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SMALL IRRIGATION PROGRAMME (SIP), Phase-II



ASSESSMENT REPORT ON THE IMPLEMENTATION AND COMPLIANCE OF SMALL IRRIGATION GUIDELINES (SIG) BY LOCAL GOVERNMENTS IN KOSHI PROVINCE

बजुर्गी-२
(पृष्ठ ४ तथा बजुर्गी-१ को भाग-२ सँग सम्बन्धित)

चिराङ्गुगढी गाउँपालिका
स्थानीय राजपत्र

खण्ड: ६ संख्या: ३ मिति: २०८०/०२/२०

भाग-२
चिराङ्गुगढी गाउँपालिका

चिराङ्गुगढी गाउँ कार्यपालिकाको कार्यालयको
मुखना

चिराङ्गुगढी गाउँपालिकाको साना सिंचाई आयोजना सञ्चालन निर्देशिका, २०८०

कार्यपालिकाबाट स्वीकृत मिति: २०८०/०२/१९
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प्रस्तावना: स्थानीय तहमा साना सिंचाई विकासका कार्यक्रम तथा बायोबनाहरूको छनोट, अध्ययन-सर्वेक्षण, प्राथमिकीकरण, निर्माण तथा स्तरोन्नति, सञ्चालन र व्यवस्थापनलाई प्रभावकारी बनाई कृषिजन्य उत्पादन र उत्पादकत्वमा वृद्धि गरी प्राप्त हुने प्रतिफलको वितरणलाई व्यवस्थित र न्यायोचित बनाउन बाध्यकारी भएकाले, चिराङ्गुगढी गाउँपालिकाले यो निर्देशिका बनाएको हो ।

सचिव

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1. Introduction

The Small Irrigation Programme (SIP), Phase II is implemented by the Government of Nepal (GoN) in collaboration with the Government of Switzerland and is built upon the experience of implementing SIP, Phase I. 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.

To support the effective implementation of these outcomes, SIP assisted the Ministry of Water Supply, Irrigation and Energy (MoWSIE) of Koshi Province in preparing a draft of the Small Irrigation Guidelines (SIG) - a comprehensive framework designed to establish a one-window system for the planning, implementation, and management of small irrigation schemes at the local level. The SIG draft was shared with all SIP-working LGs for adaptation and endorsement.

Till date, all 59 (100%) LGs within SIP working area have officially endorsed the SIG with due modifications to suit their needs, while 56 (95%) LGs have further published it in their official gazettes. In order to assess the extent to which these guidelines are being followed, SIP developed a set of compliance indicators based upon the guideline in 2025 and carried out SIG evaluation survey - 78 irrigation schemes of 20 LGs in the first slot and 94 schemes of 24 LG in this second slot. Surveys were carried out to evaluate the SIG compliance in development of small irrigation schemes implemented by LGs - both under SIP and/or other sources. The subsequent assessments aim to identify gaps, challenges, and areas for improvement, thereby providing a foundation for targeted recommendation to ensure full compliance and enhance the overall effectiveness of small irrigation development at the local level.

2. Objectives

The specific objectives of this assessment are to:

- Examine the level of implementation and compliance with the Small Irrigation Guidelines (SIG) by local governments.
- Recommend practical measures to address gaps and enhance compliance for future interventions.

3. Scope of the work

The study is designed to assess the implementation status and compliance of SIG in irrigation schemes implemented by LGs that have officially endorsed and published the guidelines in their local gazettes. The assessment focuses on seven key indicators to measure the extent, effectiveness, and consistency of SIG application in the planning and development of small irrigation schemes.

The scope of this assessment includes, but is not limited to, the following tasks:

- Survey Preparation: Planning and designing data collection tools and questionnaires, coordinating with cluster offices, and engaging with Local Governments and Water Users' Associations to disseminate information about the survey process.
- Data Collection: Conducting field surveys to gather relevant information, documents, and data from LGs and WUAs.
- Data Analysis and Interpretation: Analyzing collected data to assess compliance levels and identify patterns, strengths, and gaps.

- Preliminary Findings and Discussion: Preparing initial findings and drafting the survey report for review and discussion within the PMISC team.
- Final Report Preparation: Revising and finalizing the report by incorporating feedback and comments received from the PMISC team.

4. Limitation of the study

The survey was carried out in selected sample of Local Governments from the total 55 LGs that have published the Small Irrigation Guidelines in their official gazettes. Similarly, irrigation schemes within these LGs were also chosen on a sample basis. Therefore, the findings of this study represent the sampled LGs and schemes and may not fully reflect the situation across all LGs in the province.

5. Study Area

This second slot study was carried out in 24 selected Local Governments representing all 55 SIG-published LGs in Koshi Province. Sample irrigation schemes were selected through proportional random sampling from each cluster to ensure cluster-wide representation. The map of the study area of the SIG assessment survey, illustrating locations of the surveyed LGs and corresponding study areas covered under the assessment, is presented below in **Figure 1**.

