- 7 th May
Data analysis and Draft report preparation	15 th May

7 Findings of the study

The survey data collected through the mWater application were analyzed using the monitoring parameters specified in Section 6.3. The analysis assesses the current status and performance of SIP-II-supported irrigation schemes completed in FY 2079/80, with a particular focus on their functionality, management and sustainability. The findings highlight key achievements as well as gaps that may affect the long-term operation and effectiveness of the schemes. Results are presented under four key monitoring indicators: infrastructure functionality, institutional arrangements, operation and maintenance (O&M) fund management, irrigation service delivery along with water distribution.

7.1. Irrigation Schemes Functionality Status

The assessment categorized irrigation schemes into three functionality levels: fully functional, partially functional and non-functional. A scheme was considered functional if it was capable of diverting and conveying sufficient water from the source to the intended command area as required, regardless of minor structural deficiencies that did not impede water flow. Partially functional schemes were those able to provide irrigation services only to a portion of the command area or for part of the year, typically due to partial damage to infrastructure or seasonal water shortages. Non-functional schemes were defined as those unable to deliver water to the command area when required, rendering them ineffective for irrigation purposes.

Out of the 338 irrigation schemes completed in FY 2079/80, a total of 183 schemes were surveyed. Fig 2 shows the functionality status of 183 surveyed schemes. The findings indicate a generally positive level of functionality, with 90 percent of the assessed schemes found to be functional. Overall, 70 percent schemes were fully functional and capable of delivering irrigation services as designed, while 20 percent were partially functional. The remaining 10 percent of schemes were non-functional, primarily due to structural damage caused by floods and heavy rainfall events.

A closer examination of the partially functional schemes revealed that flood-induced damage to key infrastructure components was the primary factor affecting their performance. Another significant factor was the drying of the source, identified in a smaller number of schemes. For schemes affected by declining water availability, irrigation water was generally sufficient to serve the entire command area for approximately eight months of the year; however, during the dry season, water availability declined, limiting irrigation services to only a portion of the command area.

Total surveyed irrigation schemes: 183

- Total functional schemes: 165 (90%)
 - Fully functional: 129 (70%)
 - Partially functional: 36 (20%)
- Total non-functional schemes: 18 (10%)

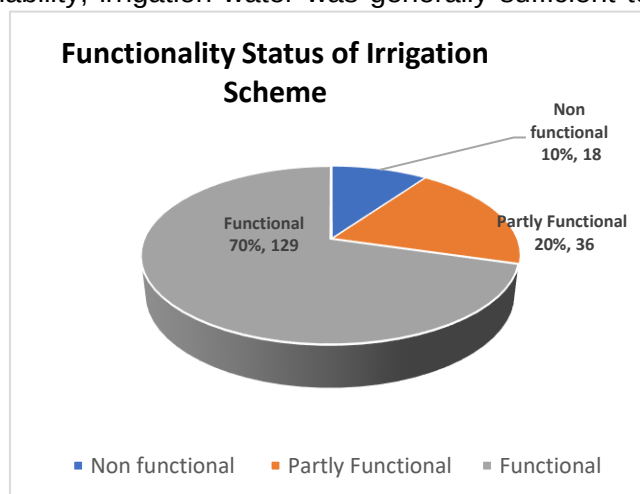


Fig:2 Functionality status of Irrigation schemes

Fig 3 shows the status of partially functional schemes. Of the 36 partially functional schemes, it was found that, 23 (64%) schemes had been affected by floods which caused the damage

in structures, whereas 4 (11%) schemes were found partially functional due to lack of repair and maintenance of canals and structures.

Remaining 9 partially functional schemes (25%) had source drying issues. It was observed that available source water estimated as adequate for the proposed cropping pattern during detail survey and scheme construction, was no longer so, due to the sources gradually drying up over time. Consequently, these schemes could adequately supply water to whole command area only during the eight months of the year; in remaining period, only parts, or none, of the command area could be irrigated.

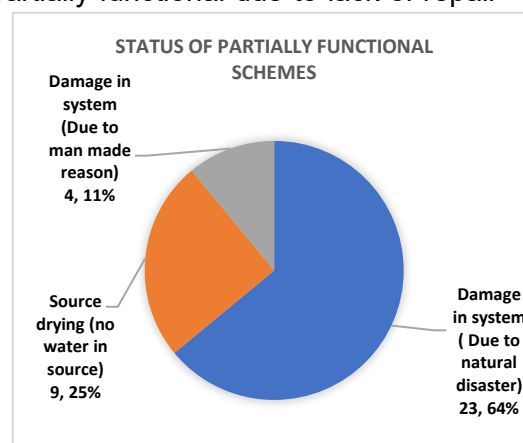


Fig 3: Status of Partially Functional Schemes

Fig 4 represents the status of non-functional schemes. Out of the 18 non-functional schemes, 17 schemes (94%) were found non-functional due to damage in the systems by flood: mainly, intakes have been damaged massively in majority of schemes; 1 scheme (6%) was found non-functional because of canal bed level at intake being higher than ponded water level during drier seasons. Detail of non-functional schemes is presented in Table 6.

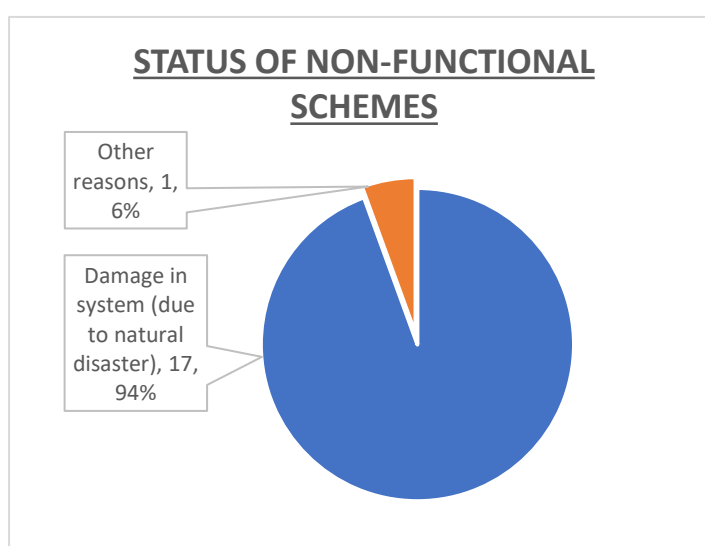


Fig 4: Status of non-functional schemes

Table 6 : Detail of damages and major action on non-functional schemes

# Of Nonfunctional Scheme	Causes of damage	Damage Details	Actions taken for Restoration
17	Floods due to heavy rainfall	Intakes damaged in 17 schemes, necessitating major repair in 15 schemes and minor repair in 2 schemes	No action has been taken yet.
1	Others	Gabion boxes protecting the earthen embankment has been toppled, and heavy seepage occurs through it. Need to replace by concrete walls with cutoffs.	WUA has requested to LGs for assistance

7.2 Water Users Associations' Institutional Status

Water Users' Associations (WUAs) are community-based, non-profit institutions formally registered with the local government prior to scheme implementation. They play a central role in both the implementation and the long-term operation and maintenance (O&M) of irrigation schemes. Key responsibilities include annual renewal and audits, proper record management, regular meetings, preparation of O&M plans, collection and management of O&M fees, operation of the system, and ensuring routine system maintenance. These functions were used as the major monitoring parameters for this survey, the results presented below.

7.2.1 Renewal status of WUAs

Fig 5 represents the renewal status of WUAs. The survey revealed that, only 47 (26%) Water Users' Associations (WUAs) renewed their registration in local governments, among 183 sample schemes. However, of them, only 19% have been renewing in regular basis; remaining 7% WUAs are not consistent in renewal process.

Majority of WUAs (136 schemes - 74%) have not renewed their registration since last two years.

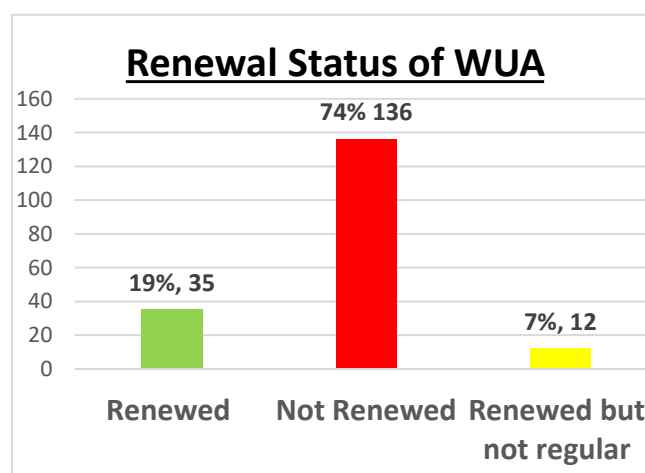


Fig 5. Renewal status of irrigation scheme

The assessment revealed the major reasons for non-renewal of irrigation schemes were inactiveness of WUAs, WUAs not finding it mandatory and lack of fund for audit process, in that order. In addition, inability to complete the audit process was another triggering factor for non-renewal of WUAs.

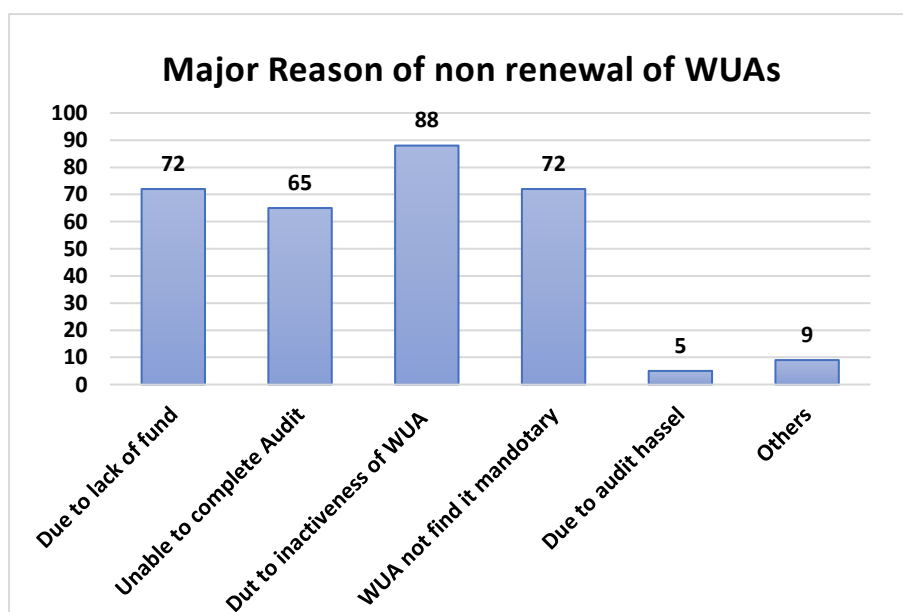


Figure 6: Major reason of non- renewal of schemes

7.2.2 Annual Audit Status of WUAs

Annual audits, a prerequisite for renewal, were completed by only 21% of WUAs, while the

majority 79% did not comply. The low rate of completion is linked to several interrelated challenges.

The most frequently cited reason was the inactiveness of WUAs (96 cases), reflecting weak institutional functionality and limited member participation. Financial constraints were the second major barrier (78 cases), as many WUAs lacked sufficient funds to cover audit expenses. In addition, in 69 schemes, WUAs and users did not consider audits mandatory, underscoring low awareness of compliance requirements and weak enforcement from authorities.

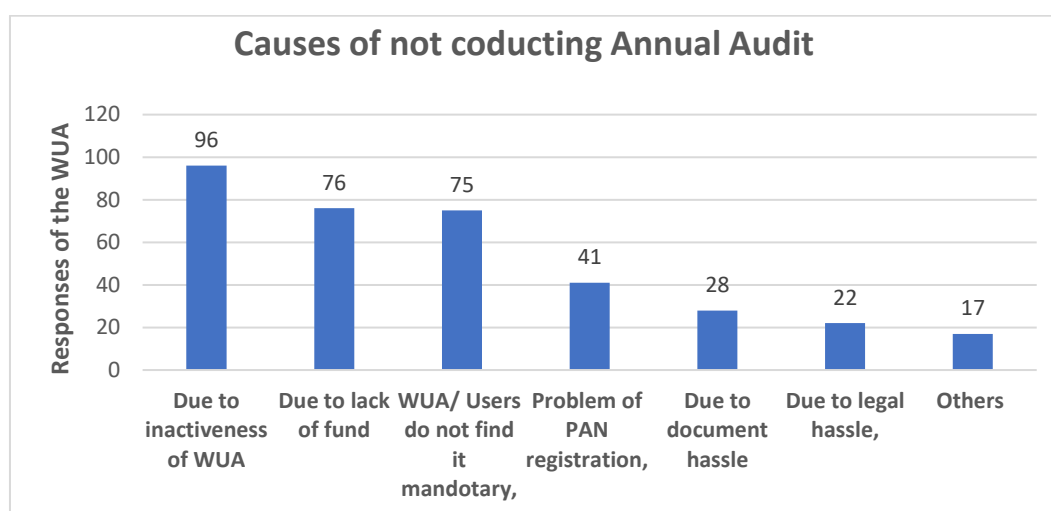


Fig: 7 Causes of not conducting Annual Audit

7.2.3 WUAs conducting Regular Meetings

Fig 8 represents the meeting status of WUAs of 183 schemes of the survey. It shows that, 41 (22%) WUAs have been conducting regular meetings, whereas 142 (78%) WUAs have not been conducting regular meetings. The survey shows that 65% WUAs have been conducting meetings as per need.

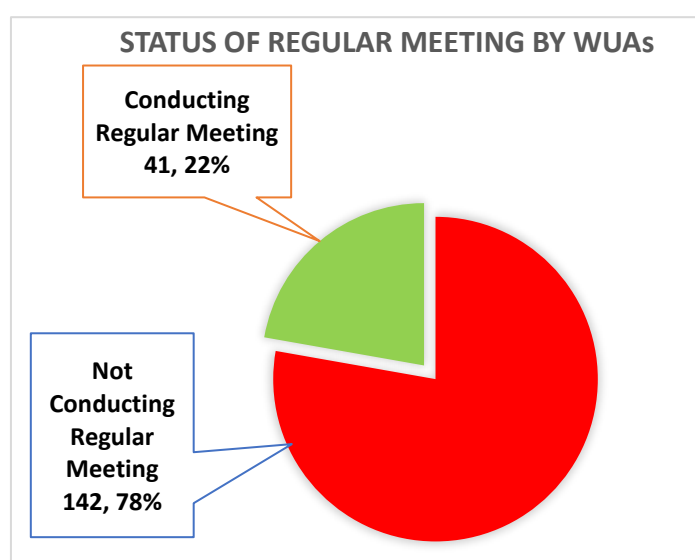


Fig 8. Regular Meeting Status of WUA

7.2.4 Proper documentation Status of WUAs

Documentation practices among WUAs were generally satisfactory. 74% of WUAs maintained essential records, including meeting minutes, financial and expense records, bank transaction documents, O&M fund collection records, and legal documents such as registration certificates, PAN, audit reports, and tax clearance certificates. However, 26% of WUAs did not maintain systematic documentation, which may affect the sustainability of WUA as an institution. In the study, the major causes of not maintaining documentation were identified as

inactiveness of WUA and users, lack of fund, confusion in responsibility in that order.

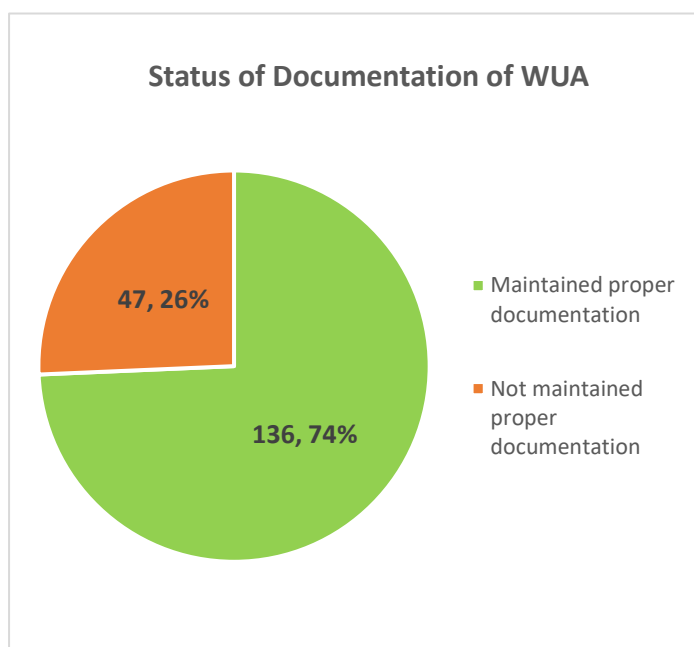


Fig 9. Status of documentation of WUAs

7.3 Operation and Maintenance (O&M) Status

Operation and maintenance are key indicators of an irrigation scheme's functionality and sustainability. Key O&M activities carried out by WUAs include: preparation of O&M plan, equitable collection of O&M fees, management of O&M funds, and deployment of O&M workers. The survey assessed and analyzed the status of these activities, and the results are presented below.

7.3.1 Preparation of operation and maintenance Plan (O&M Plan) by WUAs

Survey result revealed that only 23% WUAs prepared O&M plan whereas 77% relied on traditional practices. The survey also identified the reasons of not preparing O&M plan.

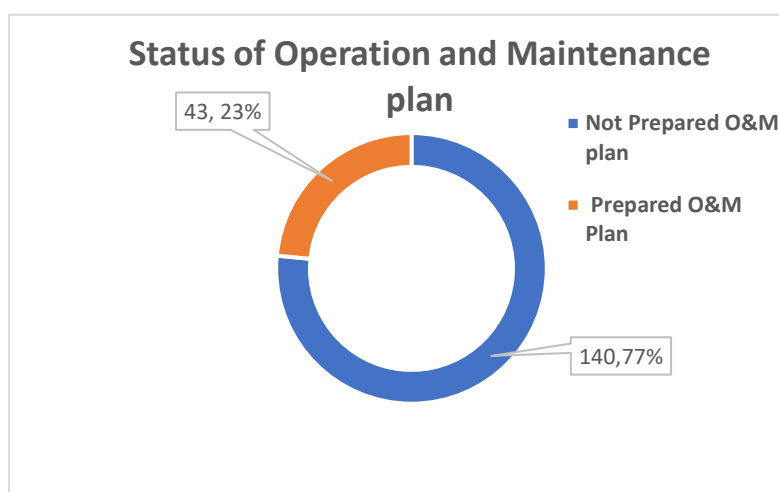


Fig 10. Operation and Maintenance Status of WUAs

Survey results as depicted in Fig 11 shows that adopting traditional practices for O&M of canal system and inactiveness of WUAs are the major reasons, followed by lack of users' support and users' and WUAs' perception that this activity is not mandatory for the scheme functionality and sustainability

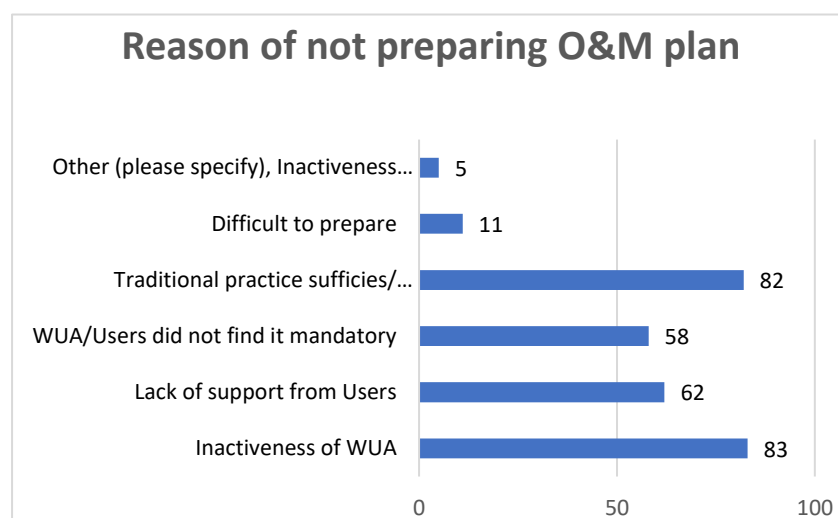


Fig 11. Reason and frequency of reason for not preparing O&M Plan

7.3.2 Collection of O&M fees by WUAs

Collection of O&M fees from users of Irrigation schemes by WUA executive members is one of the important activities for the sustainability of the schemes; it makes possible the hiring of maintenance worker and, more importantly, the planning and actual carrying out of the operation and maintenance of schemes.