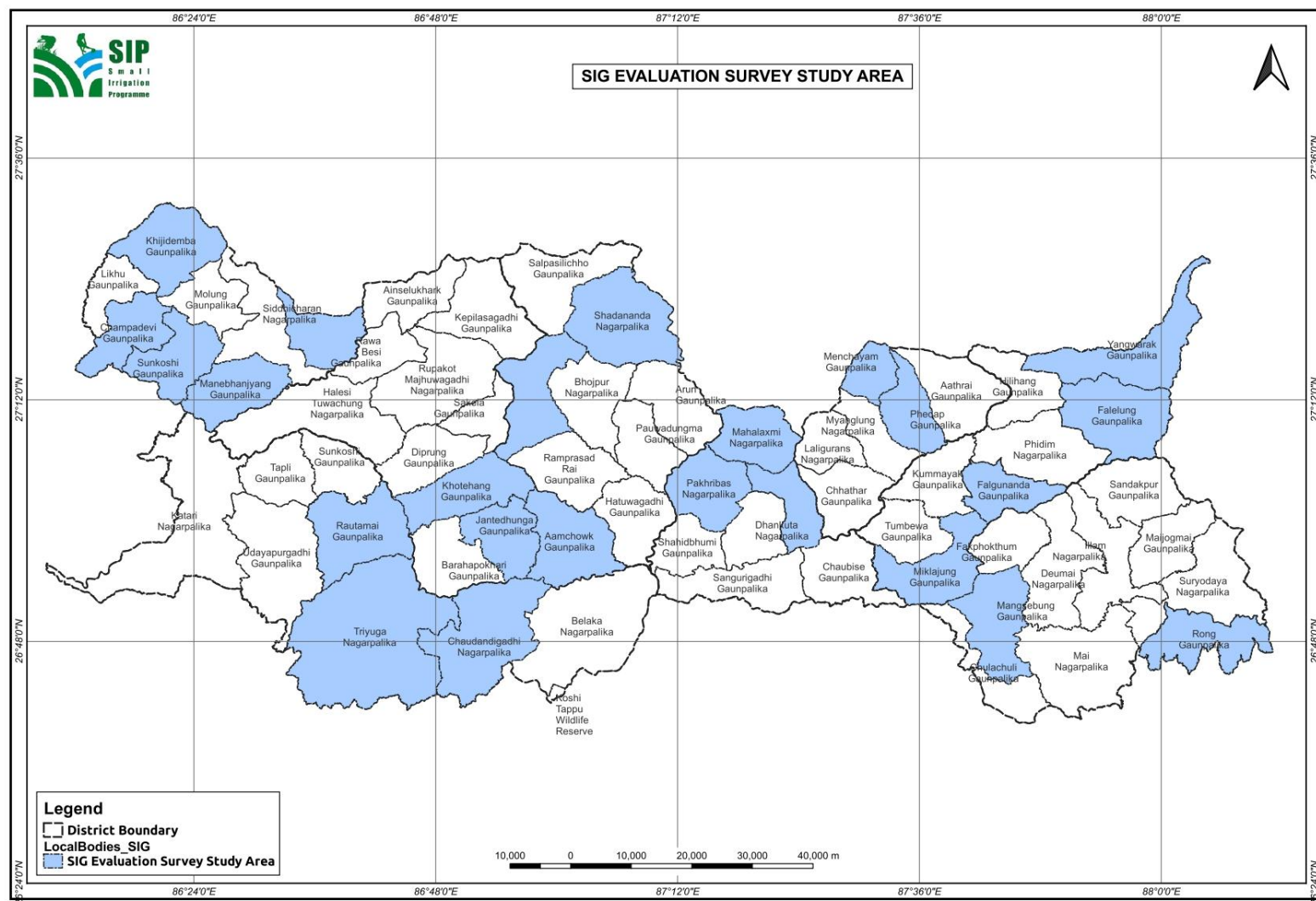


Figure 1: Study Area of SIG Assessment Survey, 2026

6. Methodology

The assessment of the SIG was conducted using a mixed-method approach, combining both qualitative and quantitative data. Quantitative data and relevant documents were collected through direct observations, while qualitative insights were obtained through discussions and meetings with representatives of Local Governments and Water Users' Associations - both using the mWater/Solstice mobile application.

The following sub-sections outline the methodology and approaches adopted for the survey.

6.1 Sampling Process

By the end of FY 2082/83, a total of 56 Local Governments had officially published the Small Irrigation Guidelines in their respective gazettes. For this assessment, a representative sample of 24 LGs was selected from four clusters: Udayapur, Dhankuta, Okhaldhunga & Phikkal, to ensure geographical and contextual representation.

Within these selected LGs, a total of 94 irrigation schemes completed in FY 2080/81 & FY 2081/82 were included in the assessment. Among them, 91 schemes were implemented under SIP support, while 3 schemes were independently implemented by the respective LGs through their own sources.

Table 1 below presents the list of selected LGs and the number of schemes assessed in each cluster. Further detailed information is provided in **Annex 2**.

Table 1: List of LGs and number of schemes

S.N.	Name of Cluster	Name of LG	Number of Schemes
1	Dhankuta	Pakhribas Municipality	4
		Chhathar Jorpati RM	4
		Mahalaxmi Mun	4
		Phedap RM	4
		Menchhayaam RM	4
		Shadanand RM	4
2	Phikkal	Yangwarak RM	4
		Phalelung RM	4
		Phalgunanda RM	4
		Mangsebung RM	4
		Rong RM	4
		Miklajung RM	4
3	Udayapur	Jantedhunga RM	4
		Khotehang RM	4
		Aamchowk RM	4
		Chaudandigadhi RM	4
		Rautamai RM	4
		Triyuga Municipality	4
4	Okhaldhunga	Khiji Demba RM	4
		Manebhanjyang RM	4
		Chishankhu Gadhi RM	3
		Champadevi RM	4
		Sunkoshi RM	4
		Temke Maiyum RM	4

S.N.	Name of Cluster	Name of LG	Number of Schemes
Total Number of Schemes			94

6.2 Data collection

Data were collected using a structured questionnaire developed based on SIG compliance indicators. The questionnaire covered both quantitative and qualitative parameters and was designed to ensure data triangulation through document verification within the mWater/Solstice system.

The following methods were employed for data collection:

1. Consultations and Meetings: Discussions with LG representatives to disseminate the survey process and clarify data collection methodology.
2. Data and Document Review: Collection of relevant information and records from different departments of LGs (accounts, planning, and administrative sections).
3. Engagement with WUAs: Gathering scheme-level information and records directly from Water Users' Associations.

A copy of the survey questionnaire is provided in **Annex 3**.

6.3 SIG Assessment Parameters

The data collected were analyzed to assess the level of compliance with SIG across seven thematic areas. Each area comprised specific indicators, and scores were assigned based on their relative weightage to evaluate overall compliance and effectiveness.

a) Subject 1: Scheme Selection and Budget Management

- Size of the irrigated area of the scheme
- Farmers' request, recommendation, and selection process

b) Subject 2: Institutional Roles and Responsibilities

- Irrigation service fee collection
- Renewal status of WUAs

c) Subject 3: WUA Formation and Operation

- Women's representation in Water Users' Organizations
- Female representation in key executive positions (Chairperson, Secretary, Treasurer)

d) Subject 4: Scheme Implementation and Management

- Method of implementation (WUA-led or contract-based)
- Community participation
- Upfront maintenance fund provision
- Advance payment practice
- Orientation provided by LGs to WUAs on scheme implementation
- Monitoring by Municipal Monitoring Committee before final payment

e) Subject 5: Technical Evaluation and Payment

- Availability and accuracy of detailed measurement records in the municipal measurement book

f) Subject 6: Transparency and Governance

- Practices of hoarding board display, public hearing, public review, and public audit

g) Subject 7: Support in Federal State Building

- Coordination and collaboration with other agencies for small-scale irrigation development

The details of indicators, their respective weightages, and scoring methods are presented in **Table 2**, while the assessment results and categorization of SIG effectiveness based on obtained scores are presented in **Tables 3 & 4** respectively.

Table 2. List of Assessment Indicators

Subject-wise indicator	Results			Basis of Validation	Weightage, %	Source: Article of the guideline
	Weak	Fair	Good			
Assessment Subject - 1: Project Selection and Budget Management						
Size of the irrigated area of the project	Irrigated area is more than 50 hectares (Basis:1)	Irrigated area is more than 50 hectares, but permission has been obtained from the province (Basis: 1)	Irrigated area is less than 50 hectares (Basis: 1)	1. Detailed study report or annual approved budget and program	20	Definition
Farmers' request, recommendation and selection	Having only 1 document (Basis: 1 to 6)	Having up to 4 documents (Basis: 1 to 6)	Having up to 5 documents (Basis: 1 to 6)	1. Farmer's scheme request application 2. Ward, or thematic committee recommendation 3. Prioritization report 4. Detailed study report 5. Annual approved budget and program 6. Recommendation letter for the scheme list as per the decision of the executive committee	80	4, 5, 6, 7
Assessment Subject - 2: Institutional Functions, Duties, and Rights						
Irrigation service fee	Fee not collected (no basis required)	Fees collected but not regular (monthly, annual, crop-wise or other) (Basis: 1&2)	Fees collected regularly (Basis: 1&2)	1. Minute with details of the amount raised 2. Bank/cooperative voucher, minute of the amount mobilized	60	9.I
Institution Renewal (WUA Renew)	Institution not renewed (no basis required)	Institution renewal is not regular (Basis:1)	The institution has been renewed regularly (Basis: 1)	1. Certificate of Institution Registration/Renewal	40	9.F
Assessment Subject - 3: Formation and Operation of WUA						
Women's representation in the Water Users'	There is no representation of women in the WUA (Basis:1)	Representation of women in WUA is not as specified in the guidelines (Basis:1)	Women representation in the WUA is as per guidelines (Basis:1)	1. Name list of WUA's members	50	8.6, 11.4

Subject-wise indicator	Results			Basis of Validation	Weightage, %	Source: Article of the guideline
	Weak	Fair	Good			
Organization (WUA'S)						
Women in one of the key positions (President, Secretary or Treasurer) of WUA	There is no women member in any of the key positions in WUA (Basis:1)	There are no women member in key position as specified in the guidelines in WUA (Basis:1)	There are women members in key position in the WUA as specified in the guidelines, (Basis:1)	1. Name list of WUA's members	50	11.D
Assessment Subject - 4: Scheme Implementation and Management						
Construction Implementation Method (WUA /Contract)	Construction and maintenance of the project, within the budget limit of WUA as specified in the guidelines, has also been done through contracts (Basis: 2)	Construction and maintenance of the project within the budget limits specified in the guidelines has been carried out partly through WUA and partly through contracts (Basis:1&2).	Construction and maintenance work of the project within the amount limit specified in the guidelines has been carried out through the WUA (Basis:1)	1. Construction contract with the LG – WUA 2. Construction contract with the LG - Construction contractor	20	16
Users' contribution	The provision for users' contribution as specified in the guidelines is not included in the WUA-Municipality agreement (Basis:1)	The agreement includes provisions for users' contribution as specified in the guidelines, but the proportion was not met when making payments (Basis:1 &2)	The agreement includes provisions for users' contribution as specified in the guidelines and the payment was made after deducting the portion accordingly (Basis:1&2).	1. WUA-LG Agreement 2. Payment Details/Bill	25	17
Up front Cash for Maintenance Fund	Failure to deposit the amount as prescribed in the guidelines (Basis: 1)	The amount as specified in the guidelines has been collected but was not collected proportionately from among users (Basis:1& 2)	The amount as specified in the guidelines has been collected proportionately from among users(Basis: 1&2)	1. Minute of the meeting regarding the details of the amount withdrawn 2. Bank voucher showing the amount deposited	20	15
Advance payment	The WUA-LG agreement does not mention the provision of advance payment as specified in the	The agreement mentions the provision of advance payment as specified in the guidelines, but has not been released accordingly (Basis:1&2).	The agreement mentions the provision of advance payment as specified in the guidelines and it was released accordingly (Basis:1 &2)	1. WUA -LG Agreement 2. Advance Payment Details/Bill	15	18

Subject-wise indicator	Results			Basis of Validation	Weightage, %	Source: Article of the guideline
	Weak	Fair	Good			
	guidelines (Basis: 1)					
Municipality provides orientation about the project to WUAs	No orientation on the project to the concerned person, as specified in the guidelines (no basis required)	Orientation provided to the concerned persons regarding the project, as specified in the guidelines, but there is no report of it (no basis required).	The municipality has provided orientation to the concerned persons regarding the project, as specified in the guidelines, and has prepared the report on the same (Basis:1)	1. Municipality documents/costs (Orientation Report)	10	20
Monitoring by the Municipal Monitoring Committee before final bill payment	No monitoring by the Municipal Monitoring Committee before final bill payment (no basis required)	Monitoring carried out by the Municipal Monitoring Committee before the final bill payment, but there is no report (Basis: 1)	The municipality monitoring committee conducted monitoring and prepared the report of the same before the final bill payment (Basis: 1& 2).	1. Final Bill Document 2. Monitoring Report Attached to the Bill (Schedule-7)	10	19
Assessment Subject - 5: Technical Evaluation, Payment and Settlement						
Details of the measurements taken by the municipality for each payment are recorded in the municipality's measurement book.	Measurement details not submitted with the bill (no basis required)	Measurement document submitted along with the bill in loose sheets, but has not been entered in the LG'S measurement book (Basis: 1)	A measurement book containing survey details has been submitted along with the bill (Basis:1)	1. Survey details/survey book attached to the bill submitted to the municipality	100	25
Assessment Subject - 6: Transparency and Good Governance						
Hoarding boards, public hearings, public reviews and public audit	No provision was fulfilled (Basis: 1 to 4)	Only up to 3 provisions have been fulfilled (Basis: 1 to 4)	All provisions have been fulfilled (Basic:1 to 4)	(Bases with points) 1. Hoarding board placed in a visible place - 20 2. Public hearing minutes - 30 3. Public review minutes - 20 4. Public audit minutes- 30 Total - 100	100	32, 33, 34, 35
Assessment Subject - 7: Support in Federal State Building						

Subject-wise indicator	Results			Basis of Validation	Weightage, %	Source: Article of the guideline
	Weak	Fair	Good			
Coordination with other agencies regarding small irrigation	Budget management is done only by the LGs (Basis 1)	Joint budget management by the LGs and the province or federal government (Basis: 1)	Joint budget management by the LG, Province and Federal government (Basis: 1)	1. Detailed study report or annual approved budget and program	100	36

Table 3. SIG Weighted Score Calculation from the Individual Indicator Score

Assessment area		Weightage ratio	Total scheme number	Score obtained						
SN	Subject heading			Scheme 1	Scheme 2	Scheme 3	Scheme ...	Total	Average	Weighted average
A	B	C	D	E	F	G	H	I	J	K
-	-	-	-	From project-specific indicators				E+F+..	I/D	JxC/100
1	Project selection and budget management	15								
2	Institutional work, duties and rights	15								
3	Formation and operation of WUAs	15								
4	Project implementation and management	20								
5	Technical evaluation, payment and settlement	10								
6	Transparency and good governance	15								
7	Support in Federal State Building	10								
	Total	100								

Table 4. SIG Effectiveness Rating

Score (weighted average)	Effectiveness	Definition/Remarks
0 to 40	Not Effective	Indicates poor functionality or weak institutional performance for SIG compliance; corrective action required.
41 to 60	Moderately Effective	Reflects partial functionality and progress on SIG compliance; targeted capacity strengthening needed.
61 to 80	Effective	Indicates functional and reasonably performing institutions for SIG compliance; minor improvements could enhance sustainability.
81 to 100	Highly Effective	Denotes well-functioning, efficient, and sustainable systems achieving expected outcomes for SIG compliance.