The result of the study is presented below in **Fig.12**. It shows that 87% WUAs have not been collecting O&M fee, while 13% are collecting it.

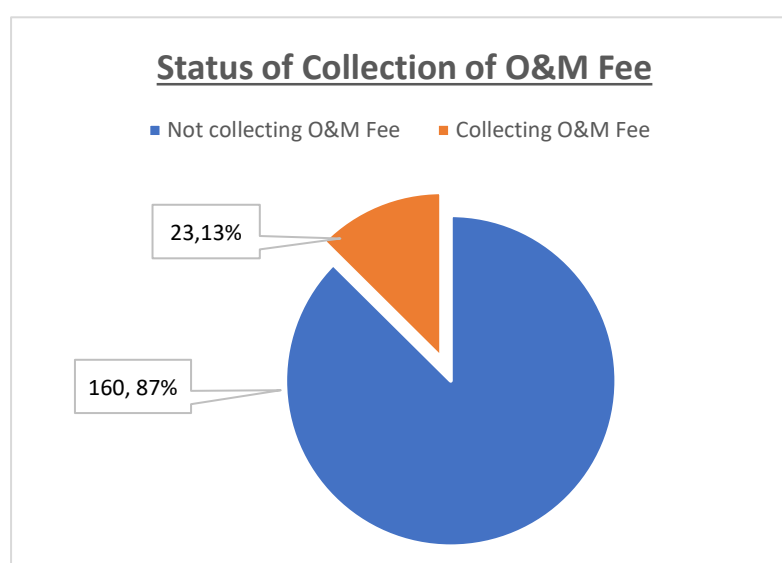


Fig 12. Status of collection of O&M fee by WUA

However, the below Table 7 presents the status of available O&M fund that have been collecting fees.

Table 7: Status of available O&M fund by WUAs in irrigation schemes

Amount collected in O&M Fund (In NRs)	Number of schemes
< 5,000	2
5,000-10,000	4
10,001 – 15,000	1
15,001 – 20,000	1
20,001-30,000	1
30,001-50,000	5
50,001-70,000	6
70,001-100,000	5
> 100,000	1
Total	26

Table 8 : Major reasons for not collecting O&M fees by WUAs

Major Reason for Not Collecting O&M Fees	No of Schemes	Number of Responses	Percentage (%)
Users not ready to pay	160	100	63
WUAs not interested to collect fee	160	90	56
Think not necessary (collecting as and when required)	160	89	56
Difficult to plan (assess rate, timing)	160	22	14
Difficult to maintain accounts/plan	160	19	11
Other reasons	160	12	7.5

Table 8 presents the reasons why Water Users' Associations (WUAs) do not collect Operation and Maintenance (O&M) fees. The survey identified six major reasons for the non-collection of O&M fees. Among these, the most common reason was the lack of users' willingness to pay, followed by the limited interest of WUAs in collecting the fees. WUAs and users not finding necessary the collection of the fees regularly was another prominent reason.

The findings suggest that the institutional capacity of WUAs plays a critical role in ensuring the effective implementation of rules and regulations for mandatory O&M fee collection. The survey further indicates that weak institutional arrangements within WUAs have contributed to users' reluctance to pay O&M fees, highlighting the need to strengthen WUA governance, accountability and enforcement mechanisms.

7.3.4 Assignment of O&M Worker

Fig 13 represents the status of O&M worker in 183 surveyed schemes. The study found that in total 183 sample schemes, 18% WUAs have assigned dedicated O&M workers for the regular operation and maintenance of schemes, whereas in 69% of schemes, users contribute themselves on a rotational basis for running, cleaning and maintaining the schemes; in remaining 13% schemes, operation and maintenance is carried out on an ad-hoc basis, without salary.

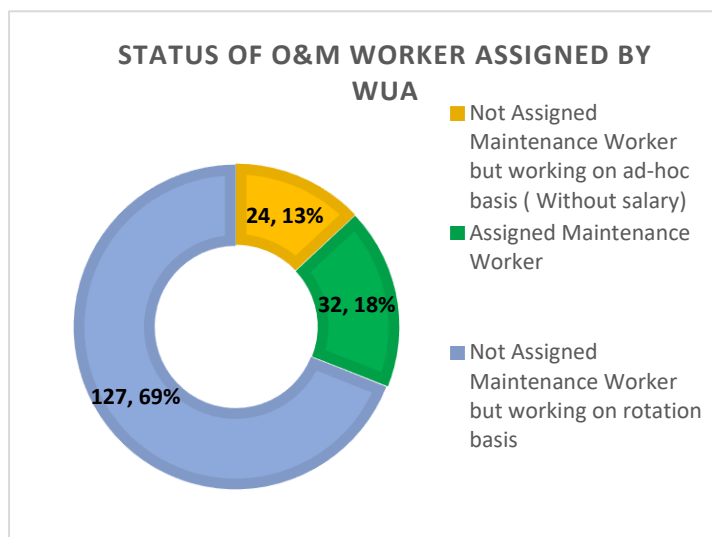


Fig 13. Status of O&M Worker Assigned by WUA

7.4 Service Delivery Status of Irrigation

7.4.1 Measurement of available source discharge

The service delivery of an irrigation scheme depends on the canal system's discharge. During the survey, source discharges of 183 schemes were measured either at the source, or at the beginning or end of canal idle length. The discharge measurement and expected temporal flow distribution of source rivers of these schemes, analyzed at the feasibility stage are found to tally largely with actual observations made during STM survey. Table below shows that in 157 (86%) schemes, discharges available at the sources at the time of survey are found to be sufficient to meet the demand of proposed cropping pattern devised at the time of design. Of the remaining 26 (14%) schemes, sources of 5 (~3%) schemes could cater for 75% of the designed need, while 6 (~3%) could fulfil about 50% need only. A considerable number of schemes (11 schemes -

6%) contained no water whatsoever, at the time of survey. Users of ten such schemes hinted that the source has been drying up over the years, or has decreased in this year only. An important cause of less available discharge measured during the survey is the diversion of source water for other purposes, or into other upstream schemes at the time.

Summary of available discharge measured during the survey, expressed as percentage of expected (design) discharge at the time of survey, is presented below in **Tables 9A**.

Table 9A: Availability of Source Discharge as Percentage of Design Discharge

Available Discharge, as a Percent of Designed Discharge	Scheme Count	
	No.	%
Equal to or more than 100%	157	86%
Equal to or more than 75%	5	3%
Equal to or more than 50%	6	3%
Equal to or more than 25%	3	2%
Equal to or more than 10%	1	1%
No discharge	11	6%
Total	183	100%

Status of source streams over the years has been presented in **Table 9B**.

Table 10B: Status of Source Discharge over the Years

Description	Scheme Count	
	No.	%
Source discharge is constant	128	70%
Source discharge has decreased this year only	17	9%
Source discharge has been decreasing over the years	29	16%
Source discharge seems less because it is being used for other purposes	9	5%
Total	183	100%

Combination of results of **Table 9A** and **Table 9B** is shown in **Table 9C**.

Table 11C: Summary of Tables 9A and 9B

Description	Measured Discharge as a percent of Design Value						
	100%	75%	50%	25%	10%	0%	Total
Source discharge is constant	117	4	2	3	1	1	128
Source discharge has decreased this year only	13	0	1	0	0	3	17
Source discharge has been decreasing over the years	19	1	2	0	0	7	29
Source discharge seems less because it is being used for other purposes	8	0	1	0	0	0	9
Total	157	5	6	3	1	11	183

Detail of design discharge versus discharge available at the source at the time of survey is presented in table, **Annex 5**.

7.4.2 Users' Satisfaction on service delivery

In the survey, users' satisfaction from the irrigation schemes was collected through discussion with users of the schemes, where satisfaction level was measured on the basis of the parameters: maintenance work, water distribution and operation system. **Fig 14** presents the satisfaction status of users. Results show that, 91% users are satisfied from the service delivery of schemes, whereas 9% users expressed their dissatisfaction; the dissatisfaction was in regard to maintenance work as well as operation of the systems.

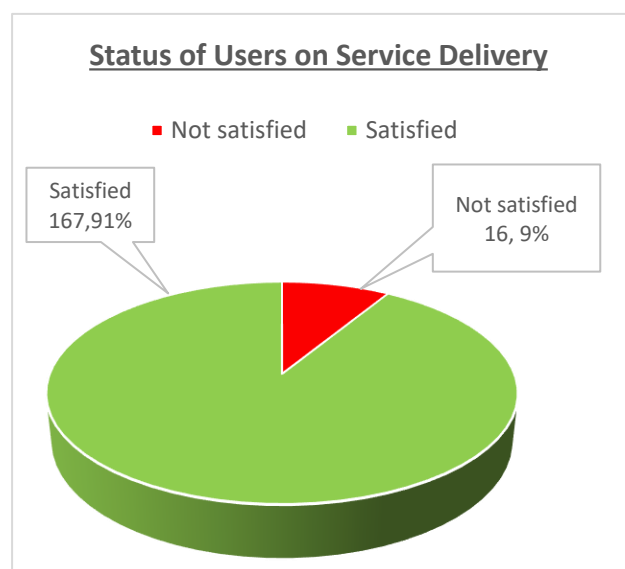


Fig 14. Status of Users Satisfaction

7.4.3 Water distribution Policy and Irrigation Schedule

Water users' associations need to prepare water distribution policy and irrigation schedule for the distribution of water in equitable manner over the whole command area. Together, these two (policy and schedule) help in providing the water service to users as per users' need. This survey result shows that 27 schemes (15%) have documented water distribution policies, whereas 67 schemes (37%) follow policies, but are not documented; the rest of the schemes have not formulated any policy yet. Survey results show that irrigation schedules have been prepared by 47% of the total 183 surveyed schemes.

7.5 Support from other agencies

The assessment examined the role of external agencies in supporting the maintenance of irrigation schemes during the three years following project completion. These agencies included NGOs, INGOs, Local Governments, and Provincial Governments. The survey found that 17 (9%) out of 183 irrigation schemes received maintenance support from external agencies during this period. List of these 17 schemes is presented in **Annex 4**. The types of agencies that provided support to these schemes, along with the nature of the support and the corresponding financial amounts, are summarized in **Table 10A, 10B** and **10C** respectively.

Table 12A : Detail of supporting agencies

Type of Support Agency	No of schemes receiving support
Local Government support	7
Province Government support	5
Other (NGO/INGO/Social Organization support)	5
Total	17

Table 13B : Detail of type of support received

Type of Support Received	No of schemes receiving support
Financial support	11

Kind Support (construction material like, pipe, cement, rod, etc)	3
Technical Support (maintenance of irrigation scheme)	3
Total	17

Table 14C : Detail of amount of support

Financial Support (In NRS)	No of schemes receiving support
< 100,000	1
100,000 – 200,000	4
200,001-500,000	1
500,001-1,000,000	2
1,000,001- 2,000,000	2
>2,000,000	1
Total	11

8. Analysis and Discussion

The Short-Term Monitoring (STM) Survey, conducted between 8th April and 1st June, 2026 assessed the functionality status, institutional strength of WUA, operation and maintenance systems (O&M Plan, O&M fee collection, provision of maintenance worker), service delivery status, (policy and rule for the service delivery), and also the external support received in 183 irrigation schemes sampled from 338 schemes completed in fiscal year 2079/80 under the Small Irrigation Programme (SIP). The survey, conducted through the mWater application and participatory discussions with Water Users' Associations (WUAs) and community members, provides critical insights into the post-construction performance and sustainability of irrigation systems.

The survey results show that 165 (90%) schemes are functional after three years of construction completion; out of 90% functional schemes, 129 (70%) schemes are fully functional whereas 36 (20%) schemes are partially functional due to various reasons: not adequate water in source, damage by natural disaster and damage due to users'/WUAs' inactiveness in maintenance.

Regarding the institutional status of WUAs, the survey shows lack of institutional capacity of WUAs. Only 19% of WUAs have renewed their registration regularly in the past three years. Renewal is contingent upon annual audits. Inactiveness of WUAs and lack of fund in WUAs are found to be major causes of not auditing, followed by users' perception of annual audit (not realized as mandatory). Only 21% of the schemes have performed annual audits.

Similarly, WUAs of only 41 schemes (22%) were found to conduct regular meetings. However, WUAs of remaining 142 schemes (78%) reported that they hold meetings as per need. On a positive note, WUAs of 74% of schemes were found to maintain proper documentation. This provides a foundation for future institutional strengthening.

The survey findings raise concerns about the O&M practices. Only 23% of schemes have developed O&M plans, the rest relying on traditional practices. Reasons for non-planned O&M include WUAs' and users' inactiveness, lack of awareness, and a perception that such planning is unnecessary when ad-hoc plans suffice.

Survey data regarding O&M fee collection shows that a mere 23 (13%) schemes reported collecting such fees. Major reasons for non-collection include lack of users' readiness to pay, low interest on part of WUAs to collect the fee, and the belief that fees should be collected only when needed.

For the regular maintenance and operation of the irrigation systems, WUAs of only 18% of schemes have been assigning O&M workers. In the other hand, 13% of the schemes adopted the ad-hoc practice of volunteering themselves; the rest 69% of the schemes have not been assigning maintenance workers; they are working in rotation basis as and when required.

To assess the level of irrigation service delivery, available source discharges were measured. These were then compared to the discharge expected during scheme design at this time of the year, based on which cropping patterns were proposed. It was found that in 86% of the schemes, available discharge was more than required. While 6% of schemes contained water to cater for more than 50% of the design needs, 2% could only cater for less than 50% of the needs. 6% schemes had no water in the source at the time of survey. It was reported that source discharge has been gradually drying up over the years, and in some instances, source water was being diverted for other purposes or into other irrigation systems upstream.

The level of users' satisfaction with irrigation services is relatively high, with users of 91% of schemes imparting positive feedback. This suggests that where water is available and systems are intact, service delivery meets local expectations. However, 9% of users expressed dissatisfaction on the grounds of scheme maintenance, water distribution, operation and users' contribution. Formal mechanisms of water allocation are lacking in most of the schemes.

In last three years, 17 (9%) schemes received external support for scheme maintenance. Most of the supports came from local and provincial governments and NGOs and INGOs. Financial support was the most common form of support received, used primarily for replacing earthen canals with concrete, extension of canal system, repairing intakes of the canal system whereas support in kind was offered in the form of construction materials. Another category of support received was the technical support.

In summary, the short-term monitoring survey shows that the target of the Small Irrigation Programme to ensure at least 90% of built schemes are functional well after three years of completion, and 80% of WUAs establish a fund for operation and maintenance and major repairs through equitable collection of water service fees has been met in terms of functionality, but not in terms of O&M aspects, which is far below the target. Weak institutional systems are to be blamed.

9. Recommendation

Based on the findings and analysis of result of survey on sample 183 irrigation schemes completed in FY 2079/80, recommendations are proposed to improve scheme functionality, ensure sustainability, and strengthen Water Users' Associations (WUAs). Recommendation of the study is done in 3P approach (Political, Policy and Programmatic) based on the nature of findings. As the result shows, major actions should address the issues of weak institutional capacity of WUA, lack of operation and maintenance plan and fund, weak mechanism of O&M fee collection.

Field of recommendation	Political Action	Policy Action	Programmatic Action
a) Strengthening the Institutional capacity of WUA	Formulation of rules for facilitation by LGs in WUA audit and renewal	Policy for facilitation of audit and renewal by LGs	Orientation and capacity enhancement programs for WUA on institutional development
a.1) Regular Annual Audit process			
a.2) Renewal of Water users association			
a.3) Activeness of WUA executive committee			
a.4) Proper documentation and institutional setup for the sustainability of WUA			
b) Regular collection of Operation and Maintenance fee	Formulation of operation and maintenance policy	Intervention by LGs for compulsory contribution by individual users in scheme O&M fund (e.g. making regular contribution in the fund a prerequisite for land transactions like land revenue)	Orientation program during irrigation scheme implementation and follow up program in certain interval of time
c) Maintenance of irrigation schemes	Decision for maintenance budget only after 3 years of completion	Formulation of policy for establishment of O&M fund at LG and PG level (if possible, at the FG level also), with set of rules for depositing a certain percentage of total O&M fund raised by WUAs, distribution of this fund to schemes and mode of expenditure	O&M training to WUAs (ongoing)

10. Conclusion

The Short-Term Monitoring (STM) Survey assessed the physical functionality of 183 irrigation schemes out of the 338 schemes completed under the Small Irrigation Programme (SIP) in FY 2079/80. The findings demonstrate that the majority of the completed schemes remain operational, reflecting the overall effectiveness of the programme in delivering sustainable irrigation infrastructure. Among total surveyed 183 irrigation schemes, 165 (90%) surveyed schemes were found to be functional. Overall, 129 (70%) schemes were found to be fully functional, with adequate water available at the source for uninterrupted diversion into canals, while 36 (20%) schemes, though functional but not fully functional due to damage in system by natural disaster (i.e. heavy rainfall and floods) and source drying issues. Out of these 36 schemes, 9 schemes had less discharges than designed at the time, which can be rectified through re-devising the initially proposed cropping patterns to suit the present condition. However, the reasons behind discharges being less should be investigated first, like, there may be multiple schemes using the same source within the sub-basin at the time of survey. In the survey, 10% percentage of schemes were identified as non-functional, almost all due to external disturbances such as floods during the survey.

On the other hand, the survey highlighted significant weaknesses in the institutional and operational management of the irrigation schemes. Although most schemes remain physically functional, the performance of Water Users' Associations (WUAs) in fulfilling their management responsibilities remains weak. Only 19% of WUAs regularly renew their registration, 21% conduct annual financial audits, and 23% have prepared formal operation and maintenance (O&M) plans. Furthermore, only 13% of WUAs regularly collect O&M fees, raising serious concerns about the long-term financial sustainability and effective management of the irrigation systems.

These findings indicate that while investments in physical infrastructure have yielded positive results, institutional sustainability has not progressed at the same pace. Weak governance, inadequate financial management, and the absence of systematic operation and maintenance mechanisms increase the risk in sustainability of the irrigation system in long run. Addressing these gaps will require targeted capacity-building support for WUAs, promotion of regular financial audits, establishment of transparent and equitable O&M fee collection systems, and development of clear water distribution and maintenance procedures.

In addition, stronger policy and institutional support from local governments is essential to ensure the long-term sustainability of the irrigation schemes. Local governments should develop and implement policies that promote sustainable operation and maintenance planning, establish dedicated mechanisms for O&M financing, and provide regular technical and institutional support to WUAs. Such interventions would encourage WUAs to prepare and implement O&M plans, mobilize adequate maintenance funds, and manage irrigation systems more effectively and sustainably.