6.4 Time Frame

The data collection for the SIG assessment survey commenced on 5th Feb 2026 and was successfully completed on 9th April 2026, slightly beyond the initially planned date of 15th March because of various circumstances. The extended period allowed for more comprehensive data gathering and coordination with Local Governments, ensuring the quality and completeness of the information collected. A detailed timeline of the SIG assessment survey activities is presented in **Annex 1**.

7. Findings of the study

Data for the assessment were collected using the mWater/Solstice application and analyzed based on the monitoring indicators outlined in Section 6.3 and Table 2. The survey assessed the implementation status of SIG across 94 irrigation schemes, evaluating compliance across each of the seven thematic subjects.

For each Local Government, an overall ranking was determined by averaging the scores of all surveyed schemes within that LG, providing a comprehensive overview of SIG implementation and effectiveness at the local level.

7.1 Findings of assessment at scheme level

Among the 94 irrigation schemes surveyed, 91 were implemented under SIP support, while 3 schemes were independently developed by Local Governments using their own funding. Scores were assigned to each scheme based on the indicators across the seven thematic subjects outlined in Section 6.3.

The findings, assessment, and analysis of all 94 schemes - based on the scores allocated to individual indicators within the seven subjects - are summarized below. A detailed score sheet for each scheme is provided in **Annex 5**.

7.1.1 Project Selection & Budget Management

Among the 94 schemes assessed, performance on project selection and budget management shows a moderately positive outcome. A total of 35 schemes (37%) achieved a full score of 100, while 40 scheme (42%) achieved mid-range score i.e. 60. 18 scheme performance score ranged from 20 to 40.

This indicates that while basic compliance is present in many schemes, a large proportion still does not fully meet SIG requirements. The findings highlight the need for stronger documentation, improved prioritization processes, and stricter adherence to selection criteria during planning and budgeting stages

7.1.2 Institutional Work, Duties & Rights

The indicator on institutional work, duties, and rights within Water Users' Associations (WUAs) shows very weak performance and serious compliance gaps. Out of 94 schemes, 78 schemes (83%) scored zero, reflecting a widespread absence of WUA renewal processes and irrigation service fee collection practices. Only 16 schemes showed partial compliance, with scores ranging from 20 to 70, and no scheme achieved a full score of 100.

The average score is only 6.17, clearly indicating that institutional strengthening remains the most critical weakness area. This raises major concerns regarding the functionality, accountability, and sustainability of WUAs.

7.1.3 Formation & Operation of water users association

The assessment of WUA formation and operation shows excellent compliance across almost all schemes. A total of 91 schemes (97%) achieved a full score of 100, while only 2 schemes recorded zero scores. The average score is 97.61, indicating very strong institutional setup.

This demonstrates that compliance with SIG provisions related to women participation and representation in leadership positions is highly effective across most schemes, reflecting strong social inclusion practices

7.1.4 Project Implementation & Management

Performance in project implementation and management is strong and relatively consistent. Out of 94 schemes, 44 schemes (47%) achieved full score 100. The remaining majority of schemes 47 (50%) achieved excellent score above 90 which shows quite strong performance. Remaining 3 scheme (3%) performance are not satisfactory having range of score 20-60.

This reflects strong adaptation of SIG in project implementation and management indicator by local government. Key compliance areas such as construction modality, community participation, upfront cash collection, advance payment systems, orientation to WUAs, and monitoring by local governments are generally well followed.

However, variation among three schemes which were all implemented under Local government's own source indicates the need for standardized implementation practices and stronger supervision mechanisms in order to adapt the SIG.

7.1.5 Technical Evaluation, Payment & Settlement

The indicator on technical evaluation, payment, and settlement shows good but inconsistent performance. A total of 73 schemes (78%) achieved full compliance (score 100), while 3 schemes (3%) recorded zero scores, and other 18 schemes (19%) fell into partial compliance category having score 50.

This indicates that while majority of schemes follow required financial procedures such as bill submission and measurement book updates, a notable proportion still face documentation and procedural gaps. This result shows that technical evaluation and payment process is being smoothly carried out as per SIG; however, not recording field measurement in measurement book is a major gap for better performance.

7.1.6 Transparency & Good Governance

Overall, performance in transparency and good governance is strong across schemes. A total of 80 schemes (85%) achieved a full score of 100, while the remaining 6 schemes (6%) scored 80. This result shows that, 91 % scheme followed transparency and good governance excellently. This reflects strong compliance with governance tools: hoarding boards, public hearings, public reviews and public audits.

However, partial compliance in 8 schemes (9%) suggests the need for more consistent enforcement of transparency mechanisms.

7.1.7 Support in Federal State Building

The assessment of the indicator on support in building the federal state reveals a strong overall performance across the assessed irrigation schemes. This indicator measures the extent to which the three spheres of government - Federal, Provincial, and Local - contribute to the implementation of irrigation schemes, thereby strengthening the practical application of Nepal's federal governance system.

The indicator on support in federal state building shows excellent compliance across schemes. A total of 91 schemes (97%) achieved full score 100, while the remaining 3 schemes (3%) scored 75. No major zero-compliance issues were observed. This confirms that most schemes have successfully integrated federal, provincial, and local government contributions, demonstrating strong alignment with coexistence, collaboration and coordination, principles.

7.2 Findings of assessment at LG level

In the survey, SIG compliance of 94 irrigation schemes in seven subjects was assessed and average score of all schemes in each LG was determined. **Table 5** presents score detail of LGs against indicators (with weightage within parentheses) in seven subjects. **Table 5-a** summarizes the result of **Table 5** and thus shows the number of LGs receiving given range of scores in each subject. **Table 6** represents summary of results of LGs according to score and its effectiveness criteria. It shows that, 10 LG (42%) performance is highly effective having score above 80 whereas 14 LG (58%) performance is effective having score range 61-80 as per effectiveness criteria of **Table 6**.