Annex 1: Questionnaire of the Short-term Monitoring Survey

SN	Survey questionnaires	Responses	Question Types/notes
A.	General Information		
1	Date of Survey		
2	Cluster/Organization Name	a) Dhankuta Cluster b) Fikkal Cluster c) Okhaldhunga Cluster d) Udayapur Cluster e) PMISC, Biratnagar	
3	Name of Enumerator (Surveyor)		
4	Position of Enumerator (Surveyor)	a) Senior Technical Officer b) Technical Officer c) Irrigation Engineer d) Planning and Monitoring Officer e) Trainee Engineer f) Others (PMSSS, SIE, MIS/GISS)	
B.	Scheme Identification		
5	Province	Koshi Province	
6	District	8 Districts	
7	Palika	59	
8	Ward #	1 to 20	
9	Scheme Name#		
10	Scheme code#		
11	Completion Year (FY)	FY 2078/79	
12	Scheme/site location	GPS	
13	Total Beneficiary Households		
14	Total Cultivated Command Area (CCA) in hectare		
15	Respondents met during survey	a) WUA Members (Number)	

SN	Survey questionnaires	Responses	Question Types/notes
		b) Ward Chairperson	
		c) Ward Member	
		d) Users (Number)	
		e) Others	
C.	Functionality Status		
16	Is the scheme functional? (Hint: Functional scheme refers to those schemes, where water is available at source and can be diverted into canal if required)	a) Yes	
		b) No	
	If option a) Yes, Go to Question #18		
	If option b) No, Go to Question #17		
17	What are the reasons behind scheme being non-functional?	a) Source drying (no water in source)	
		b) Due to damage in system (canal/structure)	
		c) Due to natural disaster (scheme damaged fully)	
		d) Others	
18	What is the physical functionality status of the INTAKE structure? (Intake includes weir, settling basin, escape, trash rack)	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		
19	What is the physical functionality status of the EARTHEN CANAL structure?	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		

SN	Survey questionnaires	Responses	Question Types/notes
20	What is the physical functionality status of the DOUBLE SIDE LINING (DSL) CANAL structure?	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		
21	What is the physical functionality status of the PIPE CANAL structure?	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		
22	What is the physical functionality status of the SUPER PASSAGE structure?	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		
23	What is the physical functionality status of the AQUEDUCT structure?	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		
24	What is the physical functionality status of the CABLE CROSSING structure?	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	

SN	Survey questionnaires	Responses	Question Types/notes
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		
25	What is the physical functionality status of the VILLAGE ROAD BRIDGE (VRB) structure?	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		
26	What is the physical functionality status of the DISTRIBUTION BOX structure?	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		
27	What is the physical functionality status of the OUTLETS structure?	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		
28	What is the physical functionality status of the RETAINING (GABION/MASONRY) structure?	1. Fully functional 2. Functional but need minor repairs 3. Non-functional with major repair required 4. Not Applicable	
	If selected options 2 or 3, please provide details of repair required in comment section		
	Provide photos		
D.	WUA Institutional Development		
29	Is WUA renewed in last three years?	a) Yes	

SN	Survey questionnaires	Responses	Question Types/notes
		b) No	
	If option a) Yes, Go to Question #31		
	If option b) No, Go to Question #30		
30	What is the reason for not being renewed?	a) Due to lack of fund in WUA	
		b) Unable to complete Audit	
		c) Due to inactiveness of WUA	
		d) WUA/Users does not find it mandatory	
		d) Others	
31	Is WUA conducting meeting regularly? (Monthly/Quarterly)	a) Yes	
		b) No	
	If option a) Yes, Go to Question #33		
	If option b) No, Go to Question #32		
32	Is WUA conducting meeting at least as per need?	a) Yes	
		b) No	
33	Number of meetings conducted by WUA in last year		
34	Is WUA maintaining minute of meetings? (Please check the minute book)	a) Yes	
		b) No	
35	When was the last meeting conducted by WUA?		
36	What were the agenda of the meeting? (please provide photo of minute)		
E.	Operation and Maintenance (O&M) status		
37		a) Yes	

SN	Survey questionnaires	Responses	Question Types/notes
	Has WUA been preparing Operation and Maintenance plan?	b) No	
	If option a) Yes, Go to Question #38		
	If option b) No, Go to Question #40		
38	Since when has O&M Plan being practiced?		
39	How effective has O&M plan been found?	a) Effective	
		b) Not effective	
		c) Not Implemented	
40	What is the reason for not preparing O&M plan?	a) Inactiveness of WUA	
		b) Inactiveness of Users	
		c) WUA/Users did not find it mandatory	
		c.1 traditional practice suffices	
		c.2 prepared as and when required	
		d) Difficult to prepare	
		e) Others	
41	What was the amount of upfront cash deposited?	Manually in Nrs	
42	Did WUA get support for maintenance from any agency in last three years?	a) Yes	
		b) No	
	If option a) Yes, Go to Question #43		
	If option b) No, Go to Question # 45		
43	Which agency had supported to WUA?	a) Local Government	
		b) Province Government	
		c) other agency (NGO/INGO/ Social organization)	
44	What type of support WUA received from the agency?	a) financial support	
		b) Technical Support (maintenance of irrigation scheme)	

SN	Survey questionnaires	Responses	Question Types/notes
		c) Kind Support (construction material like, pipe, cement, rod, etc.)	
	If option (a) please mention amount in Nrs	In Nrs.	
45	Apart from upfront cash, has WUA been collecting fees for operation and maintenance (O&M) fund of scheme?	a) Yes	
		b) No	
	If option a) Yes, Go to Question #47		
	If option b) No, Go to Question #46		
46	What is the reason behind not collecting O&M fund?	a) Users are not ready to pay	
		b) WUA is not interested to collect	
		c) Think not necessary (collecting as and when necessary)	
		d) Difficult to maintain account	
		e) Difficult to plan (assess rate, time etc.)	
		f) Others	
47	How regular is the O&M fund collection?	a) Regular	
		b) Irregular	
48	Modality of O and M fund collection as water service fee?	a) Cash	
		b) Kind	
		c) Others	
49	Was the collection of O and M fund equitable?	a) Yes	
		b) No	
50	For which tasks, the O&M fund is being expensed? (mention work and amount)	a) Operation (O& M worker and other)	
		b) Management (Renew, Audit and other)	
		c) Repair and Maintenance	
		d) Others	
51	Mention available O&M fund with WUA?	Manual Entry in Rupees	
52	Where is the O&M fund deposited?	a) In Bank	
		b) Cash (With WUA Member)	

SN	Survey questionnaires	Responses	Question Types/notes
		c) Loan to users (revolving fund)	
		d) Being used personally	
53	Is there O&M worker assigned by WUA in the scheme?	a) Yes	
		b) No, working on rotation basis	
		c) No, on ad-hoc basis	
	If option a) Yes, Go to Question #54		
	If option b) & c) No, Go to Question # 57		
54	Is he/she is getting wage from WUA?	a) Yes	
		b) No, working on rotation basis	
	If option a) Yes, Go to Question #55		
	If option b) No, Go to Question #57		
55	Mention the wage of maintenance worker	a) Manual Entry in Rupees per month/year b) Kg of Grain (e.g. Paddy) per month/year c) Others	
56	How is the wage managed?	a) Rupees per Month/Year per HH/Ropani b) Kg of Grain (e.g. Paddy) per month/year per HH/Ropani c) Others	
57	Has WUA been conducting annual audit?	a) Yes	
		b) No	
	If option a) Yes, Go to Question #59		
	If option b) No, Go to Question #58		
58	What is the reason behind document not being audited?	a) Problem of PAN registration	
		b) Due to lack of fund	
		c) Due to inactiveness of WUA	
		d) Due to legal hassle	
		e) Due to document hassle	
		f) WUA/ Users do not find it mandatory	
		g) Others	

SN	Survey questionnaires	Responses	Question Types/notes
59	Has WUA properly managed the documents like project book, minutes, project renewal document, financial documents (bank voucher, bank check book, Bills, other expenses bills) and other documents?	a) Yes	
		b) No	
	If option a) Yes, Go to Question #61		
	If option b) No, Go to Question #60		
60	What is the reason behind poor documents management/ record keeping	a) Inactiveness of WUA	
		b) Inactiveness of Users	
		c) lack of fund (stationary/worker/cabinet)	
		d) Confusion in responsibility	
		e) Others	
61	Has WUA maintained the records of O&M fund, including the ones received in kind (labor, grains, materials like cement etc.)?	a) Yes	
		b) No	
	If option a) Yes, Go to Question #63		
	If option b) No, Go to Question #62		
62	What is the reason behind poor documents management/ record keeping?	a) Inactiveness of WUA	
		b) Inactiveness of Users	
		c) lack of fund (worker/Store)	
		d) Confusion in responsibility	
		e) Others	
F.	Service delivery		
63	Has WUA prepared Water Distribution Policy?	a) Yes	
		b) No	
	If option a) Yes, Go to Question #65		
	If option b) No, Go to Question # 64		
64	What is the reason behind not preparing Water Distribution Policy?	a) Inactiveness of WUA	
		b) Inactiveness of Users	

SN	Survey questionnaires	Responses	Question Types/notes
		c) WUA/ Users did not find it mandatory	
		c.1 traditional practice suffices	
		c.2 prepared as and when required	
		d) Difficult to prepare	
		e) Others	
65	How effective is the Water Distribution Policy?	a) effective	
		b) not effective	
		c) not being implemented	
66	What is the mode of water distribution to users?	a) Continuous supply	
		b) Rotation basis	
		c) As per demand of Users	
		d) Others	
67	What is the basis/criteria of water distribution to users?	a) On the basis of cropped land area	
		b) Equally to all household	
		c) On the basis of type of crops grown	
		d) Others	
68	Is water distribution (irrigation) schedule prepared and being implemented?	a) Yes	
		b) No	
	If option a) Yes, Go to Question #70		
	If option b) No, Go to Question #69		
69	What is the reason behind not preparing irrigation schedule?	a) Inactiveness of WUA	
		b) Inactiveness of Users	
		c) WUA/ Users did not find it mandatory	
		c.1 traditional practice suffices	
		c.2 practice on ad-hoc basis	

SN	Survey questionnaires	Responses	Question Types/notes
		d) Difficult to prepare	
		e) Others	
70	How effective is the irrigation schedule? (Hint: to be asked with users)	a) effective	
		b) not effective	
		c) not being implemented	
71	Are you satisfied with the service delivery from the system? (Hint: to be asked with users)	a) Yes	
		b) No	
	If option a) Yes, Go to Question #73		
	If option b) No, Go to Question #72		
72	What are the reasons of dissatisfaction?	a) Water distribution not effective	
		b) Maintenance work is not effective	
		c) Contribution (cash/kind) not rational	
		d) System operation is not effective	
		e) Others	
73	Water measurement at key points.		
	a) Source (near intake) (Unit lps)		
	b) Canal (before idle length) (Unit lps)		
	c) Canal (after idle length) (Unit lps)		
74	Have you received O&M/ ICWM Training?	a) Yes	
		b) No	
	If option a) Yes, Go to Question #75		
	If option b) No, Go to Question #76		
75	What is the outcome of this training?	a) Started to Prepare O&M Plan	

SN	Survey questionnaires	Responses	Question Types/notes
		b) Started to Prepare Irrigation Schedule	
		c) Started to Prepare Maintenance plan	
		d) Started to collect O&M fee	
		e) Started planning crop	
		f) Increased cropping intensity	
		g) started practice of crop diversification	
G.	Feedback and Recommendation		
76	Any suggestion from WUA, users on design, water distribution, O and M and service delivery?	Manually	
77	Others points to mention by Surveyor if any?	Manually	
78	Documentation (Meeting minute, photographs)	Photo	

Annex 2. Detail of Irrigation Schemes Completed in FY 2079/80

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
1	Bhojpur	Salpa Silichho Rural Municipality	1	10602SI001	Khisima Khola Bumling Kulo IP	Canal Irrigation Project	44	34
2	Bhojpur	Hatuwagadhi Rural Municipality	1	10608SI001	Pikhuwa Kulo Sinchai Yojana	Canal Irrigation Project	29	5
3	Bhojpur	Aamchowk Rural Municipality	4	10609SI003	Sichewang Sinchai Yojana Chongkha	Canal Irrigation Project	27	6.5
4	Bhojpur	Hatuwagadhi Rural Municipality	4	10608SI005	Makuwa Khola Karki Dada Dhanlakey Sinchai Yojana	Canal Irrigation Project	14	5
5	Bhojpur	Hatuwagadhi Rural Municipality	2	10608SI007	Kawa athako Kulo Sinchai Yojana	Canal Irrigation Project	24	6.5

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
6	Bhojpur	Aamchowk Rural Municipality	8	10609SI008	Kinuwa Sinchai Yojana	Canal Irrigation Project	22	8
7	Bhojpur	Hatuwagadhi Rural Municipality	1	10608SI008	Kawa Kartikey Sinchai Yojana	Canal Irrigation Project	22	5
8	Bhojpur	Arun Rural Municipality	3	10605SI008	Laguwa Khola Khukhumbe Bichari Khet IP	Canal Irrigation Project	14	4.5
9	Bhojpur	Aamchowk Rural Municipality	9	10609SI009	Lhasune Khola Sinchai Yojana Majhakhani	Canal Irrigation Project	22	8.5
10	Bhojpur	Aamchowk Rural Municipality	10	10609SI010	Thesuwa Khola Sinchai Yojana	Canal Irrigation Project	44	17
11	Bhojpur	Tyamke Maiyum Rural Municipality	1	10603SI012	Khoiwa Sarkari Kulo Marmat Timma	Canal Irrigation Project	19	19
12	Bhojpur	Arun Rural Municipality	4	10605SI012	Pokhari Kulo IP	Canal Irrigation Project	21	15
13	Bhojpur	Shadananda Municipality	3	10601SI016	Narkaule Kulo IP	Canal Irrigation Project	44	22
14	Bhojpur	Tyamke Maiyum Rural Municipality	3	10603SI017	Bulumpa Kulo Marmat	Canal Irrigation Project	45	32
15	Bhojpur	Shadananda Municipality	1	10601SI019	Pyakla Khola Dhungebesi IP	Canal Irrigation Project	16	7
16	Bhojpur	Tyamke Maiyum Rural Municipality	4	10603SI020	Okharbote Kulo Marmat Nagi	Canal Irrigation Project	177	32
17	Bhojpur	Shadananda Municipality	4	10601SI021	Yaming Besi IP	Canal Irrigation Project	21	13
18	Bhojpur	Salpa Silichho Rural Municipality	4	10602SI022	Bhirkuna Lapshephedi Gothebazar Kulo IP	Canal Irrigation Project	28	6
19	Bhojpur	Shadananda Municipality	10	10601SI023	Harka IP, Sangpang-Deurali	Canal Irrigation Project	117	28

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
20	Bhojpur	Bhojpur Municipality	10	10604SI024	Rachane CIP	Canal Irrigation Project	26	14
21	Bhojpur	Bhojpur Municipality	11	10604SI028	Katahare CIP	Canal Irrigation Project	37	25
22	Bhojpur	Bhojpur Municipality	10	10604SI030	Bhalma CIP	Canal Irrigation Project	35	24
23	Bhojpur	Tyamke Maiyum Rural Municipality	8	10603SI032	KHANGTANG KULO MARMAT GOGANE	Canal Irrigation Project	40	18
24	Bhojpur	Bhojpur Municipality	4	10604SI036	Ramite CIP	Canal Irrigation Project	81	22
25	Bhojpur	Tyamke Maiyum Rural Municipality	9	10603SI039	Baireni Kulo Marmat Bairang Lekharka	Canal Irrigation Project	41	10
26	Bhojpur	Bhojpur Municipality	2	10604SI039	Bhedikhor CIP	Canal Irrigation Project	53	13
27	Bhojpur	Bhojpur Municipality	2	10604SI040	Asarange CIP	Canal Irrigation Project	25	6
28	Bhojpur	Bhojpur Municipality	11	10604SI045	Mamlakha IP	Canal Irrigation Project	21	22
29	Dhankuta	Sahidbhumi Rural Municipality	1	10705SI001	Ghangaru Bahuni khola IP	Canal Irrigation Project	17	13.5
30	Dhankuta	Mahalaxmi Municipality	2	10701SI003	Puran tine Chautara jharna CIP	Canal Irrigation Project	123	50
31	Dhankuta	Sahidbhumi Rural Municipality	2	10705SI003	Akhuwatar Sana Sichai	Canal Irrigation Project	51	28
32	Dhankuta	Dhankuta Municipality	10	10704SI004	Majh Gaun Kulo IP	Canal Irrigation Project	19	9
33	Dhankuta	Sahidbhumi Rural Municipality	3	10705SI005	Dumbare Sana Sinchai	Canal Irrigation Project	22	6
34	Dhankuta	Mahalaxmi Municipality	5	10701SI006	Majhkulo CIP	Canal Irrigation Project	71	35

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
35	Dhankuta	Mahalaxmi Municipality	4	10701SI008	Janakalyan satahi CIP	Canal Irrigation Project	112	80
36	Dhankuta	Chhathar Jorpati Rural Municipality	1	10703SI009	Naya Ambote Kulo IP	Canal Irrigation Project	43	40
37	Dhankuta	Chhathar Jorpati Rural Municipality	2	10703SI010	Okhre Bari Pithakotha IP	Canal Irrigation Project	38	14
38	Dhankuta	Chhathar Jorpati Rural Municipality	3	10703SI011	Tis Mure Sichai Aayojana	Canal Irrigation Project	21	15
39	Dhankuta	Mahalaxmi Municipality	6	10701SI012	Takmare IP	Canal Irrigation Project	92	90
40	Dhankuta	Sahidbhumi Rural Municipality	6	10705SI012	Chyaple Raikare Sana Sichai	Canal Irrigation Project	26	7
41	Dhankuta	Sahidbhumi Rural Municipality	7	10705SI013	Sano Chimraha Sana Sichai	Canal Irrigation Project	17	10
42	Dhankuta	Mahalaxmi Municipality	6	10701SI014	Puchhar CIP	Canal Irrigation Project	53	25
43	Dhankuta	Chhathar Jorpati Rural Municipality	4	10703SI015	Dunde Kulo IP	Canal Irrigation Project	21	18
44	Dhankuta	Pakhribas Municipality	2	10702SI016	Sorha Mure Kulo IP	Canal Irrigation Project	41	22
45	Dhankuta	Chhathar Jorpati Rural Municipality	5	10703SI017	Gobindra Tole IP	Canal Irrigation Project	27	14
46	Dhankuta	Mahalaxmi Municipality	1	10701SI017	Aase Khola Aahale Maswari IP	Canal Irrigation Project	39	8
47	Dhankuta	Chaubise Rural Municipality	1	10707SI018	Dewan Kulo	Canal Irrigation Project	18	6.5
48	Dhankuta	Dhankuta Municipality	1	10704SI018	Okmalung IP	Canal Irrigation Project	42	10
49	Dhankuta	Dhankuta Municipality	1	10704SI019	Kaileni IP	Canal Irrigation Project	17	5
50	Dhankuta	Pakhribas Municipality	1	10702SI022	Hulaki Bhateri (Naya) kulo IP	Canal Irrigation Project	115	46
51	Dhankuta	Chhathar Jorpati Rural Municipality	5	10703SI022	Bahadure IP	Canal Irrigation Project	19	9

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
52	Dhankuta	Dhankuta Municipality	2	10704SI022	Mananiya IP	Canal Irrigation Project	35	12
53	Dhankuta	Chaubise Rural Municipality	7	10707SI022	Charuwa Sisne Sana IP	Canal Irrigation Project	9	5
54	Dhankuta	Mahalaxmi Municipality	2	10701SI023	Mahendra IP	Canal Irrigation Project	41	20
55	Dhankuta	Pakhribas Municipality	1	10702SI023	Adchalis Kulo Marmat IP	Canal Irrigation Project	112	38
56	Dhankuta	Chhathar Jorpati Rural Municipality	5	10703SI023	Mul Kulo IP	Canal Irrigation Project	25	9.5
57	Dhankuta	Chaubise Rural Municipality	7	10707SI023	Jyamire Sana Sichai Kulo	Canal Irrigation Project	17	5
58	Dhankuta	Pakhribas Municipality	1	10702SI024	Muhane Khairine kulo marmat	Canal Irrigation Project	131	45
59	Dhankuta	Pakhribas Municipality	2	10702SI025	Naspati Bari Kulo IP	Canal Irrigation Project	55	24
60	Dhankuta	Chaubise Rural Municipality	8	10707SI025	Bhote Khola Chure Danda	Canal Irrigation Project	21	7.5
61	Dhankuta	Mahalaxmi Municipality	4	10701SI027	Leguwa Khola Beltar IP	Canal Irrigation Project	107	46
62	Dhankuta	Dhankuta Municipality	5	10704SI027	Nibuwa Khola IP	Canal Irrigation Project	11	4.5
63	Dhankuta	Chaubise Rural Municipality	8	10707SI027	Charuwa Khola Hudai Masimtar Kulo	Canal Irrigation Project	24	8
64	Dhankuta	Pakhribas Municipality	2	10702SI028	Chanbote Kulo IP	Canal Irrigation Project	65	15
65	Dhankuta	Chaubise Rural Municipality	8	10707SI030	Charuwa Khola Hudai Laxmitar Kulo IP	Canal Irrigation Project	41	8.5
66	Dhankuta	Mahalaxmi Municipality	6	10701SI034	Sikar Kateri CIP	Canal Irrigation Project	57	42

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
67	Dhankuta	Pakhribas Municipality	4	10702SI036	Daregauda Bhandari Dalit Tole IP	Canal Irrigation Project	20	10
68	Dhankuta	Dhankuta Municipality	10	10704SI042	Mandara Tilke Chaur IP	Canal Irrigation Project	27	5.5
69	Dhankuta	Pakhribas Municipality	5	10702SI042	Dhare Kulo Marmat IP	Canal Irrigation Project	36	12
70	Dhankuta	Mahalaxmi Municipality	3	10701SI047	Chinetar IP	Canal Irrigation Project	78	17
71	Dhankuta	Pakhribas Municipality	8	10702SI057	Turunguwa Kulo IP	Canal Irrigation Project	22	35
72	Dhankuta	Pakhribas Municipality	5	10702SI069	Manirumti Aambote IP	Canal Irrigation Project	28	15
73	Terhathum	Phedap Rural Municipality	4	10802SI001	Leguwa Khola Sotang Gaun Sadaspa to Kaklabung Kulo Samdu	Canal Irrigation Project	14	16
74	Terhathum	Myanglung Municipality	5	10804SI001	Suntole Canal IP	Canal Irrigation Project	43	22
75	Terhathum	Menchhayayem Rural Municipality	2	10803SI003	Saduwa Khola Dekhi Sirise Phedi IP	Canal Irrigation Project	43	22
76	Terhathum	Chhathar Rural Municipality	1	10806SI005	Takmare IP	Canal Irrigation Project	39	10
77	Terhathum	Phedap Rural Municipality	4	10802SI005	Leguwa Khola Paipung to Sirise Besi Kulo Samdu	Canal Irrigation Project	50	13
78	Terhathum	Myanglung Municipality	5	10804SI007	Piguwa jhakrithan CIP	Canal Irrigation Project	61	17
79	Terhathum	Menchhayayem Rural Municipality	3	10803SI007	Yaksora IP	Canal Irrigation Project	38	16
80	Terhathum	Phedap Rural Municipality	1	10802SI009	Suntale Khola Muhan Dekhi Sakchuwa Besi Kulo IP, Simle	Canal Irrigation Project	36	15

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
81	Terhathum	Menchhayayem Rural Municipality	4	10803SI011	Bhotekhola Lambale Barkatero Kulo IP	Canal Irrigation Project	50	45
82	Terhathum	Phedap Rural Municipality	4	10802SI012	Leguwa Khola Bikelung Hudai Satvaiya jane Kulo IP, Samdu	Canal Irrigation Project	38	13
83	Terhathum	Myanglung Municipality	5	10804SI014	Shibthane IP	Canal Irrigation Project	65	32
84	Terhathum	Chhathar Rural Municipality	2	10806SI014	Kause Badare Irrigation Project	Canal Irrigation Project	16	5.5
85	Terhathum	Menchhayayem Rural Municipality	5	10803SI015	Surke Kulo Sinchai Yojana	Canal Irrigation Project	29	41
86	Terhathum	Laligurans Municipality	9	10805SI017	Kartike kulo IP, Purundin	Canal Irrigation Project	25	7
87	Terhathum	Menchhayayem Rural Municipality	6	10803SI017	Mengkhuwa Ghyambo IP	Canal Irrigation Project	36	16
88	Terhathum	Laligurans Municipality	5	10805SI018	Chippuwa Khola Bahundanda kulo IP	Canal Irrigation Project	27	11
89	Terhathum	Myanglung Municipality	7	10804SI023	Kuldada IP	Canal Irrigation Project	40	16
90	Terhathum	Chhathar Rural Municipality	5	10806SI023	Salbote IP	Canal Irrigation Project	58	27
91	Terhathum	Myanglung Municipality	8	10804SI025	Dharme IP	Canal Irrigation Project	61	38
92	Terhathum	Myanglung Municipality	8	10804SI028	Gaubari IP	Canal Irrigation Project	51	13
93	Terhathum	Chhathar Rural Municipality	6	10806SI028	Rana Ranage IP	Canal Irrigation Project	74	25
94	Terhathum	Chhathar Rural Municipality	6	10806SI029	Sakhma IP	Canal Irrigation Project	42	25
95	Terhathum	Myanglung Municipality	7	10804SI035	Chharchhare Basnet Gaau Kulo IP	Canal Irrigation Project	23	11

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
96	Terhathum	Myanglung Municipality	8	10804SI039	Chyangba Kulo Ip	Canal Irrigation Project	61	22
97	Terhathum	Myanglung Municipality	8	10804SI040	Kafle Kulo Ip	Canal Irrigation Project	17	6.5
98	Udayapur	Belaka Municipality	8	11401SI012	Makhwari Sichai Marmat Yojana	Canal Irrigation Project	24	6.5
99	Udayapur	Belaka Municipality	3	11401SI015	Murti Khola Sinchai Marmat Yojana	Canal Irrigation Project	54	15
100	Udayapur	Rautamai Rural Municipality	2	11404SI015	Khari Badhtari Sichai Yojana	Canal Irrigation Project	33	6
101	Udayapur	Triyuga Municipality	15	11403SI016	Kunte Khola kulo Marmat Tatha Nirman	Canal Irrigation Project	45	28
102	Udayapur	Udayapurgadhi Rural Municipality	3	11408SI017	Tawa khola simal khet jaruwa kulo	Canal Irrigation Project	34	5
103	Udayapur	Rautamai Rural Municipality	2	11404SI018	Rasuwa Dhunge Tahaari Aambote IP	Canal Irrigation Project	26	7.5
104	Udayapur	Triyuga Municipality	15	11403SI019	Adheri Karkuse Sichai Marmat Chhamling	Canal Irrigation Project	23	10
105	Udayapur	Tapli Rural Municipality	5	11406SI020	Kubinde Khola BhaisetarTallo Chatiwane IP	Canal Irrigation Project	32	7
106	Udayapur	Tapli Rural Municipality	5	11406SI021	Lati Khola Muhan Sichai Yojana Khanidada	Canal Irrigation Project	43	5
107	Udayapur	Chaudandigadhi Municipality	9	11402SI021	Bhuwan karki Sichai Yojana Tallo Sajhboyte	Canal Irrigation Project	28	9

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
108	Udayapur	Limchungbung Rural Municipality	3	11405SI021	Rakula Marse Krisak Samuha IP	Canal Irrigation Project	22	4.5
109	Udayapur	Katari Municipality	10	11407SI022	Cheepi Khola Garpa + Gahira Kharibot IP	Canal Irrigation Project	44	10
110	Udayapur	Chaudandigadhi Municipality	9	11402SI022	Marle Khola Padhero kholsi Muhanbata Sideshwori School Jane Bato Sama Sichhai Yojana	Canal Irrigation Project	30	5
111	Udayapur	Tapli Rural Municipality	1	11406SI022	Ghari Khola Mul Kul Sichai Yojana	Canal Irrigation Project	23	5
112	Udayapur	Belaka Municipality	9	11401SI022	Jasoda Khola Rampur Mul Kulo Marmat IP	Canal Irrigation Project	97	32
113	Udayapur	Tapli Rural Municipality	1	11406SI023	Tahari Kulo Seendurebesi Sichai Yojana	Canal Irrigation Project	21	5
114	Udayapur	Katari Municipality	13	11407SI024	Birutar Tari Kulo Yojana	Canal Irrigation Project	51	6
115	Udayapur	Belaka Municipality	5	11401SI024	Dadagaun Sichai Yojana	Canal Irrigation Project	49	15
116	Udayapur	Triyuga Municipality	16	11403SI024	Chuniya Gardhaney kulo Marmat Dadaparey Tole	Canal Irrigation Project	27	5.5
117	Udayapur	Rautamai Rural Municipality	3	11404SI024	Tinmure Kaidale Hudai Sisabotey IP	Canal Irrigation Project	38	5
118	Udayapur	Udayapurgadhi Rural Municipality	5	11408SI025	Mate Khola Muhangari Birauta Tallo Sichai	Canal Irrigation Project	30	5

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
119	Udayapur	Triyuga Municipality	16	11403SI025	Bengri Batara gaira sichai kulo marmat	Canal Irrigation Project	40	6.5
120	Udayapur	Chaudandigadhi Municipality	2	11402SI025	Chalise Sichhai Yojana Gangate.	Canal Irrigation Project	89	40
121	Udayapur	Katari Municipality	13	11407SI025	Mathilo Bhatere Kulo Yojana	Canal Irrigation Project	38	6
122	Udayapur	Chaudandigadhi Municipality	5	11402SI026	Sundari khola Sichai Yojana	Canal Irrigation Project	49	19
123	Udayapur	Belaka Municipality	6	11401SI028	Karambote Sichai Yojana	Canal Irrigation Project	28	12
124	Udayapur	Chaudandigadhi Municipality	8	11402SI029	Waitung Sichai Yojana	Canal Irrigation Project	25	7
125	Udayapur	Triyuga Municipality	16	11403SI030	Sidre Tallo Sichai Kulo Marmat	Canal Irrigation Project	19	9
126	Udayapur	Limchungbung Rural Municipality	2	11405SI030	Pyakhola Bakaine Karkuse Kulo marmat Samvar	Canal Irrigation Project	14	5
127	Udayapur	Belaka Municipality	8	11401SI033	Dhopa Tari Sichai Yojana	Canal Irrigation Project	31	12
128	Udayapur	Chaudandigadhi Municipality	3	11402SI034	Sirane Kulo Sichai Yojana	Canal Irrigation Project	15	5
129	Udayapur	Katari Municipality	5	11407SI036	Kali Khadi Barmajhiya Sinchai Yojana	Canal Irrigation Project	21	10.5
130	Udayapur	Katari Municipality	5	11407SI037	Tallo Barmajhiya faat Sinchai Yojana	Canal Irrigation Project	59	18.5
131	Udayapur	Triyuga Municipality	8	11403SI040	Sarswoti Khola Muhan Bhave Pul Purba Rajabas Sichai Yojana	Canal Irrigation Project	92	21

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
132	Udayapur	Rautamai Rural Municipality	6	11404SI041	Rakuli Simlay Jyamire Sichai Kulo Marmat Yojana	Canal Irrigation Project	31	5
133	Udayapur	Triyuga Municipality	8	11403SI041	Saraswoti Khola Muhan Bhaye Rajabas Tarfa Aaune	Canal Irrigation Project	51	25
134	Udayapur	Udayapurgadhi Rural Municipality	1	11408SI042	Dhamile Khola Muhan Gari tallo Bahunitar Thapa kitta aune kulo marmat	Canal Irrigation Project	21	6
135	Udayapur	Rautamai Rural Municipality	7	11404SI044	Tallo Besi Faat Sinchai Yojana	Canal Irrigation Project	45	6
136	Udayapur	Rautamai Rural Municipality	7	11404SI047	Chaga Khop Kulo Sinchai Yojana	Canal Irrigation Project	41	30
137	Udayapur	Udayapurgadhi Rural Municipality	7	11408SI064	Arney Mulkulo Sichai Yojana	Canal Irrigation Project	28	11
138	Udayapur	Udayapurgadhi Rural Municipality	6	11408SI076	Dungre Khola Muhan Gari Soli Dunga Sichai	Canal Irrigation Project	30	13.5
139	Okhaldhunga	Champadevi Rural Municipality	6	10406SI006	Dude Besi Sichai Yojana	Canal Irrigation Project	53	7.04
140	Okhaldhunga	Molung Rural Municipality	1	10403SI006	Gairikhet IP	Canal Irrigation Project	30	5
141	Okhaldhunga	Likhu Rural Municipality	3	10405SI010	Jaruwa Khola Sichai Yojana	Canal Irrigation Project	21	5
142	Okhaldhunga	Manebhanjyang Rural Municipality	9	10408SI010	Dhusini Khola Simlebesi IP	Canal Irrigation Project	43	6
143	Okhaldhunga	Molung Rural Municipality	4	10403SI010	Kakani Khola Muhan Hudai Dumse IP	Canal Irrigation Project	22	5.8
144	Okhaldhunga	Likhu Rural Municipality	3	10405SI011	Ghattekhola Muhan Chanaute Sichai Yojana	Canal Irrigation Project	18	5

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
145	Okhaldhunga	Likhu Rural Municipality	3	10405SI013	Magar Sera Majhitar Sichai Yojana	Canal Irrigation Project	27	3.8
146	Okhaldhunga	Champadevi Rural Municipality	7	10406SI013	Phedi Khola Arale Sichai Yojana	Canal Irrigation Project	32	8.3
147	Okhaldhunga	Sunkoshi Rural Municipality	8	10407SI013	Balautekhola muhan gari aambote gangreko sinchai kulo	Canal Irrigation Project	34	8
148	Okhaldhunga	Molung Rural Municipality	3	10403SI013	Pharsi Gaira Simle Chilaune IP	Canal Irrigation Project	36	5.6
149	Okhaldhunga	Likhu Rural Municipality	3	10405SI014	Timure Kholsi Nayatar Sichai Yojana	Canal Irrigation Project	26	7
150	Okhaldhunga	Khiji Demba Rural Municipality	3	10404SI015	Manekhola Majhgau Sichai Yojana	Canal Irrigation Project	39	18
151	Okhaldhunga	Khiji Demba Rural Municipality	4	10404SI016	Pelungkhola Sanjabari IP	Canal Irrigation Project	35	13.5
152	Okhaldhunga	Molung Rural Municipality	2	10403SI016	Tallotar dalit basti IP	Canal Irrigation Project	85	15.5
153	Okhaldhunga	Likhu Rural Municipality	8	10405SI017	Sakale Tallo Chiuribote Sinchai Yojana	Canal Irrigation Project	38	9
154	Okhaldhunga	Champadevi Rural Municipality	9	10406SI017	Khudurki khola muhan gari bhumethan dhuseni besi sichai yojana	Canal Irrigation Project	26	4
155	Okhaldhunga	Likhu Rural Municipality	8	10405SI018	Bhalukhop Dada Kharkha Sichai Yojana	Canal Irrigation Project	41	7

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
156	Okhaldhunga	Chishankhu Gadhi Rural Municipality	3	10401SI020	Diyalekhola Dhungana Gau IP	Canal Irrigation Project	19	5.5
157	Okhaldhunga	Molung Rural Municipality	2	10403SI021	Dude Simlekhet IP	Canal Irrigation Project	44	8.5
158	Okhaldhunga	Champadevi Rural Municipality	1	10406SI026	Khani khola Ghartigaun Sichai Yojana	Canal Irrigation Project	67	26.5
159	Okhaldhunga	Molung Rural Municipality	5	10403SI027	Bungkati Chiuribote IP	Canal Irrigation Project	38	9
160	Okhaldhunga	Siddhicharan Municipality	3	10402SI027	Adheri Naya Kulo Sichai Yojana	Canal Irrigation Project	35	13
161	Okhaldhunga	Siddhicharan Municipality	5	10402SI029	Uttisekhola Doban Sisnekhola Chuplebesi Sichai Yojana	Canal Irrigation Project	50	15
162	Okhaldhunga	Molung Rural Municipality	2	10403SI031	Jalum Juldikha kulo IP	Canal Irrigation Project	25	6.5
163	Okhaldhunga	Siddhicharan Municipality	7	10402SI031	Sallijabuk Irrigation Project	Canal Irrigation Project	24	5.5
164	Okhaldhunga	Chishankhu Gadhi Rural Municipality	1	10401SI031	Britikhola Bikas Kulo IP	Canal Irrigation Project	36	10
165	Okhaldhunga	Siddhicharan Municipality	8	10402SI032	Saurabote kulo sinchai yojana	Canal Irrigation Project	31	6
166	Okhaldhunga	Manebhanjyang Rural Municipality	3	10408SI033	Kolbote sichai kulo tatha pokhari IP	Canal Irrigation Project	41	9.5
167	Okhaldhunga	Chishankhu Gadhi Rural Municipality	2	10401SI033	Bange khola Pouwa Jyamire IP	Canal Irrigation Project	36	11.5
168	Okhaldhunga	Manebhanjyang Rural Municipality	3	10408SI034	Masar Batase Sichai Kulo Tatha Pokhari IP	Canal Irrigation Project	36	8

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
169	Okhaldhunga	Manebhanjyang Rural Municipality	3	10408SI035	Chayamlayang Dhuska Maslo IP	Canal Irrigation Project	24	6.5
170	Okhaldhunga	Manebhanjyang Rural Municipality	8	10408SI036	Bhalu Khola Sano Sichai IP	Canal Irrigation Project	25	5
171	Okhaldhunga	Champadevi Rural Municipality	6	10406SI036	Bhadaure Kattike IP	Canal Irrigation Project	50	11
172	Okhaldhunga	Chishankhu Gadhi Rural Municipality	4	10401SI037	Sernekhola Muhangari Tari Besi Samma Jani kulo IP	Canal Irrigation Project	53	9.5
173	Okhaldhunga	Champadevi Rural Municipality	6	10406SI037	Simle Khola Majhuwa IP	Canal Irrigation Project	41	5
174	Okhaldhunga	Chishankhu Gadhi Rural Municipality	5	10401SI038	Khahare khola Mahakal Besi IP	Canal Irrigation Project	18	5
175	Okhaldhunga	Champadevi Rural Municipality	7	10406SI039	Dhok Khola sirubani IP	Canal Irrigation Project	30	9.5
176	Okhaldhunga	Likhu Rural Municipality	8	10405SI039	Kahar Khola Khudurki Majuwa Sinchai Yojana	Canal Irrigation Project	45	22
177	Okhaldhunga	Manebhanjyang Rural Municipality	4	10408SI040	Polam Khet IP	Canal Irrigation Project	36	5.5
178	Okhaldhunga	Likhu Rural Municipality	8	10405SI040	Sakale khola Chintar Sichai Yojana	Canal Irrigation Project	47	5
179	Okhaldhunga	Champadevi Rural Municipality	8	10406SI041	Dhuseni Tari IP	Canal Irrigation Project	35	5.5
180	Okhaldhunga	Sunkoshi Rural Municipality	9	10407SI041	Gauthalidhunga kulo sinchai yojana	Canal Irrigation Project	56	26
181	Okhaldhunga	Sunkoshi Rural Municipality	2	10407SI042	Paranche IP	Canal Irrigation Project	32	8
182	Okhaldhunga	Champadevi Rural Municipality	8	10406SI042	Malatikhola dadapari bahunhada IP	Canal Irrigation Project	25	8