Table 5: Local Government-wise Score of SIG Assessment Survey (figures within parentheses in each indicator represents weightage of that indicator)

S.N.	Name of Local Government	# Of Schemes	Scheme selection and budget management (15)	Institutional roles & responsibility (15)	WUA Formation & Operation (15)	Scheme Implementation and Management (20)	Technical Evaluation and Payment (10)	Transparency and Governance (15)	Support in Federal State Building (10)	Total (100)
1	Aamchowk Rural Municipality	3	15	0	15	20	10	15	10	85
2	Champadevi Rural Municipality	4	9	0	15	19	10	10	10	73
3	Chaudandigadhi Municipality	4	15	1	15	20	10	15	10	86
4	Chhathar Jorpati Rural Municipality	4	8	0	11	16	8	12	9	64
5	Chishankhu Gadhi Rural Municipality	3	3	0	15	19	5	14	10	66
6	Phalelung Rural Municipality	4	3	0	15	20	8	14	10	70
7	Phalgunanda Rural Municipality	4	11	5	15	19	10	14	10	84
8	Jante Dhunga Rural Municipality	3	15	5	15	20	10	15	10	90
9	Khiji Demba Rural Municipality	4	9	0	15	19	9	15	9	76
10	Khotelang Rural Municipality	5	15	0	15	20	10	15	10	85
11	Mahalaxmi Municipality	4	9	0	15	19	10	15	10	78
12	Manebhanjyang Rural Municipality	5	8	0	15	19	5	15	10	72
13	Mangsebung Rural Municipality	5	14	2	15	20	10	14	10	86
14	Menchhayayem Rural Municipality	4	9	0	15	19	10	15	10	78
15	Miklajung Rural Municipality	4	8	5	15	20	8	9	10	73
16	Pakhribas Municipality	4	9	0	11	16	8	12	9	65
17	Phedap Rural Municipality	4	9	0	15	19	10	12	10	75
18	Rautamai Rural Municipality	4	15	1	15	20	10	15	10	86
19	Rong Rural Municipality	3	15	4	15	20	10	15	10	89
20	Shadananda Municipality	4	9	0	14	17	8	12	9	70
21	Sunkoshi Rural Municipality	3	3	0	15	19	5	15	10	67

S.N.	Name of Local Government	# Of Schemes	Scheme selection and budget management (15)	Institutional roles & responsibility (15)	WUA Formation & Operation (15)	Scheme Implementation and Management (20)	Technical Evaluation and Payment (10)	Transparency and Governance (15)	Support in Federal State Building (10)	Total (100)
22	Triyuga Municipality	4	15	1	15	20	10	15	10	86
23	Tyamke Maiyum Rural Municipality	4	3	0	15	19	8	15	10	70
24	Yangbarak Rural Municipality	4	15	0	15	20	10	15	10	85

Table 6: SIG Implementation Effectiveness Measurement Result

Score (weighted average)	Effectiveness	Number of Local Government
0 to 40	Low Effective	0
41 to 60	Moderately Effective	0
61 to 80	Effective	14
81 to 100	Highly Effective	10

8. Analysis and Discussion

The SIG assessment survey, covering 24 LGs and 94 irrigation schemes, reveals an overall positive level of compliance with SIG requirements at the scheme level. The findings highlight several strong achievements, alongside critical areas requiring improvement.

Strong Performance Areas:

Significant achievements were noted in the following areas:

- **Formation and Operation of WUAs:** 96% of schemes achieved full scores, demonstrating strong community organization and participation.
- **Support in Federal State Building:** 97% of schemes scored full, indicating active engagement of LGs in strengthening federal governance processes
- **Transparency and Good Governance:** 85% of schemes achieved full scores, reflecting commendable practices in public accountability and transparency.
- **Technical Evaluation, Payment, and Settlement:** 77% of schemes performed fully in ensuring procedural and technical compliance.

However, Institutional Roles, Duties, and Rights emerged as the weakest areas, with 82% of schemes scoring zero. This underscores persistent challenges related to WUA renewal and irrigation service fee collection, both of which are critical to institutional resilience and the long-term sustainability of irrigation systems.

Performance at the LG level (Refer below Figure 2):

- **Highly Effective LGs (42%)** – Ten LGs scored above 81, demonstrating strong performance across all five key indicators: WUA Formation and Operation, Scheme Implementation and Management, Transparency and Good Governance, Support in Federal State Building, and Technical Assessment, Payment, and Settlement. These include Aamchowk Rural Municipality, Chaudandigadhi Municipality, Phalgunanda Rural Municipality, Jante Dhunga Rural Municipality, Khotelang Rural Municipality, Mangsebung Rural Municipality, Rautamai Rural Municipality, Rong Rural Municipality, Triyuga Municipality and Yangbarak Rural Municipality.
- **Effective LGs (58%)** – Fourteen LGs scored between 60 and 80, showing relatively strong performance in WUA Formation and Operation and Scheme Implementation and Management and federal state building but weaker results in Institutional Roles, Duties, and Rights, Scheme selection and Budget Management and payment and settlement. These include Champadevi Rural Municipality, Chhathar Jorpati Rural Municipality, Chishankhu Gadhi Rural Municipality, Phalelung Rural Municipality, Khiji Demba Rural Municipality, Mahalaxmi Municipality, Manebhanjyang Rural Municipality, Menchhayayem Rural Municipality, Miklajung Rural Municipality, Pakhribas Municipality, Phedap Rural Municipality, Shadananda Municipality, Sunkoshi Rural Municipality, Tyamke Maiyum Rural Municipality

Major Strengths of LGs

- WUA Formation and Operation performed very well across almost all LGs.
- Scheme Implementation and Management scores were generally high.
- Transparency and Governance mechanisms are functioning reasonably well.
- Federalism Support received strong scores in most LGs.

Major Weaknesses of LGs

- Institutional Roles and Responsibilities is the weakest area across nearly all LGs.
- Several LGs showed weaker performance in:
 - Scheme Selection and Budget Management
 - Technical Evaluation and Payment Procedures
- Lower-performing LGs (Chhathar Jorpati, Pakhribas, Chishankhugadhi, and Sunkoshi) need targeted capacity support in planning, institutional arrangements, and technical oversight.