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
183	Okhaldhunga	Likhu Rural Municipality	9	10405SI042	Pokali Jharna Damai Dada Jhagare Bari Sichai Yojana	Canal Irrigation Project	67	28
184	Okhaldhunga	Sunkoshi Rural Municipality	1	10407SI043	Mate khola muhan aagri kulo IP	Canal Irrigation Project	39	6
185	Okhaldhunga	Chishankhu Gadhi Rural Municipality	1	10401SI044	Britikhoal Dihikhet IP	Canal Irrigation Project	45	6.4
186	Okhaldhunga	Manebhanjyang Rural Municipality	6	10408SI044	Pipale IP (Revised)	Canal Irrigation Project	46	8.5
187	Okhaldhunga	Champadevi Rural Municipality	1	10406SI045	Puna Khola Ghangsang Sichain Yojana	Canal Irrigation Project	19	5
188	Okhaldhunga	Champadevi Rural Municipality	1	10406SI046	Puna Khola Dharapani Sichain Yojana	Canal Irrigation Project	42	5
189	Okhaldhunga	Sunkoshi Rural Municipality	4	10407SI047	Narsing Muhangari Gyamlo IP	Canal Irrigation Project	56	5
190	Okhaldhunga	Champadevi Rural Municipality	3	10406SI049	Makuwa Khola Ratmate Sichai Yojana	Canal Irrigation Project	21	5
191	Okhaldhunga	Champadevi Rural Municipality	3	10406SI050	Silkhubesi Tallo Kulo Muhangari jetha budako ko khet IP	Canal Irrigation Project	71	14
192	Okhaldhunga	Sunkoshi Rural Municipality	6	10407SI051	Parakhola Muhan gari Mahabir IP	Canal Irrigation Project	37	6
193	Okhaldhunga	Sunkoshi Rural Municipality	6	10407SI053	Kattike Khola Muhan gari Magar tole IP	Canal Irrigation Project	46	6

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
194	Okhaldhunga	Sunkoshi Rural Municipality	6	10407SI059	Ghatta Khet muhangari magar tole IP	Canal Irrigation Project	29	5.3
195	Okhaldhunga	Sunkoshi Rural Municipality	10	10407SI062	Kholme Bhasme Muhan gari Kanle Jamune IP	Canal Irrigation Project	31	6
196	Okhaldhunga	Sunkoshi Rural Municipality	10	10407SI066	Solungkhola Muhan Bhae Bairage Sichai Kulo Yojana	Canal Irrigation Project	49	7
197	Okhaldhunga	Siddhicharan Municipality	1	10402SI079	Tunikhola Kamikhet Sichai Yojana	Canal Irrigation Project	17	5
198	Okhaldhunga	Siddhicharan Municipality	1	10402SI080	Tunikhola Hulak Khet Sichai Yojana	Canal Irrigation Project	27	19
199	Okhaldhunga	Siddhicharan Municipality	12	10402SI081	Urbe Khola IP	Canal Irrigation Project	48	19
200	Okhaldhunga	Siddhicharan Municipality	9	10402SI082	Jhagar Surma IP	Canal Irrigation Project	60	15
201	Okhaldhunga	Siddhicharan Municipality	7	10402SI087	Dolpu IP	Canal Irrigation Project	60	11
202	Okhaldhunga	Siddhicharan Municipality	7	10402SI088	Tallo Dolpu IP		56	20
203	Khotang	Khotehang Rural Municipality	1	10508SI002	Bamrang Khola Kuko Marmat IP	Canal Irrigation Project	25	7.5
204	Khotang	Diktal Rupakot Majhuwagadhi Municipality	7	10505SI015	Saruwa Jarunge Irrigation Project	Canal Irrigation Project	38	15
205	Khotang	Aiselukharka Rural Municipality	6	10502SI017	Timsine Kulo IP	Canal Irrigation Project	56	35
206	Khotang	Jante Dhunga Rural Municipality	3	10509SI025	Lingting Khola IP	Canal Irrigation Project	20	7.7
207	Khotang	Diprung Rural Municipality	4	10507SI028	Bhalukhola Irrigation Project	Canal Irrigation Project	15	5

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
208	Khotang	Aiselukharka Rural Municipality	2	10502SI032	Kalikhola Kholdu IP	Canal Irrigation Project	31	45
209	Khotang	Diktel Rupakot Majhuwagadhi Municipality	8	10505SI032	Jaljale Namuna Small Irrigation Project	Canal Irrigation Project	36	14
210	Khotang	Jante Dhunga Rural Municipality	4	10509SI034	Likwa Khola IP	Canal Irrigation Project	19	5
211	Khotang	Khotehang Rural Municipality	4	10508SI035	Jhukedhand Kane Danda IP	Canal Irrigation Project	151	90
212	Khotang	Kepilasgadhi Rural Municipality	2	10501SI037	Hatewa Sumpedada IP	Canal Irrigation Project	36	18
213	Khotang	Rawabesi Rural Municipality	4	10503SI037	Dubekholu Muhan Gari Dasmure Sichai Yojana	Canal Irrigation Project	42	5
214	Khotang	Rawabesi Rural Municipality	4	10503SI038	Dubekholu Muhan Vai Kole Sichai Yojana	Canal Irrigation Project	21	5.5
215	Khotang	Sakela Rural Municipality	4	10506SI039	Hupapu Khola Dobhan Irrigation Project	Canal Irrigation Project	20	17
216	Khotang	Kepilasgadhi Rural Municipality	3	10501SI040	Lawang Khola Lumsikha IP	Canal Irrigation Project	42	18
217	Khotang	Khotehang Rural Municipality	6	10508SI040	Dikedhunga Harlunchha Sinchai Kulo Nirman	Canal Irrigation Project	33	18
218	Khotang	Diprung Rural Municipality	7	10507SI041	Samkhola Muhan Hudai Dilachai Samman Aaune Irrigation Project	Canal Irrigation Project	62	40

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
219	Khotang	Diktel Rupakot Majhuwagadhi Municipality	11	10505SI041	Khudukhu Khola Hudai Tari Khet Samma Irrigation Project	Canal Irrigation Project	49	20
220	Khotang	Sakela Rural Municipality	2	10506SI045	Gangri Daha Rajkulo Irrigation Project	Canal Irrigation Project	36	20
221	Khotang	Sakela Rural Municipality	1	10506SI047	Pekuwa khola sichai yojana	Canal Irrigation Project	19	5.5
222	Khotang	Sakela Rural Municipality	1	10506SI049	Harappa(sabju khola) sichai kulo, dadagaun	Canal Irrigation Project	29	17
223	Ilam	Deumai Municipality	1	11004SI001	Deumai Sinchai Yojana	Canal Irrigation Project	129	98
224	Ilam	Mangsebung Rural Municipality	1	11006SI001	Satbise Sichai Yojana	Canal Irrigation Project	31	18
225	Ilam	Mai Jogmai Rural Municipality	4	11001SI001	Bange Kaijale Hudai Khamare Besi Sinchai Yojana	Canal Irrigation Project	31	9.5
226	Ilam	Sandakpur Rural Municipality	1	11002SI001	Chaitya Aalubari IP	Canal Irrigation Project	29	28
227	Ilam	Mai Jogmai Rural Municipality	5	11001SI002	Mulkhola Chaubise Aambote Sinchai Yojana	Canal Irrigation Project	25	8.5
228	Ilam	Mai Municipality	7	11008SI002	Maikhola Tamakhe Sinchai Yojana	Canal Irrigation Project	31	24
229	Ilam	Mai Jogmai Rural Municipality	6	11001SI003	Mulkhola Sisne Sombare Sinchai Yojana	Canal Irrigation Project	68	32

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
230	Ilam	Ilam Municipality	3	11003SI003	Simkharka Tintale Sinchai Yojana	Canal Irrigation Project	217	130
231	Ilam	Mai Municipality	5	11008SI004	Tangting Muhan Kumbitaar Sathimure Sinchai Yojana	Canal Irrigation Project	24	17
232	Ilam	Sandakpur Rural Municipality	1	11002SI004	Kerabari Lahsune Bichgau Sana Sichai Aayojana	Canal Irrigation Project	39	21
233	Ilam	Mangsebung Rural Municipality	1	11006SI004	Krishi Kulo Yojana	Canal Irrigation Project	40	14
234	Ilam	Mai Jogmai Rural Municipality	4	11001SI004	Soyan Khola 1 no Kulo Sinchai Yojana	Canal Irrigation Project	128	84
235	Ilam	Sandakpur Rural Municipality	2	11002SI005	Thade Khola Chureghati IP	Canal Irrigation Project	38	8
236	Ilam	Suryodaya Municipality	3	11009SI005	Katyang Khola Sichai Yojana	Canal Irrigation Project	92	50
237	Ilam	Mangsebung Rural Municipality	1	11006SI005	Katahare Sichai Yojana	Canal Irrigation Project	36	21
238	Ilam	Ilam Municipality	9	11003SI006	Lamiduواني Sana Sichai Yojana	Canal Irrigation Project	86	46
239	Ilam	Mai Jogmai Rural Municipality	2	11001SI007	Maleykhola Sataha Sichai Yojana	Canal Irrigation Project	39	38
240	Ilam	Mai Jogmai Rural Municipality	1	11001SI008	Thingekhola Bhandari Hudai Thapa Gau Sichai Yojana	Canal Irrigation Project	52	30
241	Ilam	Mai Municipality	1	11008SI008	Mai dhodrebesi sichai yojana	Canal Irrigation Project	43	28

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
242	Ilam	Mai Jogmai Rural Municipality	1	11001SI009	Surveykhola Niraula Gau Kambar Gau Rasaile Gau Tamang Gau Sichai Yojana	Canal Irrigation Project	49	25
243	Ilam	Deumai Municipality	5	11004SI009	Lyab Khola Muhan ward no.6,7 Barung Kulo	Canal Irrigation Project	51	50
244	Ilam	Deumai Municipality	5	11004SI010	Surkhe Khola Sinchai Yojana	Canal Irrigation Project	97	85
245	Ilam	Ilam Municipality	2	11003SI010	Changekhola Chitrebesi Sinchai Yojana	Canal Irrigation Project	61	50
246	Ilam	Mai Jogmai Rural Municipality	6	11001SI011	Ghalla Khola Bhangbari Naule Dada Kalansingh Sichai Yojana	Canal Irrigation Project	47	20
247	Ilam	Suryodaya Municipality	7	11009SI012	Gupti Ambi Khola Sichai Aayojana	Canal Irrigation Project	16	7.5
248	Ilam	Mai Municipality	4	11008SI014	Juwali Karkitar IP	Canal Irrigation Project	18	6
249	Ilam	Sandakpur Rural Municipality	5	11002SI014	Ottame Sana Sichai Aayojana	Canal Irrigation Project	63	35
250	Ilam	Mangsebung Rural Municipality	1	11006SI014	Hangmayak Sichai Yojana	Canal Irrigation Project	53	75
251	Ilam	Ilam Municipality	10	11003SI015	Aasalekhola Lapchagau Sinchai Yojana	Canal Irrigation Project	84	40
252	Ilam	Ilam Municipality	11	11003SI017	Chhangedovan Sinchai Yojana	Canal Irrigation Project	28	80
253	Ilam	Mangsebung Rural Municipality	1	11006SI018	Chuiribote Sichai Yojana	Canal Irrigation Project	31	22
254	Ilam	Sandakpur Rural Municipality	5	11002SI019	Bhoteni Daha Danse Maitar IP	Canal Irrigation Project	36	16.5
255	Ilam	Sandakpur Rural Municipality	5	11002SI020	Dhunga Hanne IP	Canal Irrigation Project	172	60

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
256	Ilam	Deumai Municipality	6	11004SI021	Ghatte Goredada Sinchai Yojana	Canal Irrigation Project	119	95
257	Ilam	Deumai Municipality	2	11004SI022	Sapjung Pungfung Sinchai Yojana	Canal Irrigation Project	71	29
258	Ilam	Deumai Municipality	6	11004SI023	Ghatte Khola Sisuwa Sinchai Yojana	Canal Irrigation Project	67	90
259	Ilam	Deumai Municipality	5	11004SI024	Fendewa Taari Baange Devithan Kulo IP	Canal Irrigation Project	27	20
260	Ilam	Deumai Municipality	5	11004SI025	Saapjung Singalapa Kulo IP	Canal Irrigation Project	116	62
261	Ilam	Mangsebung Rural Municipality	1	11006SI025	Amale Sichai Yojana	Canal Irrigation Project	34	9
262	Ilam	Deumai Municipality	8	11004SI027	Sirkatta Kulo IP	Canal Irrigation Project	34	20
263	Ilam	Rong Rural Municipality	5	11010SI028	Tallo Pakhagau Sinchai Yojana	Canal Irrigation Project	35	30
264	Ilam	Deumai Municipality	8	11004SI028	Faklumba Bhalubaase Kulo IP	Canal Irrigation Project	20	16
265	Ilam	Ilam Municipality	8	11003SI029	Aale kulo	Canal Irrigation Project	13	12
266	Ilam	Mangsebung Rural Municipality	2	11006SI029	Fewa IP	Canal Irrigation Project	74	50
267	Ilam	Suryodaya Municipality	1	11009SI029	Shreekhola Khatri Tharigaun Sichai Yojana	Canal Irrigation Project	50	11
268	Ilam	Deumai Municipality	4	11004SI029	Dalit gaun Devithan Chitre Kulo IP	Canal Irrigation Project	31	22
269	Ilam	Mangsebung Rural Municipality	2	11006SI030	Mul kulo Sinchai Yojana	Canal Irrigation Project	51	28

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
270	Ilam	Ilam Municipality	11	11003SI033	Ratey khola sichai yojana	Canal Irrigation Project	17	14
271	Ilam	Mangsebung Rural Municipality	2	11006SI034	Bataha Sirise Kulo Yojana	Canal Irrigation Project	23	6
272	Ilam	Ilam Municipality	11	11003SI035	Thade khola sichai yojana	Canal Irrigation Project	17	18
273	Ilam	Ilam Municipality	12	11003SI036	satke muhan sikari dada	Canal Irrigation Project	32	8
274	Ilam	Ilam Municipality	12	11003SI038	Janakalyan Ghatte Khola IP	Canal Irrigation Project	80	80
275	Ilam	Ilam Municipality	4	11003SI041	Narangkhola bhitte bich gaun hudai hydro sichai yojana(Norung Khola Bhitte Bichgau IP)	Canal Irrigation Project	63	32
276	Ilam	Mangsebung Rural Municipality	3	11006SI043	Nagdaha Sawa Khola Sichai Yojana	Canal Irrigation Project	30	14
277	Ilam	Mangsebung Rural Municipality	3	11006SI045	Mewa Khola Dumre Sichai Yojana	Canal Irrigation Project	13	4.2
278	Ilam	Ilam Municipality	2	11003SI046	Lapche khola swasthya chowki Sunaam gau sichai kulo	Canal Irrigation Project	44	26
279	Ilam	Rong Rural Municipality	1	11010SI047	Bilande IP	Canal Irrigation Project	20	13
280	Ilam	Ilam Municipality	3	11003SI048	Talkharkha Sichai Yojana (Taalkharka sichai jal upabhokta sanstha	Canal Irrigation Project	200	100
281	Ilam	Ilam Municipality	1	11003SI051	Chhoti Khola Hile Khola Phaparbaari Sichai Kulo (Sabik ward no 7)	Canal Irrigation Project	111	60

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
282	Ilam	Suryodaya Municipality	12	11009SI055	Aderi Jimikhaad Bhuteni Sichai Yojana	Canal Irrigation Project	50	42
283	Panchthar	Miklajung Rural Municipality	4	10908SI001	Aahaleni Devithan Irrigation Project	Canal Irrigation Project	33	5
284	Panchthar	Miklajung Rural Municipality	4	10908SI002	Laharebar Kulo IP	Canal Irrigation Project	43	30
285	Panchthar	Yangbarak Rural Municipality	1	10901SI002	Biruwakhola Barbote Thingepur IP	Canal Irrigation Project	16	13.5
286	Panchthar	Phidim Municipality	7	10904SI002	Namdu Kulo Sichai Yojana	Canal Irrigation Project	151	45
287	Panchthar	Yangbarak Rural Municipality	1	10901SI003	Mewakhola Sangkhen IP	Canal Irrigation Project	32	21
288	Panchthar	Falgunanda Rural Municipality	1	10905SI004	Sandhane Siran Kulo	Canal Irrigation Project	21	14.6
289	Panchthar	Falelung Rural Municipality	2	10903SI004	Change kulo IP	Canal Irrigation Project	158	50
290	Panchthar	Yangbarak Rural Municipality	2	10901SI005	Khung Khola Sarkari IP	Canal Irrigation Project	109	40
291	Panchthar	Miklajung Rural Municipality	3	10908SI006	Mil Muni Bata Sadhane Jane Kulo IP	Canal Irrigation Project	22	14
292	Panchthar	Yangbarak Rural Municipality	2	10901SI006	Tunibote IP	Canal Irrigation Project	27	15
293	Panchthar	Falelung Rural Municipality	3	10903SI007	Panawa Gayeley Kiknamdhap IP	Canal Irrigation Project	55	12
294	Panchthar	Falelung Rural Municipality	4	10903SI008	Chemphuwa Khola Gurungtaar IP	Canal Irrigation Project	85	40
295	Panchthar	Yangbarak Rural Municipality	3	10901SI010	Selejung IP	Canal Irrigation Project	31	28
296	Panchthar	Falgunanda Rural Municipality	2	10905SI010	Aagengma Lapsingey Kulo	Canal Irrigation Project	95	35

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
297	Panchthar	Miklajung Rural Municipality	5	10908SI010	Bhale Pothi Phedi Aaune Kulo IP	Canal Irrigation Project	35	10.6
298	Panchthar	Miklajung Rural Municipality	6	10908SI011	Mewa Khola Khadka Ko Ghar Hudaii Arjun Dhaka ko Ghar janney Kulo	Canal Irrigation Project	16	7
299	Panchthar	Falelung Rural Municipality	6	10903SI011	Kaneyadobhan Ogemba Irrigation Project	Canal Irrigation Project	55	20
300	Panchthar	Phidim Municipality	8	10904SI011	Kali khola mehel bote khalyangtaar IP	Canal Irrigation Project	56	25
301	Panchthar	Phidim Municipality	8	10904SI012	Ithung Khola Ghalegaun Tamakhe Sicha Yojana	Canal Irrigation Project	152	60
302	Panchthar	Miklajung Rural Municipality	6	10908SI012	Jogi Danda Jhakri Kulo IP	Canal Irrigation Project	20	26.5
303	Panchthar	Miklajung Rural Municipality	6	10908SI013	Ghumaune Daha Serjomba Kulo IP	Canal Irrigation Project	17	5
304	Panchthar	Falgunanda Rural Municipality	3	10905SI013	Fikkchu Kulomuni Kulo	Canal Irrigation Project	61	25
305	Panchthar	Yangbarak Rural Municipality	4	10901SI013	Siwakhola Jholunge IP	Canal Irrigation Project	96	30
306	Panchthar	Falelung Rural Municipality	7	10903SI014	Mabhewa Sidin Kulo IP	Canal Irrigation Project	55	5
307	Panchthar	Miklajung Rural Municipality	7	10908SI014	Thotne Khola IP	Canal Irrigation Project	75	32
308	Panchthar	Tumbewa Rural Municipality	2	10907SI014	Dumribote Sinchai Kulo	Canal Irrigation Project	17	5
309	Panchthar	Falgunanda Rural Municipality	4	10905SI015	Chuknibo Chyaplung IP	Canal Irrigation Project	75	7.5
310	Panchthar	Falgunanda Rural Municipality	4	10905SI016	Siraan Kulo Irrigation Project	Canal Irrigation Project	90	16
311	Panchthar	Falelung Rural Municipality	8	10903SI016	Basbotey IP	Canal Irrigation Project	17	14

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
312	Panchthar	Miklajung Rural Municipality	8	10908SI017	Haasari Kulo IP	Canal Irrigation Project	31	14
313	Panchthar	Falgunanda Rural Municipality	4	10905SI017	Thokwa Puchar Kulo	Canal Irrigation Project	47	40
314	Panchthar	Falgunanda Rural Municipality	5	10905SI018	Mangdemba Siran Kulo Irrigation Project	Canal Irrigation Project	31	15
315	Panchthar	Tumbewa Rural Municipality	3	10907SI019	Dhunge Kulo IP	Canal Irrigation Project	25	7
316	Panchthar	Falgunanda Rural Municipality	5	10905SI020	Masaray Kulo	Canal Irrigation Project	42	13
317	Panchthar	Tumbewa Rural Municipality	3	10907SI021	Yangkhuwa Dhobeni Kulo IP	Canal Irrigation Project	36	12
318	Panchthar	Falgunanda Rural Municipality	5	10905SI022	Jinjuwa Sichai Kulo	Canal Irrigation Project	43	9
319	Panchthar	Tumbewa Rural Municipality	4	10907SI023	Dhanapati Tar Kulo IP	Canal Irrigation Project	14	8.5
320	Panchthar	Falgunanda Rural Municipality	6	10905SI023	Kataharay Kulo IP	Canal Irrigation Project	10	8.5
321	Panchthar	Tumbewa Rural Municipality	4	10907SI024	Batase Kulo IP	Canal Irrigation Project	20	7
322	Panchthar	Tumbewa Rural Municipality	4	10907SI025	Salleri Kulo IP	Canal Irrigation Project	25	6.5
323	Panchthar	Miklajung Rural Municipality	2	10908SI025	Dhuwa Khola IP	Canal Irrigation Project	58	55
324	Panchthar	Miklajung Rural Municipality	2	10908SI026	Saalghari IP	Canal Irrigation Project	42	32
325	Panchthar	Tumbewa Rural Municipality	4	10907SI026	Sorasaya Kulo IP	Canal Irrigation Project	41	30
326	Panchthar	Falgunanda Rural Municipality	6	10905SI027	Chhorunga Muchhebung Kulo	Canal Irrigation Project	9	5
327	Panchthar	Tumbewa Rural Municipality	4	10907SI027	Chituwa Kharka Kulo IP	Canal Irrigation Project	30	6

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	Total No of HHs	CCA
328	Panchthar	Falelung Rural Municipality	3	10903SI027	Sewakhola Lumabhir Aspatal Dada Yojana	Canal Irrigation Project	77	33
329	Panchthar	Falelung Rural Municipality	5	10903SI028	Shyaldhara Sepee Sichai Yojana	Canal Irrigation Project	35	40
330	Panchthar	Tumbewa Rural Municipality	4	10907SI030	Harlabote Pipalbote Bich Kulo IP	Canal Irrigation Project	26	8.5
331	Panchthar	Tumbewa Rural Municipality	4	10907SI031	Majuwa khet kulo IP	Canal Irrigation Project	28	5
332	Panchthar	Falgunanda Rural Municipality	7	10905SI031	Naswa Kulo	Canal Irrigation Project	67	41
333	Panchthar	Miklajung Rural Municipality	5	10908SI037	Jaubari Kholsi Senkhewa Dovan Irrigation Project	Canal Irrigation Project	52	24
334	Panchthar	Miklajung Rural Municipality	6	10908SI040	Payawa Manjare Irrigation Project	Canal Irrigation Project	12	11
335	Panchthar	Miklajung Rural Municipality	2	10908SI044	Sarang Salleri Naya Kulo Irrigation Project	Canal Irrigation Project	64	40
336	Panchthar	Miklajung Rural Municipality	2	10908SI046	Borey Kulo Irrigation Project	Canal Irrigation Project	46	27
337	Panchthar	Miklajung Rural Municipality	2	10908SI047	Kataharbote Kulo Irrigation Project	Canal Irrigation Project	22	7
338	Panchthar	Miklajung Rural Municipality	2	10908SI050	Lahsune Siran Kulo Sinchai Yojana	Canal Irrigation Project	40	19

Annex 3: Sample scheme list for Short Term Monitoring Survey of fiscal year 079/080

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	CCA	Household Total No of HHs	DAG HHs	Assigned cluster for survey
1	Bhojpur	Salpa Silichho Rural Municipality	1	10602SI001	Khisima Khola Bumling Kulo IP	Canal Irrigation Project	34	44	3	Dhankuta Cluster
2	Bhojpur	Hatuwagadhi Rural Municipality	1	10608SI001	Pikhuwa Kulo Sinchai Yojana	Canal Irrigation Project	5	29	3	Udayapur Cluster
3	Bhojpur	Aamchowk Rural Municipality	4	10609SI003	Sichewang Sinchai Yojana Chongkha	Canal Irrigation Project	6.5	27	20	Udayapur Cluster
4	Bhojpur	Hatuwagadhi Rural Municipality	1	10608SI008	Kawa Kartikey Sinchai Yojana	Canal Irrigation Project	5	22	3	Udayapur Cluster
5	Bhojpur	Aamchowk Rural Municipality	9	10609SI009	Lhasune Khola Sinchai Yojana Majhakhani	Canal Irrigation Project	8.5	22	5	Udayapur Cluster
6	Bhojpur	Tyamke Maiyum Rural Municipality	1	10603SI012	Khoiwa Sarkari Kulo Marmat Timma	Canal Irrigation Project	19	19	6	Okhaldhunga Cluster
7	Bhojpur	Arun Rural Municipality	4	10605SI012	Pokhari Kulo IP	Canal Irrigation Project	15	21	4	Udayapur Cluster
8	Bhojpur	Shadananda Municipality	4	10601SI021	Yaming Besi IP	Canal Irrigation Project	13	21	6	Dhankuta Cluster
9	Bhojpur	Salpa Silichho Rural Municipality	4	10602SI022	Bhirkuna Lapshephedi Gothebazar Kulo IP	Canal Irrigation Project	6	28	18	Dhankuta Cluster
10	Bhojpur	Shadananda Municipality	10	10601SI023	Harka IP, Sangpang-Deurali	Canal Irrigation Project	28	117	12	Dhankuta Cluster
11	Bhojpur	Bhojpur Municipality	11	10604SI028	Katahare CIP	Canal Irrigation Project	25	37	9	Udayapur Cluster
12	Bhojpur	Tyamke Maiyum Rural Municipality	8	10603SI032	KHANGTANG KULO MARMAT GOGANE	Canal Irrigation Project	18	40	19	Okhaldhunga Cluster

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	CCA	Household Total No of HHs	DAG HHs	Assigned cluster for survey
13	Bhojpur	Bhojpur Municipality	4	10604SI036	Ramite CIP	Canal Irrigation Project	22	81	43	Udayapur Cluster
14	Bhojpur	Bhojpur Municipality	2	10604SI040	Asarange CIP	Canal Irrigation Project	6	25	4	Udayapur Cluster
15	Dhankuta	Mahalaxmi Municipality	2	10701SI003	Puran tine Chautara jharna CIP	Canal Irrigation Project	50	123	30	Dhankuta Cluster
16	Dhankuta	Sahidbhumi Rural Municipality	2	10705SI003	Akhuwatar Sana Sichai	Canal Irrigation Project	28	51	15	Dhankuta Cluster
17	Dhankuta	Sahidbhumi Rural Municipality	3	10705SI005	Dumbare Sana Sinchai	Canal Irrigation Project	6	22	19	Dhankuta Cluster
18	Dhankuta	Chhathar Jorpati Rural Municipality	1	10703SI009	Naya Ambote Kulo IP	Canal Irrigation Project	40	43	3	Dhankuta Cluster
19	Dhankuta	Chhathar Jorpati Rural Municipality	3	10703SI011	Tis Mure Sichai Aayojana	Canal Irrigation Project	15	21	13	Dhankuta Cluster
20	Dhankuta	Mahalaxmi Municipality	6	10701SI012	Takmare IP	Canal Irrigation Project	90	92	13	Dhankuta Cluster
21	Dhankuta	Sahidbhumi Rural Municipality	6	10705SI012	Chyaple Raikare Sana Sichai	Canal Irrigation Project	7	26	14	Dhankuta Cluster
22	Dhankuta	Mahalaxmi Municipality	6	10701SI014	Puchhar CIP	Canal Irrigation Project	25	53	5	Dhankuta Cluster
23	Dhankuta	Mahalaxmi Municipality	1	10701SI017	Aase Khola Aahale Maswari IP	Canal Irrigation Project	8	39	5	Dhankuta Cluster
24	Dhankuta	Chaubise Rural Municipality	1	10707SI018	Dewan Kulo	Canal Irrigation Project	6.5	18	13	Dhankuta Cluster
25	Dhankuta	Dhankuta Municipality	1	10704SI018	Okmalung IP	Canal Irrigation Project	10	42	19	Dhankuta Cluster
26	Dhankuta	Chhathar Jorpati Rural Municipality	5	10703SI022	Bahadure IP	Canal Irrigation Project	9	19	6	Dhankuta Cluster

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27	Dhankuta	Chhathar Jorpati Rural Municipality	5	10703SI023	Mul Kulo IP	Canal Irrigation Project	9.5	25	11	Dhankuta Cluster
28	Dhankuta	Pakhribas Municipality	1	10702SI024	Muhane Khairine kulo marmat	Canal Irrigation Project	45	131	31	Dhankuta Cluster
29	Dhankuta	Pakhribas Municipality	2	10702SI025	Naspati Bari Kulo IP	Canal Irrigation Project	24	55	26	Dhankuta Cluster
30	Dhankuta	Chaubise Rural Municipality	8	10707SI025	Bhote Khola Chure Danda	Canal Irrigation Project	7.5	21	5	Dhankuta Cluster
31	Dhankuta	Mahalaxmi Municipality	4	10701SI027	Leguwa Khola Beltar IP	Canal Irrigation Project	46	107	44	Dhankuta Cluster
32	Dhankuta	Dhankuta Municipality	5	10704SI027	Nibuwa Khola IP	Canal Irrigation Project	4.5	11	8	Dhankuta Cluster
33	Dhankuta	Chaubise Rural Municipality	8	10707SI030	Charuwa Khola Hudai Laxmitar Kulo IP	Canal Irrigation Project	8.5	41	31	Dhankuta Cluster
34	Dhankuta	Pakhribas Municipality	4	10702SI036	Daregauda Bhandari Dalit Tole IP	Canal Irrigation Project	10	20	9	Dhankuta Cluster
35	Dhankuta	Dhankuta Municipality	10	10704SI042	Mandara Tilke Chaur IP	Canal Irrigation Project	5.5	27	4	Dhankuta Cluster
36	Dhankuta	Pakhribas Municipality	5	10702SI042	Dhare Kulo Marmat IP	Canal Irrigation Project	12	36	4	Dhankuta Cluster
37	Dhankuta	Pakhribas Municipality	8	10702SI057	Turunguwa Kulo IP	Canal Irrigation Project	35	22	5	Dhankuta Cluster
38	Dhankuta	Pakhribas Municipality	5	10702SI069	Manirumti Aambote IP	Canal Irrigation Project	15	28	6	Dhankuta Cluster
39	Terhathum	Phedap Rural Municipality	4	10802SI001	Leguwa Khola Sotang Gaun Sadaspa to Kaklabung Kulo Samdu	Canal Irrigation Project	16	14	3	Dhankuta Cluster
40	Terhathum	Myanglung Municipality	5	10804SI001	Suntole Canal IP	Canal Irrigation Project	22	43	9	Dhankuta Cluster
41	Terhathum	Menchhayayem Rural Municipality	2	10803SI003	Saduwa Khola Dekhi Sirise Phedi IP	Canal Irrigation Project	22	43	14	Dhankuta Cluster

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42	Terhathum	Chhathar Rural Municipality	1	10806SI005	Takmare IP	Canal Irrigation Project	10	39	8	Dhankuta Cluster
43	Terhathum	Phedap Rural Municipality	4	10802SI005	Leguwa Khola Paipung to Sirise Besi Kulo Samdu	Canal Irrigation Project	13	50	48	Dhankuta Cluster
44	Terhathum	Myanglung Municipality	5	10804SI007	Piguwa jhakrithan CIP	Canal Irrigation Project	17	61	31	Dhankuta Cluster
45	Terhathum	Chhathar Rural Municipality	2	10806SI014	Kause Badare Irrigation Project	Canal Irrigation Project	5.5	16	2	Dhankuta Cluster
46	Terhathum	Laligurans Municipality	9	10805SI017	Kartike kulo IP, Purundin	Canal Irrigation Project	7	25	13	Dhankuta Cluster
47	Terhathum	Menchhayayem Rural Municipality	6	10803SI017	Mengkhuwa Ghyambo IP	Canal Irrigation Project	16	36	28	Dhankuta Cluster
48	Terhathum	Laligurans Municipality	5	10805SI018	Chippuwa Khola Bahundanda kulo IP	Canal Irrigation Project	11	27	4	Dhankuta Cluster
49	Terhathum	Myanglung Municipality	7	10804SI023	Kuldada IP	Canal Irrigation Project	16	40	22	Dhankuta Cluster
50	Terhathum	Myanglung Municipality	7	10804SI035	Chharchhare Basnet Gaau Kulo IP	Canal Irrigation Project	11	23	4	Dhankuta Cluster
51	Terhathum	Myanglung Municipality	8	10804SI040	Kafle Kulo Ip	Canal Irrigation Project	6.5	17	2	Dhankuta Cluster
52	Udayapur	Belaka Municipality	8	11401SI012	Makhwari Sichai Marmat Yojana	Canal Irrigation Project	6.5	24	20	Udayapur Cluster
53	Udayapur	Rautamai Rural Municipality	2	11404SI015	Khari Badhtari Sichai Yojana	Canal Irrigation Project	6	33	11	Udayapur Cluster
54	Udayapur	Triyuga Municipality	15	11403SI016	Kunte Khola kulo Marmat Tatha Nirman	Canal Irrigation Project	28	45	11	Udayapur Cluster
55	Udayapur	Rautamai Rural Municipality	2	11404SI018	Rasuwa Dhunge Tahaari Aambote IP	Canal Irrigation Project	7.5	26	10	Udayapur Cluster
56	Udayapur	Tapli Rural Municipality	5	11406SI020	Kubinde Khola Bhaisetar Tallo Chatiwane IP	Canal Irrigation Project	7	32	4	Udayapur Cluster

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	CCA	Household Total No of HHs	DAG HHs	Assigned cluster for survey
57	Udayapur	Tapli Rural Municipality	5	11406SI021	Lati Khola Muhan Sichai Yojana Khanidada	Canal Irrigation Project	5	43	12	Udayapur Cluster
58	Udayapur	Chaudandigadhi Municipality	9	11402SI021	Bhuwan karki Sichai Yojana Tallo Sajahboyte	Canal Irrigation Project	9	28	2	Udayapur Cluster
59	Udayapur	Limchungbung Rural Municipality	3	11405SI021	Rakula Marse Krisak Samuha IP	Canal Irrigation Project	4.5	22	9	Udayapur Cluster
60	Udayapur	Belaka Municipality	9	11401SI022	Jasoda Khola Rampur Mul Kulo Marmat IP	Canal Irrigation Project	32	97	58	Udayapur Cluster
61	Udayapur	Katari Municipality	13	11407SI024	Birutar Tari Kulo Yojana	Canal Irrigation Project	6	51	28	Udayapur Cluster
62	Udayapur	Triyuga Municipality	16	11403SI024	Chuniya Gardhaney kulo Marmat Dadaparey Tole	Canal Irrigation Project	5.5	27	16	Udayapur Cluster
63	Udayapur	Udayapurgadhi Rural Municipality	5	11408SI025	Mate Khola Muhangari Birauta Tallo Sichai	Canal Irrigation Project	5	30	15	Udayapur Cluster
64	Udayapur	Chaudandigadhi Municipality	2	11402SI025	Chalise Sichhai Yojana Gangate.	Canal Irrigation Project	40	89	34	Udayapur Cluster
65	Udayapur	Chaudandigadhi Municipality	5	11402SI026	Sundari khola Sichai Yojana	Canal Irrigation Project	19	49	28	Udayapur Cluster
66	Udayapur	Belaka Municipality	6	11401SI028	Karambote Sichai Yojana	Canal Irrigation Project	12	28	19	Udayapur Cluster
67	Udayapur	Triyuga Municipality	16	11403SI030	Sidre Tallo Sichai Kulo Marmat	Canal Irrigation Project	9	19	14	Udayapur Cluster
68	Udayapur	Limchungbung Rural Municipality	2	11405SI030	Pyakhola Bakaine Karkuse Kulo marmat Samvar	Canal Irrigation Project	5	14	6	Udayapur Cluster
69	Udayapur	Katari Municipality	5	11407SI037	Tallo Barmajhiya faat Sinchai Yojana	Canal Irrigation Project	18.5	59	17	Udayapur Cluster
70	Udayapur	Rautamai Rural Municipality	6	11404SI041	Rakuli Simlay Jyamire Sichai Kulo Marmat Yojana	Canal Irrigation Project	5	31	9	Udayapur Cluster

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	CCA	Household Total No of HHs	DAG HHs	Assigned cluster for survey
71	Udayapur	Triyuga Municipality	8	11403SI041	Saraswoti Khola Muhan Bhaye Rajabas Tarfa Aaune	Canal Irrigation Project	25	51	17	Udayapur Cluster
72	Udayapur	Udayapurgadhi Rural Municipality	7	11408SI064	Arney Mulkulo Sichai Yojana	Canal Irrigation Project	11	28	19	Udayapur Cluster
73	Udayapur	Udayapurgadhi Rural Municipality	6	11408SI076	Dungre Khola Muhan Gari Soli Dunga Sichai	Canal Irrigation Project	13.5	30	14	Udayapur Cluster
74	Okhaldhunga	Likhu Rural Municipality	3	10405SI011	Ghattekholo Muhan Chanaute Sichai Yojana	Canal Irrigation Project	5	18	2	Okhaldhunga Cluster
75	Okhaldhunga	Champadevi Rural Municipality	7	10406SI013	Phedi Khola Arale Sichai Yojana	Canal Irrigation Project	8.3	32	3	Okhaldhunga Cluster
76	Okhaldhunga	Khiji Demba Rural Municipality	3	10404SI015	Manekholo Majhgau Sichai Yojana	Canal Irrigation Project	18	39	31	Okhaldhunga Cluster
77	Okhaldhunga	Khiji Demba Rural Municipality	4	10404SI016	Pelungkhola Sanjabari IP	Canal Irrigation Project	13.5	35	33	Okhaldhunga Cluster
78	Okhaldhunga	Likhu Rural Municipality	8	10405SI017	Sakale Tallo Chiuribote Sinchai Yojana	Canal Irrigation Project	9	38	3	Okhaldhunga Cluster
79	Okhaldhunga	Likhu Rural Municipality	8	10405SI018	Bhalukhop Dada Kharkha Sichai Yojana	Canal Irrigation Project	7	41	20	Okhaldhunga Cluster
80	Okhaldhunga	Chishankhu Gadhi Rural Municipality	3	10401SI020	Diyalekhola Dhungana Gau IP	Canal Irrigation Project	5.5	19	2	Okhaldhunga Cluster
81	Okhaldhunga	Molung Rural Municipality	2	10403SI021	Dude Simlekhet IP	Canal Irrigation Project	8.5	44	11	Okhaldhunga Cluster
82	Okhaldhunga	Champadevi Rural Municipality	1	10406SI026	Khani khola Ghartigaun Sichai Yojana	Canal Irrigation Project	26.5	67	5	Okhaldhunga Cluster
83	Okhaldhunga	Molung Rural Municipality	5	10403SI027	Bungkati Chiuribote IP	Canal Irrigation Project	9	38	18	Okhaldhunga Cluster