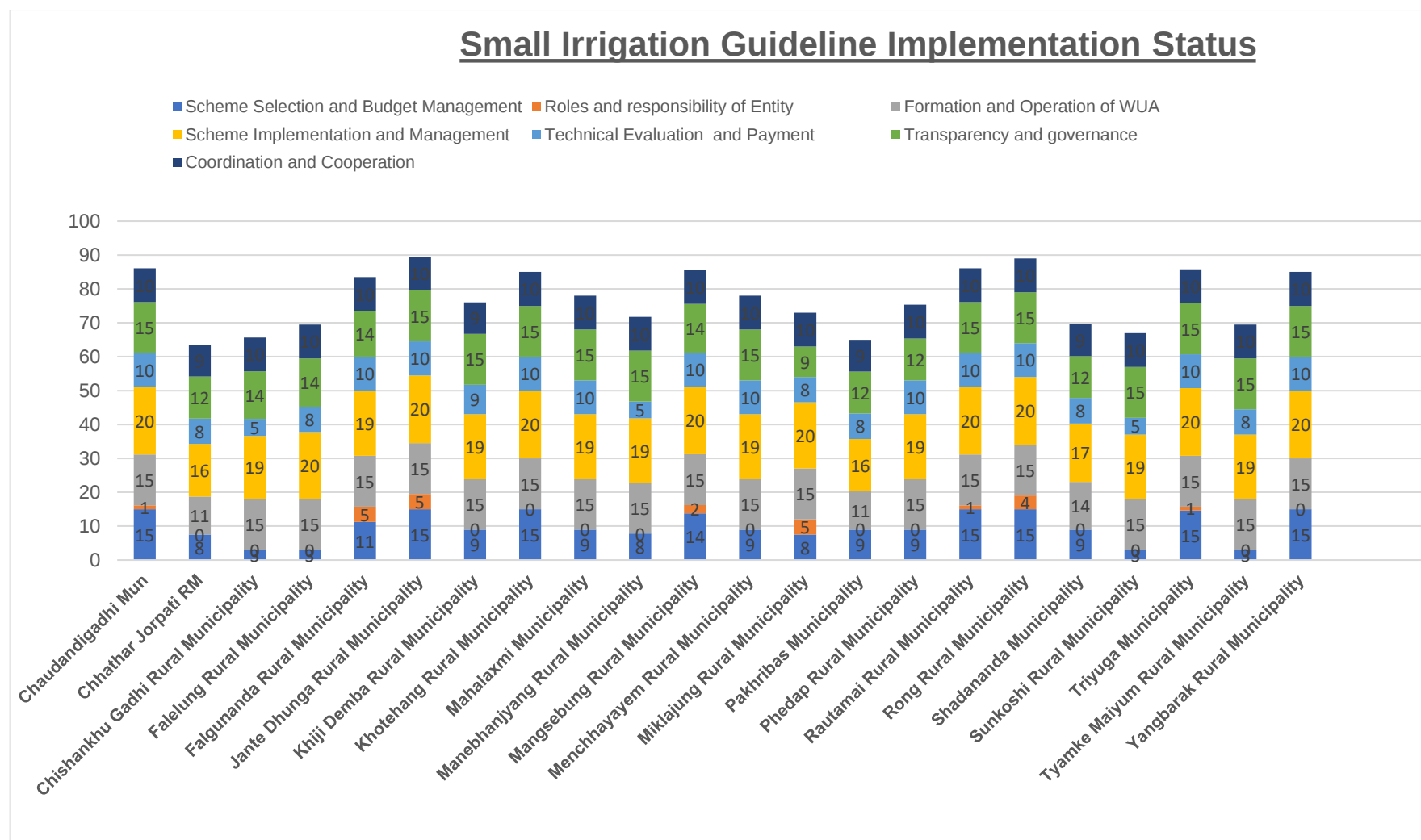


Figure 2: Local Government wise average score on seven subject wise indicators

9. Conclusion

The assessment of the implementation and compliance of the Small Irrigation Guidelines (SIG) by Local Governments in Koshi Province reveals a generally positive and encouraging level of adherence towards one-window policy. Covering 24 Local Governments and 94 irrigation schemes, the study indicates that the SIG has been widely adopted as a guiding framework for the planning, implementation, operation, and management of small irrigation systems. This reflects the increasing institutional commitment of Local Governments toward systematic, transparent, and participatory irrigation development. However, the level of compliance varies across indicators and among Local Governments.

The assessment demonstrates strong performance in several key areas, particularly in the formation and operation of Water Users' Associations (WUAs), support for federal state building through cost-sharing mechanisms among the three spheres of government, transparency and good governance practices, and technical assessment, payment, and settlement procedures. These findings suggest that most Local Governments are effectively applying the principles of the SIG to promote stakeholder participation, accountability, and coordinated governance in irrigation development.

Despite these positive results, the assessment also identifies several areas requiring further improvement. Relatively weaker performance was observed in the implementation of institutional duties and rights, particularly concerning the regular renewal of WUA registration and the systematic collection of irrigation service fees as well as project selection and budget management process. These shortcomings may affect the long-term sustainability, ownership by WUA and financial scarcity for repair & maintenance of irrigation systems. Similarly, gaps remain in project selection procedures, record keeping, documentation, and technical verification processes, indicating the need for stronger compliance with guideline provisions.

Overall, the assessment indicates a strong level of compliance with, and institutionalization of, the Small Irrigation Guidelines (SIG) among Local Governments. Of the 24 Local Governments assessed for SIG compliance, 42% demonstrated highly effective performance, while the remaining 58% were categorized as effective. Notably, no Local Government fell into the moderately effective or low-effectiveness categories, reflecting a positive trend in the mainstreaming of SIG principles and practices across the province.

The findings suggest that Local Governments have largely embraced the small irrigation guideline as a framework for planning, implementation, governance, and management of small irrigation schemes. However, variations in performance across specific indicators highlight the need for continued efforts to strengthen institutional capacity of WUA and strong mechanism of local government for project selection process, technical evaluation and payment process.

10. Recommendation

Based on the assessment findings, the following recommendations are proposed for Local Governments. These recommendations aim to strengthen compliance with the Small Irrigation Guidelines (SIG), enhance institutional functionality, and promote sustainability of small irrigation systems.

A. Strategic Level

- **Strengthen Institutional Capacity and Leadership:** Build sustained institutional capacity of LGs and WUAs through regular training, mentoring, and technical backstopping, emphasizing accountability, documentation, and irrigation governance.

- **Promote Inter-Governmental Coordination:** Seek to foster stronger coordination and collaboration among the federal, provincial, and local spheres of government to align planning, budgeting, and resource mobilization for small irrigation development.
- **Institutionalize Monitoring and Learning:** Lobby for establishing a province level SIG compliance monitoring and learning system to capture good practices, identify gaps, and guide continuous improvement.

B. Policy Level

- **Enforce WUA Renewal and Fee Collection:** Institutionalize mandatory annual renewal of WUAs and systematic collection of irrigation service fees through municipal bylaws and planning guidelines.
- **Strengthen Compliance Requirements:** Lobby for incorporating SIG compliance indicators into municipal performance assessment and resource allocation frameworks to ensure adherence and accountability.
- **Promote Transparency and Governance Standards:** Mandate public audits, public hearings, and hoarding board displays for all irrigation schemes as prerequisites for final payment approval.

C. Programmatic Level

- **Improve Scheme Selection and Documentation:** Ensure all schemes follow the SIG-defined process based on farmer demand, technical feasibility, and prioritization and maintain proper records for audit and verification.
- **Enhance Technical and Financial Processes:** Require complete measurement books, verified bills, and monitoring reports before payment disbursement; conduct periodic internal audits of scheme implementation.
- **Support WUA-Led Implementation:** Prioritize WUA-led construction for small-scale schemes within SIG thresholds, accompanied by orientation, upfront maintenance fund collection, and on-site monitoring.
- **Facilitate Peer Learning:** Arrange for lower-performing LGs to learn from highly effective municipalities through exposure visits and knowledge exchange on SIG implementation practices.