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	CCA	Household Total No of HHs	DAG HHs	Assigned cluster for survey
84	Okhaldhunga	Siddhicharan Municipality	5	10402SI029	Uttisekhola Doban Sisnekhola Chuplebesi Sichai Yojana	Canal Irrigation Project	15	50	32	Okhaldhunga Cluster
85	Okhaldhunga	Molung Rural Municipality	2	10403SI031	Jalum Juldikha kulo IP	Canal Irrigation Project	6.5	25	15	Okhaldhunga Cluster
86	Okhaldhunga	Manebhanjyang Rural Municipality	3	10408SI033	Kolbote sichai kulo tatha pokhari IP	Canal Irrigation Project	9.5	41	41	Okhaldhunga Cluster
87	Okhaldhunga	Manebhanjyang Rural Municipality	3	10408SI035	Chayamlayang Dhuska Maslo IP	Canal Irrigation Project	6.5	24	23	Okhaldhunga Cluster
88	Okhaldhunga	Champadevi Rural Municipality	6	10406SI036	Bhadaure Kattike IP	Canal Irrigation Project	11	50	7	Okhaldhunga Cluster
89	Okhaldhunga	Chishankhu Gadhi Rural Municipality	4	10401SI037	Sernekhola Muhangari Tari Besi Samma Jani kulo IP	Canal Irrigation Project	9.5	53	18	Okhaldhunga Cluster
90	Okhaldhunga	Champadevi Rural Municipality	7	10406SI039	Dhok Khola sirubani IP	Canal Irrigation Project	9.5	30	5	Okhaldhunga Cluster
91	Okhaldhunga	Likhu Rural Municipality	8	10405SI039	Kahar Khola Khudurki Majuwa Sinchai Yojana	Canal Irrigation Project	22	45	12	Okhaldhunga Cluster
92	Okhaldhunga	Champadevi Rural Municipality	8	10406SI041	Dhuseni Tari IP	Canal Irrigation Project	5.5	35	4	Okhaldhunga Cluster
93	Okhaldhunga	Sunkoshi Rural Municipality	9	10407SI041	Gauthalidhunga kulo sinchai yojana	Canal Irrigation Project	26	56	7	Okhaldhunga Cluster
94	Okhaldhunga	Champadevi Rural Municipality	8	10406SI042	Malatikhola dadapari bahunhada IP	Canal Irrigation Project	8	25	11	Okhaldhunga Cluster
95	Okhaldhunga	Likhu Rural Municipality	9	10405SI042	Pokali Jharna Damai Dada Jhagare Bari Sichai Yojana	Canal Irrigation Project	28	67	13	Okhaldhunga Cluster

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96	Okhaldhunga	Chishankhu Gadhi Rural Municipality	1	10401SI044	Britikhoal Dihikhet IP	Canal Irrigation Project	6.4	45	15	Okhaldhunga Cluster
97	Okhaldhunga	Manebhanjyang Rural Municipality	6	10408SI044	Pipale IP (Revised)	Canal Irrigation Project	8.5	46	39	Okhaldhunga Cluster
98	Okhaldhunga	Champadevi Rural Municipality	1	10406SI046	Puna Khola Dharapani Sichain Yojana	Canal Irrigation Project	5	42	5	Okhaldhunga Cluster
99	Okhaldhunga	Sunkoshi Rural Municipality	6	10407SI051	Parakhola Muhan gari Mahabir IP	Canal Irrigation Project	6	37	37	Okhaldhunga Cluster
100	Okhaldhunga	Sunkoshi Rural Municipality	6	10407SI053	Kattike Khola Muhan gari Magar tole IP	Canal Irrigation Project	6	46	46	Okhaldhunga Cluster
101	Okhaldhunga	Sunkoshi Rural Municipality	6	10407SI059	Ghatta Khet muhangari magar tole IP	Canal Irrigation Project	5.3	29	27	Okhaldhunga Cluster
102	Okhaldhunga	Sunkoshi Rural Municipality	10	10407SI062	Kholme Bhasme Muhan gari Kanle Jamune IP	Canal Irrigation Project	6	31	2	Okhaldhunga Cluster
103	Okhaldhunga	Sunkoshi Rural Municipality	10	10407SI066	Solungkhola Muhan Bhae Bairage Sichai Kulo Yojana	Canal Irrigation Project	7	49	12	Okhaldhunga Cluster
104	Okhaldhunga	Siddhicharan Municipality	1	10402SI079	Tunikhola Kamikhet Sichai Yojana	Canal Irrigation Project	5	17	11	Okhaldhunga Cluster
105	Okhaldhunga	Siddhicharan Municipality	1	10402SI080	Tunikhola Hulak Khet Sichai Yojana	Canal Irrigation Project	19	27	0	Okhaldhunga Cluster
106	Okhaldhunga	Siddhicharan Municipality	12	10402SI081	Urbe Khola IP	Canal Irrigation Project	19	48	4	Okhaldhunga Cluster
107	Okhaldhunga	Siddhicharan Municipality	7	10402SI087	Dolpu IP	Canal Irrigation Project	11	60	51	Okhaldhunga Cluster
108	Okhaldhunga	Siddhicharan Municipality	7	10402SI088	Tallo Dolpu IP		20	56	39	Okhaldhunga Cluster
109	Khotang	Khotelang Rural Municipality	1	10508SI002	Bamrang Khola Kuko Marmat IP	Canal Irrigation Project	7.5	25	21	Udayapur Cluster

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110	Khotang	Diktel Rupakot Majhuwagadhi Municipality	7	10505SI015	Saruwa Jarunge Irrigation Project	Canal Irrigation Project	15	38	22	Okhaldhunga Cluster
111	Khotang	Aiselukharka Rural Municipality	6	10502SI017	Timsine Kulo IP	Canal Irrigation Project	35	56	2	Okhaldhunga Cluster
112	Khotang	Jante Dhunga Rural Municipality	3	10509SI025	Lingting Khola IP	Canal Irrigation Project	7.7	20	15	Udayapur Cluster
113	Khotang	Diprung Rural Municipality	4	10507SI028	Bhalukhola Irrigation Project	Canal Irrigation Project	5	15	11	Okhaldhunga Cluster
114	Khotang	Aiselukharka Rural Municipality	2	10502SI032	Kalikhola Kholdu IP	Canal Irrigation Project	45	31	13	Okhaldhunga Cluster
115	Khotang	Kepilasgadhi Rural Municipality	2	10501SI037	Hatewa Sumpedada IP	Canal Irrigation Project	18	36	32	Okhaldhunga Cluster
116	Khotang	Rawabesi Rural Municipality	4	10503SI037	Dubekhola Muhan Gari Dasmure Sichai Yojana	Canal Irrigation Project	5	42	16	Okhaldhunga Cluster
117	Khotang	Sakela Rural Municipality	4	10506SI039	Hupapu Khola Dobhan Irrigation Project	Canal Irrigation Project	17	20	1	Okhaldhunga Cluster
118	Khotang	Diktel Rupakot Majhuwagadhi Municipality	11	10505SI041	Khudukhu Khola Hudai Tari Khet Samma Irrigation Project	Canal Irrigation Project	20	49	42	Okhaldhunga Cluster
119	Khotang	Sakela Rural Municipality	1	10506SI047	Pekuwa khola sichai yojana	Canal Irrigation Project	5.5	19	12	Okhaldhunga Cluster
120	Ilam	Deumai Municipality	1	11004SI001	Deumai Sinchai Yojana	Canal Irrigation Project	98	129	48	Fikkal cluster
121	Ilam	Sandakpur Rural Municipality	1	11002SI001	Chaitya Aalubari IP	Canal Irrigation Project	28	29	18	Fikkal cluster
122	Ilam	Mai Jogmai Rural Municipality	5	11001SI002	Mulkhola Chaubise Aambote Sinchai Yojana	Canal Irrigation Project	8.5	25	23	Fikkal cluster

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123	Ilam	Ilam Municipality	3	11003SI003	Simkharka Tintale Sinchai Yojana	Canal Irrigation Project	130	217	78	Fikkal cluster
124	Ilam	Mai Municipality	5	11008SI004	Tangting Muhan Kumbitaar Sathimure Sinchai Yojana	Canal Irrigation Project	17	24	11	Fikkal cluster
125	Ilam	Mangsebung Rural Municipality	1	11006SI004	Krishi Kulo Yojana	Canal Irrigation Project	14	40	26	Fikkal cluster
126	Ilam	Mai Jogmai Rural Municipality	4	11001SI004	Soyan Khola 1 no Kulo Sinchai Yojana	Canal Irrigation Project	84	128	49	Fikkal cluster
127	Ilam	Suryodaya Municipality	3	11009SI005	Katyang Khola Sichai Yojana	Canal Irrigation Project	50	92	92	Fikkal cluster
128	Ilam	Ilam Municipality	9	11003SI006	Lamiduواني Sana Sichai Yojana	Canal Irrigation Project	46	86	36	Fikkal cluster
129	Ilam	Mai Jogmai Rural Municipality	2	11001SI007	Maleykhola Sataha Sichai Yojana	Canal Irrigation Project	38	39	10	Fikkal cluster
130	Ilam	Mai Jogmai Rural Municipality	1	11001SI009	Surveykhola Niraula Gau Kambar Gau Rasaile Gau Tamang Gau Sichai Yojana	Canal Irrigation Project	25	49	21	Fikkal cluster
131	Ilam	Deumai Municipality	5	11004SI010	Surkhe Khola Sinchai Yojana	Canal Irrigation Project	85	97	11	Fikkal cluster
132	Ilam	Suryodaya Municipality	7	11009SI012	Gupti Ambi Khola Sichai Aayojana	Canal Irrigation Project	7.5	16	13	Fikkal cluster
133	Ilam	Mai Municipality	4	11008SI014	Juwali Karkitar IP	Canal Irrigation Project	6	18	0	Fikkal cluster
134	Ilam	Sandakpur Rural Municipality	5	11002SI014	Ottame Sana Sichai Aayojana	Canal Irrigation Project	35	63	24	Fikkal cluster
135	Ilam	Mangsebung Rural Municipality	1	11006SI014	Hangmayak Sichai Yojana	Canal Irrigation Project	75	53	1	Fikkal cluster

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136	Ilam	Deumai Municipality	6	11004SI021	Ghatte Goredada Sinchai Yojana	Canal Irrigation Project	95	119	12	Fikkal cluster
137	Ilam	Deumai Municipality	6	11004SI023	Ghatte Khola Sisuwa Sinchai Yojana	Canal Irrigation Project	90	67	27	Fikkal cluster
138	Ilam	Deumai Municipality	5	11004SI025	Saapjung Singalapa Kulo IP	Canal Irrigation Project	62	116	5	Fikkal cluster
139	Ilam	Mangsebung Rural Municipality	1	11006SI025	Amale Sichai Yojana	Canal Irrigation Project	9	34	29	Fikkal cluster
140	Ilam	Rong Rural Municipality	5	11010SI028	Tallo Pakhagau Sinchai Yojana	Canal Irrigation Project	30	35	11	Fikkal cluster
141	Ilam	Deumai Municipality	8	11004SI028	Faklumba Bhalubaase Kulo IP	Canal Irrigation Project	16	20	20	Fikkal cluster
142	Ilam	Ilam Municipality	8	11003SI029	Aale kulo	Canal Irrigation Project	12	13	2	Fikkal cluster
143	Ilam	Suryodaya Municipality	1	11009SI029	Shreekhola Khatri Tharigaun Sichai Yojana	Canal Irrigation Project	11	50	18	Fikkal cluster
144	Ilam	Mangsebung Rural Municipality	2	11006SI030	Mul kulo Sinchai Yojana	Canal Irrigation Project	28	51	14	Fikkal cluster
145	Ilam	Ilam Municipality	11	11003SI033	Ratey khola sichai yojana	Canal Irrigation Project	14	17	2	Fikkal cluster
146	Ilam	Mangsebung Rural Municipality	2	11006SI034	Bataha Sirise Kulo Yojana	Canal Irrigation Project	6	23	17	Fikkal cluster
147	Ilam	Ilam Municipality	11	11003SI035	Thade khola sichai yojana	Canal Irrigation Project	18	17	6	Fikkal cluster
148	Ilam	Ilam Municipality	12	11003SI036	satke muhan sikari dada	Canal Irrigation Project	8	32	13	Fikkal cluster
149	Ilam	Ilam Municipality	4	11003SI041	Narangkhola bhitte bich gaun hudai hydro sichai yojana(Norung Khola Bhitte Bichgau IP)	Canal Irrigation Project	32	63	23	Fikkal cluster

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	CCA	Household Total No of HHs	DAG HHs	Assigned cluster for survey
150	Ilam	Mangsebung Rural Municipality	3	11006SI045	Mewa Khola Dumre Sichai Yojana	Canal Irrigation Project	4.2	13	8	Fikkal cluster
151	Ilam	Ilam Municipality	2	11003SI046	Lapche khola swasthya chowki Sunaam gau sichai kulo	Canal Irrigation Project	26	44	22	Fikkal cluster
152	Ilam	Rong Rural Municipality	1	11010SI047	Bilande IP	Canal Irrigation Project	13	20	14	Fikkal cluster
153	Panchthar	Phidim Municipality	7	10904SI002	Namdu Kulo Sichai Yojana	Canal Irrigation Project	45	151	100	Fikkal cluster
154	Panchthar	Yangbarak Rural Municipality	1	10901SI003	Mewakhola Sangkhen IP	Canal Irrigation Project	21	32	7	Fikkal cluster
155	Panchthar	Falgunanda Rural Municipality	1	10905SI004	Sandhane Siran Kulo	Canal Irrigation Project	14.6	21	7	Fikkal cluster
156	Panchthar	Falelung Rural Municipality	2	10903SI004	Change kulo IP	Canal Irrigation Project	50	158	60	Fikkal cluster
157	Panchthar	Yangbarak Rural Municipality	2	10901SI005	Khung Khola Sarkari IP	Canal Irrigation Project	40	109	68	Fikkal cluster
158	Panchthar	Miklajung Rural Municipality	3	10908SI006	Mil Muni Bata Sadhane Jane Kulo IP	Canal Irrigation Project	14	22	9	Fikkal cluster
159	Panchthar	Falelung Rural Municipality	4	10903SI008	Chemphuwa Khola Gurungtaar IP	Canal Irrigation Project	40	85	13	Fikkal cluster
160	Panchthar	Yangbarak Rural Municipality	3	10901SI010	Selejung IP	Canal Irrigation Project	28	31	19	Fikkal cluster
161	Panchthar	Falgunanda Rural Municipality	2	10905SI010	Aagengma Lapsingey Kulo	Canal Irrigation Project	35	95	22	Fikkal cluster
162	Panchthar	Miklajung Rural Municipality	6	10908SI011	Mewa Khola Khadka Ko Ghar Hudaii Arjun Dhaka ko Ghar janney Kulo	Canal Irrigation Project	7	16	8	Fikkal cluster

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	CCA	Household Total No of HHs	DAG HHs	Assigned cluster for survey
163	Panchthar	Phidim Municipality	8	10904SI011	Kali khola mehel bote khalyangtaar IP	Canal Irrigation Project	25	56	22	Fikkal cluster
164	Panchthar	Phidim Municipality	8	10904SI012	Ithung Khola Ghalegaun Tamakhe Sicha Yojana	Canal Irrigation Project	60	152	86	Fikkal cluster
165	Panchthar	Miklajung Rural Municipality	6	10908SI012	Jogi Danda Jhakri Kulo IP	Canal Irrigation Project	26.5	20	20	Fikkal cluster
166	Panchthar	Falgunanda Rural Municipality	3	10905SI013	Fikkchu Kulomuni Kulo	Canal Irrigation Project	25	61	36	Fikkal cluster
167	Panchthar	Falelung Rural Municipality	7	10903SI014	Mabhewa Sidin Kulo IP	Canal Irrigation Project	5	55	35	Fikkal cluster
168	Panchthar	Miklajung Rural Municipality	7	10908SI014	Thotne Khola IP	Canal Irrigation Project	32	75	58	Fikkal cluster
169	Panchthar	Falelung Rural Municipality	8	10903SI016	Basbotey IP	Canal Irrigation Project	14	17	14	Fikkal cluster
170	Panchthar	Falgunanda Rural Municipality	5	10905SI018	Mangdemba Siran Kulo Irrigation Project	Canal Irrigation Project	15	31	27	Fikkal cluster
171	Panchthar	Tumbewa Rural Municipality	3	10907SI019	Dhunge Kulo IP	Canal Irrigation Project	7	25	2	Dhankuta Cluster
172	Panchthar	Falgunanda Rural Municipality	5	10905SI020	Masaray Kulo	Canal Irrigation Project	13	42	32	Fikkal cluster
173	Panchthar	Tumbewa Rural Municipality	3	10907SI021	Yangkhuwa Dhobeni Kulo IP	Canal Irrigation Project	12	36	25	Dhankuta Cluster
174	Panchthar	Tumbewa Rural Municipality	4	10907SI023	Dhanapati Tar Kulo IP	Canal Irrigation Project	8.5	14	4	Dhankuta Cluster
175	Panchthar	Tumbewa Rural Municipality	4	10907SI024	Batase Kulo IP	Canal Irrigation Project	7	20	8	Dhankuta Cluster
176	Panchthar	Miklajung Rural Municipality	2	10908SI026	Saalghari IP	Canal Irrigation Project	32	42	2	Fikkal cluster
177	Panchthar	Tumbewa Rural Municipality	4	10907SI026	Sorasaya Kulo IP	Canal Irrigation Project	30	41	17	Dhankuta Cluster

S.N	District	Palika Name	Ward No.	Scheme Code	Scheme Name	IP Type (CIP/PIP)	CCA	Household Total No of HHs	DAG HHs	Assigned cluster for survey
178	Panchthar	Tumbewa Rural Municipality	4	10907SI030	Harlabote Pipalbote Bich Kulo IP	Canal Irrigation Project	8.5	26	11	Dhankuta Cluster
179	Panchthar	Falgunanda Rural Municipality	7	10905SI031	Naswa Kulo	Canal Irrigation Project	41	67	9	Fikkal cluster
180	Panchthar	Miklajung Rural Municipality	6	10908SI040	Payawa Manjare Irrigation Project	Canal Irrigation Project	11	12	10	Fikkal cluster
181	Panchthar	Miklajung Rural Municipality	2	10908SI046	Borey Kulo Irrigation Project	Canal Irrigation Project	27	46	14	Fikkal cluster
182	Panchthar	Miklajung Rural Municipality	2	10908SI047	Kataharbote Kulo Irrigation Project	Canal Irrigation Project	7	22	19	Fikkal cluster
183	Panchthar	Miklajung Rural Municipality	2	10908SI050	Lahsune Siran Kulo Sinchai Yojana	Canal Irrigation Project	19	40	26	Fikkal cluster

Annex 4: List of Irrigation Scheme of short-term monitoring survey with support detail of other agencies

S. N	Name of scheme	Cluster	District	Mun/RM	Support Agency	Financial Supported (NRS)	Support Type
1	Mate Khola Muhangari Birauta Tallo Sichai		Udayapur	Udayapurgadhi Rural Municipality	Local Government	100,000	Financial support
2	Mul kulo Sinchai Yojana		Ilam	Mangsebung Rural Municipality	Local Government	100,000	Financial support
3	Ithung Khola Ghalegaun Tamakhe Sicha Yojana		Panchthar	Phidim Municipality	Other (NGO/INGO/Social Organization)		Technical Support (maintenance of irrigation scheme)
4	Kali khola mehel bote khalyangtaar IP		Panchthar	Phidim Municipality	Other (NGO/INGO/Social Organization)		Technical Support (maintenance of irrigation scheme)
5	Chayamlayang Dhuska Maslo IP		Okhaldhunga	Manebhanjyang Rural Municipality	Local Government		Kind Support (construction material like, pipe, cement, rod, etc)

S. N	Name of scheme	Cluster	District	Mun/RM	Support Agency	Financial Supported (NRS)	Support Type
6	satke muhan sikari dada		Ilam	Ilam Municipality	Local Government		Kind Support (construction material like, pipe, cement, rod, etc)
7	Rasuwa Dhunge Tahaari Aambote IP		Udayapur	Rautamai Rural Municipality	Local Government	200,000	Financial support
8	Thotne Khola IP		Panchthar	Miklajung Rural Municipality	Province Government	1,700,000	Financial support
9	Surkhe Khola Sinchai Yojana		Ilam	Deumai Municipality	Province Government		Technical Support (maintenance of irrigation scheme)
10	Mahendra IP	Dhankuta	Dhankuta	Mahalaxmi Municipality	Province Government	2,500,000	Financial support
11	Tunikhola Kamikhet Sichai Yojana		Okhaldhunga	Siddhicharan Municipality	Other (NGO/INGO/Social Organization)	1,000,000	Financial support
12	Sidre Tallo Sichai Kulo Marmat		Udayapur	Triyuga Municipality	Other (NGO/INGO/Social Organization)	50,000	Financial support
13	Selejung IP		Panchthar	Yangbarak Rural Municipality	Province Government	500,000	Financial support
14	Kaneyadobhan Ogemba Irrigation Project		Panchthar	Falelung Rural Municipality	Other (NGO/INGO/Social Organization)	895,000	Financial support
15	Namdu Kulo Sichai Yojana		Panchthar	Phidim Municipality	Province Government	1,200,000	Financial support
16	Narangkhola bhitte bich gaun hudai hydro sichai yojana (Norung Khola Bhitte Bichgau IP)		Ilam	Ilam Municipality	Local Government		Kind Support (construction material like, pipe, cement, rod, etc)
17	Manekhola Majhgau Sichai Yojana		Okhaldhunga	Khiji Demba Rural Municipality	Local Government	150,000	Financial support

Annex 5. Detail of Measured and Designed Discharges of Irrigation schemes

SN	Scheme Name	CCA, ha	Status of Source Discharge over Time	Discharge Measurement in Ips		
				Design	Measured	% of Design
1	Tallo Barmajhiya faat Sinchai Yojana	19	Constant	13.1	67.0	5.1
2	Saraswoti Khola Muhan Bhaye Rajabas Tarfa Aaune	25	Decrease	14.1	0.0	0.0
3	Birutar Tari Kulo Yojana	6	Constant	6.3	12.0	1.9
4	Mate Khola Muhangari Birauta Tallo Sichai	5	Constant	20.0	31.0	1.5
5	Thade khola sichai yojana	18	Constant	32.6	79.0	2.4
6	Mul kulo Sinchai Yojana	28	Constant	52.2	342.0	6.6
7	Tallo Dolpu IP	20	This year	4.5	15	3.3
8	Dolpu IP	11	Other use	1.9	10	5.4
9	Dhuseni Tari IP	6	Constant	2.3	35	15.2
10	Britikhoal Dihikhet IP	6	This year	1.7	14	8.1
11	Karambote Sichai Yojana	12	Constant	6.3	45	7.1
12	Chaitya Aalubari IP	28	This year	6.1	13	2.1
13	Lamiduواني Sana Sichai Yojana	46	Constant	26.2	97	3.7
14	Chhangedovan Sinchai Yojana	80	Constant	45.7	38	0.8
15	Diyalekhola Dhungana Gau IP	6	This year	1.3	8	5.9
16	Bhadaure Kattike IP	11	Decrease	8.9	6	0.6
17	Bhuwan karki Sichai Yojana Tallo Sajhboyte	9	Constant	19.8	73	3.7
18	Hangmayak Sichai Yojana	75	Decrease	80.0	85.7	1.1
19	Amale Sichai Yojana	9	Decrease	3.2	22.7	7.0
20	Jasoda Khola Rampur Mul Kulo Marmat IP	32	Decrease	15.7	0	0.0
21	Makhwari Sichai Marmat Yojana	7	Decrease	3.6	120.3	33.4
22	Mil Muni Bata Sadhane Jane Kulo IP	14	Constant	44.5	1502.3	33.7
23	Ithung Khola Ghalegaun Tamakhe Sicha Yojana	60	Constant	18.5	33	1.8
24	Kataharbote Kulo Irrigation Project	7	Constant	20.0	197	9.8
25	Ghatte Goredada Sinchai Yojana	95	Constant	21.5	13.34	0.6
26	Janakalyan Ghatte Khola IP	80	Constant	60.9	96.6	1.6
27	Kali khola mehel bote khalyangtaar IP	25	Constant	5.6	6	1.1
28	Chayamlayang Dhuska Maslo IP	7	Constant	3.9	16.5	4.3
29	Kolbote sichai kulo tatha pokhari IP	10	Other use	5.4	23	4.3

SN	Scheme Name	CCA, ha	Status of Source Discharge over Time	Discharge Measurement in Ips		
				Design	Measured	% of Design
30	Saapjung Singalapa Kulo IP	62	Decrease	17.9	85	4.7
31	Gupti Ambi Khola Sichai Aayojana	8	Constant	5.0	32	6.4
32	Shreekhola Khatri Tharigaun Sichai Yojana	11	Constant	10.2	50	4.9
33	Bamrang Khola Kuko Marmat IP	8	Decrease	15.4	45	2.9
34	Lingting Khola IP	8	Constant	4.1	75	18.3
35	Tis Mure Sichai Aayojana	15	Constant	3.1	25.56	8.3
36	Ghatte Khola Sisuwa Sinchai Yojana	90	Constant	31.9	10.98	0.3
37	Okmalung IP	10	Constant	6.3	52.52	8.4
38	Ratey khola sichai yojana	14	Constant	13.7	178.07	13.0
39	satke muhan sikari dada	8	Constant	10.2	45.13	4.4
40	Aale kulo	12	Constant	4.9	11.74	2.4
41	Saalghari IP	32	Constant	106.1	484	4.6
42	Borey Kulo Irrigation Project	27	Constant	78.3	300	3.8
43	Rakuli Simlay Jyamire Sichai Kulo Marmat Yojana	5	Constant	2.3	21	9.1
44	Deumai Sinchai Yojana	98	Constant	28.4	254	8.9
45	Krishi Kulo Yojana	14	Decrease	27.9	70.89	2.5
46	Chuiribote Sichai Yojana	22	Constant	3.9	51.56	13.4
47	Pekuwa khola sichai yojana	6	Constant	1.7	10	5.9
48	Dhunge Kulo IP	7	Constant	16.9	7.24	0.4
49	Lahsune Siran Kulo Sinchai Yojana	19	Constant	9.0	23	2.6
50	Mengkhuwa Ghyambo IP	16	Constant	3.6	150	41.7
51	Khari Badhtari Sichai Yojana	6	Constant	13.8	12	0.9
52	Rasuwa Dhunge Tahaari Aambote IP	8	Constant	25.1	28	1.1
53	Batase Kulo IP	7	Constant	24.7	620	25.1
54	Bahadure IP	9	Constant	2.3	121	52.6
55	Mul Kulo IP	10	Constant	4.9	21.46	4.4
56	Masaray Kulo	13	Constant	2.7	30	11.0
57	Naya Ambote Kulo IP	40	Constant	40.3	38	0.9
58	Yaksora IP	16	Constant	7.1	130	18.3
59	Urbe Khola IP	19	Constant	4.1	15	3.7
60	Jalum Juldikha kulo IP	7	Constant	0.0	125	1.0

SN	Scheme Name	CCA, ha	Status of Source Discharge over Time	Discharge Measurement in Ips		
				Design	Measured	% of Design
61	Parakhola Muhan gari Mahabir IP	6	Decrease	1.7	440	258.8
62	Kattike Khola Muhan gari Magar tole IP	6	Constant	1.3	84	64.6
63	Kholme Bhasme Muhan gari Kanle Jamune IP	6	Constant	2.3	7	3.0
64	Solungkhola Muhan Bhae Bairage Sichai Kulo Yojana	7	Constant	3.6	284	78.9
65	Chalise Sichhai Yojana Gangate.	40	Decrease	35.7	0	0.0
66	Leguwa Khola Beltar IP	46	Constant	150.6	20	0.1
67	Chharchhare Basnet Gaau Kulo IP	11	Constant	0.2	30	156.4
68	Dhanapati Tar Kulo IP	9	Constant	31.9	680	21.3
69	Pyakhola Bakaine Karkuse Kulo marmat Samvar	5	Constant	2.3	6	2.6
70	Rakula Marse Krisak Samuha IP	5	Constant	17.7	28	1.6
71	KHANGTANG KULO MARMAT GOGANE	18	Constant	8.5	20	2.3
72	Thotne Khola IP	32	Constant	21.9	110	5.0
73	Samkhola Muhan Hudai Dilachai Samman Aaune IP	40	Other use	12.1	8	0.7
74	Soyan Khola 1 no Kulo Sinchai Yojana	84	Constant	17.5	55	3.1
75	Gairikhet IP	5	This year	3.0	6.65	2.2
76	Naswa Kulo	41	Constant	21.4	290	13.5
77	Kalikhola Kholdu IP	45	Constant	10.5	64	6.1
78	Kuldada IP	16	Constant	0.2	40	262.4
79	Katahare CIP	25	Constant	41.2	350	8.5
80	Nibuwa Khola IP	5	Constant	7.1	91	12.8
81	Katahare Sichai Yojana	21	Constant	6.7	44	6.5
82	Sorasaya Kulo IP	30	Constant	38.1	86.28	2.3
83	Lati Khola Muhan Sichai Yojana Khanidada	5	Constant	3.5	12	3.4
84	Kubinde Khola BhaisetarTallo Chatiwane IP	7	Constant	23.4	16	0.7
85	Ghatta Khet muhangari magar tole IP	5	Other use	23.4	45	1.9
86	Basbotey IP	14	Decrease	12.7	8	0.6
87	Kafle Kulo Ip	7	Other use	0.0	52	1.0
88	Mulkhola Chaubise Aambote Sinchai Yojana	9	Constant	4.4	89	20.2
89	Asarange CIP	6	Constant	1.2	36	31.1
90	Harlabote Pipalbote Bich Kulo IP	9	Constant	16.0	16.43	1.0
91	Surkhe Khola Sinchai Yojana	85	Decrease	28.5	86.15	3.0

SN	Scheme Name	CCA, ha	Status of Source Discharge over Time	Discharge Measurement in Ips		
				Design	Measured	% of Design
92	Dewan Kulo	7	Constant	11.8	415	35.0
93	Ramite CIP	22	Constant	0.0	56	1.0
94	Pokhari Kulo IP	15	Constant	9.3	45	4.8
95	Majh Gaun Kulo IP	9	Constant	2.3	25	11.1
96	Kunte Khola kulo Marmat Tatha Nirman	28	Decrease	10.7	15.71	1.5
97	Gauthalidhunga kulo sinchai yojana	26	Constant	17.3	493	28.5
98	Hupapu Khola Dobhan Irrigation Project	17	Constant	4.8	14	2.9
99	Jaljale Namuna Small Irrigation Project	14	Other use	3.0	3	1.0
100	Uttisekhola Doban Sisnekhola Chuplebesi Sichai Yojana	15	Constant	9.2	234	25.4
101	Bhalukhop Dada Kharkha Sichai Yojana	7	This year	5.4	0	0.0
102	Tunikhola Hulak Khet Sichai Yojana	19	This year	1.3	7.26	5.6
103	Mahendra IP	20	This year	5.1	760	148.6
104	Yangkhuwa Dhobeni Kulo IP	12	Decrease	7.3	15.2	2.1
105	Kause Badare Irrigation Project	6	Constant	9.8	49	5.0
106	Salbote IP	27	Constant	7.6	51.5	6.8
107	Jogi Danda Jhakri Kulo IP	27	Constant	45.9	219	4.8
108	Harka IP, Sangpang-Deurali	28	This year	8.1	65	8.0
109	Khudukhu Khola Hudai Tari Khet Samma Irrigation Project	20	Constant	2.3	7	3.0
110	Bulumpa Kulo Marmat	32	Other use	2.1	15	7.2
111	Aase Khola Aahale Maswari IP	8	Constant	5.9	26.5	4.5
112	Khani khola Ghartigaun Sichai Yojana	27	Constant	5.9	40	6.8
113	Lawang Khola Lumsikha IP	18	Constant	6.0	60	10.1
114	Tunikhola Kamikhet Sichai Yojana	5	This year	6.2	8.36	1.3
115	Dude Simlekhet IP	9	Constant	14.5	4000	276.2
116	Dhok Khola sirubani IP	10	Decrease	3.0	0	0.0
117	Malatikhola dadapari bahundada IP	8	Decrease	2.3	17.12	7.4
118	Kartike kulo IP, Purundin	7	Constant	0.2	80	492.9
119	Phedi Khola Arale Sichai Yojana	8	Decrease	5.0	27.72	5.5
120	Yaming Besi IP	13	Constant	5.9	17.37	2.9
121	Sundari khola Sichai Yojana	19	Decrease	6.9	0	0.0
122	Mangdemba Siran Kulo Irrigation Project	15	Constant	4.0	6	1.5

SN	Scheme Name	CCA, ha	Status of Source Discharge over Time	Discharge Measurement in Ips		
				Design	Measured	% of Design
123	Aagengma Lapsingey Kulo	35	Constant	4.4	15	3.4
124	Lhasune Khola Sinchai Yojana Majhakhani	9	Constant	5.7	2.1	0.4
125	Sichewang Sinchai Yojana Chongkha	7	Constant	1.7	2.5	1.5
126	Kawa Kartikey Sinchai Yojana	5	Constant	14.9	25	1.7
127	Pikhuwa Kulo Sinchai Yojana	5	Constant	16.8	20	1.2
128	Payawa Manjare Irrigation Project	11	Constant	19.9	608	30.6
129	Sidre Tallo Sichai Kulo Marmat	9	Constant	10.5	30	2.8
130	Dungre Khola Muhan Gari Soli Dunga Sichai	14	Constant	7.2	25	3.5
131	Takmare IP	90	Constant	17.2	40	2.3
132	Chuniya Gardhaney kulo Marmat Dadaparey Tole	6	Constant	3.9	42	10.8
133	Dubekhola Muhan Gari Dasmure Sichai Yojana	5	Decrease	1.4	0	0.0
134	Arney Mulkulo Sichai Yojana	11	Constant	5.3	25	4.7
135	Mewa Khola Khadka Ko Ghar Hudaii Arjun Dhaka ko Ghar janney Kulo	7	Constant	2.4	680	280.3
136	Pipale IP (Revised)	9	Constant	3.2	5	1.5
137	Hatewa Sumpedada IP	18	Constant	3.3	30	9.1
138	Tangting Muhan Kumbitaar Sathimure Sinchai Yojana	17	Constant	29.0	33	1.1
139	Katyang Khola Sichai Yojana	50	Decrease	26.4	38	1.4
140	Jinjuwa Sichai Kulo	9	Constant	0.7	15	21.7
141	Fikkchu Kulomuni Kulo	25	Constant	10.6	0	0.0
142	Sano Chimraha Sana Sichai	10	This year	4.9	59.68	12.2
143	Chyaple Raikare Sana Sichai	7	Decrease	6.5	20.58	3.2
144	Mewakhola Sangkhen IP	21	Constant	1.2	112	95.6
145	Biruwakhola Barbote Thingepur IP	14	Constant	0.1	230	3000.0
146	Selejung IP	28	Constant	45.3	310	6.8
147	Dalit gaun Devithan Chitre Kulo IP	22	Constant	9.4	45	4.8
148	Juwali Karkitar IP	6	Constant	7.6	25	3.3
149	Kahar Khola Khudurki Majuwa Sinchai Yojana	22	This year	5.4	0	0.0
150	Pokali Jharna Damai Dada Jhagare Bari Sichai Yojana	28	This year	7.0	120	17.1
151	Surveykhola Niraula Gau Kambar Gau Rasaile Gau Tamang Gau Sichai Yojana	25	Constant	11.3	42	3.7

SN	Scheme Name	CCA, ha	Status of Source Discharge over Time	Discharge Measurement in Ips		
				Design	Measured	% of Design
152	Panawa Gayeley Kiknamdhap IP	12	Constant	2.0	160	79.2
153	Manirumti Aambote IP	15	This year	48.2	550	11.4
154	Adchalis Kulo Marmat IP	38	Decrease	23.9	99	4.1
155	Muhane Khairine kulo marmat	45	Constant	27.1	152	5.6
156	Sernekhola Muhangari Tari Besi Samma Jani kulo IP	10	Constant	23.1	18.62	0.8
157	Charuwa Khola Hudai Laxmitar Kulo IP	9	Constant	10.8	157	14.6
158	Bhote Khola Chure Danda	8	Constant	12.2	125	10.3
159	Kaneyadobhan Ogemba Irrigation Project	20	Constant	0.0	113	1.0
160	Chippuwa Khola Bahundanda kulo IP	11	Constant	3.1	19.58	6.3
161	Dumbare Sana Sinchai	6	Constant	7.0	24.86	3.6
162	Namdu Kulo Sichai Yojana	45	Constant	0.0	304	1.0
163	Ottame Sana Sichai Aayojana	35	Constant	2.2	150	67.4
164	Narangkhola bhitte bich gaun hudai hydro sichai yojana(Norung Khola Bhitte Bichgau IP)	32	Decrease	44.4	72	1.6
165	Chemphuwa Khola Gurungtaar IP	40	Decrease	0.0	55	1.0
166	Leguwa Khola Sotang Gaun Sadaspa to Kaklabung Kulo Samdu	16	Constant	5.8	41	7.1
167	Leguwa Khola Paipung to Sirise Besi Kulo Samdu	13	Constant	2.0	25	12.2
168	Piguwa jhakrithan CIP	17	Constant	0.0	120	1.0
169	Dharme IP	38	Constant	6.3	40	6.3
170	Thingekhola Bhandari Hudai Thapa Gau Sichai Yojana	30	Constant	4.4	60	13.6
171	Tallo Pakhagau Sinchai Yojana	30	Constant	12.8	85	6.6
172	Bilande IP	13	Decrease	4.4	21.84	4.9
173	Khisima Khola Bumling Kulo IP	34	Constant	0.0	45	1.0
174	Sakale Tallo Chiuribote Sinchai Yojana	9	Constant	4.9	75	15.3
175	Manekhola Majhgau Sichai Yojana	18	Other use	7.1	25	3.5
176	Bhirkuna Lapshephedi Gothebazar Kulo IP	6	This year	8.7	350	40.2
177	Daregauda Bhandari Dalit Tole IP	10	Decrease	6.6	20	3.0
178	Turunguwa Kulo IP	35	This year	29.4	20	0.7
179	Naspati Bari Kulo IP	24	Decrease	23.8	18	0.8
180	Pelungkhola Sanjabari IP	14	Other use	2.3	25	10.9

SN	Scheme Name	CCA, ha	Status of Source Discharge over Time	Discharge Measurement in lps		
				Design	Measured	% of Design
181	Ghattekhola Muhan Chanaute Sichai Yojana	5	Decrease	4.4	0	0.0
182	Puna Khola Dharapani Sichain Yojana	5	This year	4.1	0	0.0
183	Puchhar CIP	25	Constant	11.0	175	15.9

Number of Schemes (and %) meeting the Design need

Equal to or more than 100% of Design need	157 schemes	86%
Equal to or more than 75% of Design need	5	3%
Equal to or more than 50% of Design need	6	3%
Equal to or more than 25% of Design need	3	2%
Equal to or more than 10% of Design need	1	1%
No discharge	11	6%
Total	183 schemes	100%

Note:

1. *Constant: Source discharge has not decreased over time.*
2. *Decrease: Source discharge has been decreasing over time.*
3. *This year: Source discharge has decreased in this year only.*
4. *Other use: Source discharge is being used for other purposes, or for other irrigation schemes upstream.*

Annex 6. Some photos collected during short-term monitoring survey