The above recommendations emphasize that improving institutional accountability, policy enforcement, and operational efficiency will enable all Local Governments to achieve higher compliance and move toward “Highly Effective” performance. Strengthened institutional culture and continuous learning are essential to sustain the results and ensure long-term functionality of small irrigation systems across Koshi Province.

Annexes:

Annex 1. Timeline of SIG assessment survey, 2026

S.N.	Activity	Details/Description	Responsible	Deadline	Remarks/Notes
1	Finalization of Questionnaires	Finalize questionnaires by learning of last year survey	PMISC Program Team	15 th Jan 2026	Final version to be uploaded to Solstice
2	Upload final Questionnaires in Solstice	Upload finalized tools to Solstice system for field use	PMISC Program Team	19 th Jan 2026	Ensure functionality and access for cluster teams
3	Selection of LGs for Assessment	Identify 6 LGs (each cluster) for SIG assessment	Cluster Coordinators	15 th Jan 2026	Selection based on SIG publication status
4	Selection of Sample Schemes	2 SIP and 2 non-SIP schemes per cluster per selected LG; if non-SIP not available, increase SIP samples accordingly	Cluster Coordinators , LG representatives	26 th Jan, 2026	Sampling after confirmation of SIG publication, To confirm the available non-SIP schemes.
5	Orientation to Assessment Team	Orientation on importance/objectives, methodology, tools, and responsibilities	PMISC Program Team	28 th Jan, 2026	Ensure participation of Cluster Coordinators, Irrigation Engineers
6	Data collection	Conduct data collection at selected schemes (SIP and non-SIP)	Cluster Coordinators , IEs, PMISC	5 th - 30 th Feb, 2026	Monitor quality and adherence to timeline

S.N.	Activity	Details/Description	Responsible	Deadline	Remarks/Notes
7	Data Collection (for remaining scheme having different problem)	Conduct data collection at selected schemes (SIP and non-SIP)	Cluster Coordinators , IEs, PMISC	1 st - 15 th March, 2026	Will conduct survey in remaining Palika/scheme where could not conduct survey in no. 6 timeline
8	Data Compilation and Quality Checks	Compile, clean, and verify data for consistency	PMISC M&E Team	1 st -15 th March, 2026	Address gaps before analysis
9	Data Analysis	Analyze field data in line with SIG assessment framework	PMISC Program Team	15 th -20 th March, 2026	Ensure alignment with SIG indicators
10	Draft Assessment Report Preparation	Prepare draft report highlighting key findings, gaps, and recommendations	PMISC Program Team	End of March, 2026	Circulate for internal review
11	Finalization of Assessment Report	Incorporate feedback and submit final report	PMISC Program Team	1 st -10 th April, 2026	To finalize report incorporating SDC's feedback.

Annex 2. List of Sample schemes and LGs

S. N.	Local Government Name	District	Cluster	Scheme Name	Fiscal Year	Implementing Agency
1	Mangsebung Rural Municipality	Ilam	Fikkal	Khogikhola Singlung Sichai Yojana	2081-82	SIP
2	Mangsebung Rural Municipality	Ilam	Fikkal	Lamphe khola Nangrung Agri kulo Sichai yojana	2081-82	SIP
3	Mangsebung Rural Municipality	Ilam	Fikkal	Lampate IP	2080-81	SIP
4	Mangsebung Rural Municipality	Ilam	Fikkal	Sandrem Sichai Yojana	2081-82	SIP
5	Mangsebung Rural Municipality	Ilam	Fikkal	Phewa Bikase Sichai Yojana	2080-81	SIP
6	Rong Rural Municipality	Ilam	Fikkal	Telpani Katahare Irrigation Project	2080-81	SIP
7	Rong Rural Municipality	Ilam	Fikkal	Nakhopa Puchar Gaun Jyamire Masar Irrigation Project	2080-81	SIP
8	Rong Rural Municipality	Ilam	Fikkal	Jhatore Irrigation project	2078-79	SIP
9	Phalelung Rural Municipality	Panchthar	Fikkal	Chemacheme Lamidanda Ogemba Bansbote Irrigation Project	2081-82	SIP
10	Phalelung Rural Municipality	Panchthar	Fikkal	Dhunwakhola Dhunge Thokpan Barbote Irrigation Project	2081-82	SIP
11	Phalelung Rural Municipality	Panchthar	Fikkal	Luwakhola Kharibote Irrigation project	2080-81	SIP
12	Phalgunanda Rural Municipality	Panchthar	Fikkal	Pucchar kulo	2080-81	SIP
13	Phalgunanda Rural Municipality	Panchthar	Fikkal	Timbure sinchai yojana	2080-81	SIP
14	Phalelung Rural Municipality	Panchthar	Fikkal	Baldegre Kharibote Simalbote Irrigation project	2080-81	SIP
15	Yangbarak Rural Municipality	Panchthar	Fikkal	Falam Khola Irrigation Project	2080-81	SIP

S. N.	Local Government Name	District	Cluster	Scheme Name	Fiscal Year	Implementing Agency
16	Yangbarak Rural Municipality	Panchthar	Fikkal	Nawakhola Simle Irrigation Project	2080-81	SIP
17	Phalgunanda Rural Municipality	Panchthar	Fikkal	Sartaap Dosro Bikase Kulo	2080-81	SIP
18	Phalgunanda Rural Municipality	Panchthar	Fikkal	Syanba kholya IP	2080-81	SIP
19	Yangbarak Rural Municipality	Panchthar	Fikkal	Badhare Irrigation Project	2080-81	SIP
20	Yangbarak Rural Municipality	Panchthar	Fikkal	Kerabari Irrigation Project	2080-81	SIP
21	Miklajung Rural Municipality	Panchthar	Fikkal	Majhuwa kulo IP	2080-81	SIP
22	Miklajung Rural Municipality	Panchthar	Fikkal	Pasale Kulo IP	2080-81	SIP
23	Miklajung Rural Municipality	Panchthar	Fikkal	Dhode Irrigation Project	2080-81	SIP
24	Miklajung Rural Municipality	Panchthar	Fikkal	Nepal Singh Irrigation project	2080-81	SIP
25	Chhathar Jorpati Rural Municipality	Dhankuta	Dhankuta	Chachalahang Kulo IP	2081-82	LG implemented
26	Chhathar Jorpati Rural Municipality	Dhankuta	Dhankuta	Odare khoptole kulo sichai yojana	2081-82	SIP
27	Chhathar Jorpati Rural Municipality	Dhankuta	Dhankuta	Karunje mul Khatri Gau soti kulo Irrigation Project	2081-82	SIP
28	Chhathar Jorpati Rural Municipality	Dhankuta	Dhankuta	Phaprekholo Kulo IP	2081-82	SIP
29	Mahalaxmi Municipality	Dhankuta	Dhankuta	Mahamaya Alaiche Shera Kulo IP	2081-82	SIP
30	Mahalaxmi Municipality	Dhankuta	Dhankuta	Laxmi khola Rai tole Janta kulo Irrigation Project	2081-82	SIP
31	Mahalaxmi Municipality	Dhankuta	Dhankuta	Chauki Danda Ganeshtar Kulo IP	2081-82	SIP
32	Mahalaxmi Municipality	Dhankuta	Dhankuta	Telung theguwa khola khinidanda okharbote kulo sichai yojana	2081-82	SIP
33	Pakhribas Municipality	Dhankuta	Dhankuta	Guhelo Kulo IP	2081-82	LG implemented
34	Pakhribas Municipality	Dhankuta	Dhankuta	Jamune Kulo IP	2081-82	SIP
35	Pakhribas Municipality	Dhankuta	Dhankuta	Pandhere Bagh IP	2081-82	SIP

S. N.	Local Government Name	District	Cluster	Scheme Name	Fiscal Year	Implementing Agency
36	Pakhribas Municipality	Dhankuta	Dhankuta	Takuwa kulo irrigation project	2081-82	SIP
37	Shadananda Municipality	Bhojpur	Dhankuta	Chhiruwa Khola Kulo IP	2081-82	LG implemented
38	Shadananda Municipality	Bhojpur	Dhankuta	Pipli bote lapse rayale irrigation project	2081-82	SIP
39	Shadananda Municipality	Bhojpur	Dhankuta	Lakhuwa Dangmaya Danda Khet Kulo IP	2081-82	SIP
40	Shadananda Municipality	Bhojpur	Dhankuta	Kakuwa khola payakha Rijal Danda kulo IP	2081-82	SIP
41	Menchhayayem Rural Municipality	Terhathum	Dhankuta	Asiney Gufa Kulo IP	2081-82	SIP
42	Menchhayayem Rural Municipality	Terhathum	Dhankuta	Khorbari Jaiman Aange kulo IP	2081-82	SIP
43	Menchhayayem Rural Municipality	Terhathum	Dhankuta	Khanate Khola Sailejum Danda Irrigation Project	2081-82	SIP
44	Menchhayayem Rural Municipality	Terhathum	Dhankuta	Sumlung Naya Kulo Labri IP	2081-82	SIP
45	Phedap Rural Municipality	Terhathum	Dhankuta	Dhode Ambote Kulo IP	2081-82	SIP
46	Phedap Rural Municipality	Terhathum	Dhankuta	Sigalpa Ghansuwa Dhunge Besi Chhalange Kulo IP	2081-82	SIP
47	Phedap Rural Municipality	Terhathum	Dhankuta	Sabewa Khola Kamrung Bhoje Kulo IP	2081-82	SIP
48	Phedap Rural Municipality	Terhathum	Dhankuta	Paire raja tintalle Kulo irrigation project	2081-82	SIP
49	Champadevi Rural Municipality	Okhaldhunga	Okhaldhunga	Simle Khola Muhan Gari Tallo Daduwa IP	2081-82	SIP
50	Champadevi Rural Municipality	Okhaldhunga	Okhaldhunga	Fedikhola Muhan Gari Tari Lamatar IP	2081-82	SIP
51	Champadevi Rural Municipality	Okhaldhunga	Okhaldhunga	kagate Khola IP	2081-82	SIP
52	Champadevi Rural Municipality	Okhaldhunga	Okhaldhunga	Madeuthan Muhan Boribote Datrunge Irrigation Project	2081-82	SIP
53	Chishankhu Gadhi Rural Municipality	Okhaldhunga	Okhaldhunga	Dahakhola kulo thumki IP	2080-81	SIP
54	Chishankhu Gadhi Rural Municipality	Okhaldhunga	Okhaldhunga	Bhalukhop khahare IP	2080-81	SIP
55	Chishankhu Gadhi Rural Municipality	Okhaldhunga	Okhaldhunga	Jogikutti muhan ghari golebare jaukhet tithabote IP	2081-82	SIP

S. N.	Local Government Name	District	Cluster	Scheme Name	Fiscal Year	Implementing Agency
56	Khiji Demba Rural Municipality	Okhaldhunga	Okhaldhunga	Narkate IP	2081-82	SIP
57	Khiji Demba Rural Municipality	Okhaldhunga	Okhaldhunga	Salmu Lasabari Kaidaru Pepe Tarche IP	2081-82	SIP
58	Khiji Demba Rural Municipality	Okhaldhunga	Okhaldhunga	Ranjana School Bata Dhunge Chautara IP	2081-82	SIP
59	Khiji Demba Rural Municipality	Okhaldhunga	Okhaldhunga	Kudekhola Plapchu Lusu Manekhet IP	2080-81	SIP
60	Manebhanjyang Rural Municipality	Okhaldhunga	Okhaldhunga	Bangdaha IP	2081-82	SIP
61	Manebhanjyang Rural Municipality	Okhaldhunga	Okhaldhunga	Ambote khola Bhandare IP	2081-82	SIP
62	Manebhanjyang Rural Municipality	Okhaldhunga	Okhaldhunga	Kanle kulo dhamelegau IP	2081-82	SIP
63	Manebhanjyang Rural Municipality	Okhaldhunga	Okhaldhunga	Agdu khola masar kasle IP	2081-82	SIP
64	Manebhanjyang Rural Municipality	Okhaldhunga	Okhaldhunga	kalo khola Muhan Simpani IP	2081-82	SIP
65	Sunkoshi Rural Municipality	Okhaldhunga	Okhaldhunga	Para khole Karamgara IP	2081-82	SIP
66	Sunkoshi Rural Municipality	Okhaldhunga	Okhaldhunga	Majhuwa matekhola muhan aaptar pipaldanda thumki IP	2081-82	SIP
67	Sunkoshi Rural Municipality	Okhaldhunga	Okhaldhunga	Thulo khola IP	2081-82	SIP
68	Temke Maiyum Rural Municipality	Bhojpur	Okhaldhunga	Pachmure kulo IP	2081-82	SIP
69	Teke Maiyum Rural Municipality	Bhojpur	Okhaldhunga	Kartike girgire IP	2081-82	SIP
70	Teke Maiyum Rural Municipality	Bhojpur	Okhaldhunga	Sattale thulo kha gogane Ip	2081-82	SIP
71	Teke Maiyum Rural Municipality	Bhojpur	Okhaldhunga	Maksa kulo marmat cholanti IP	2081-82	SIP
72	Rautamai Rural Municipality	Udayapur	Udayapur	Triyuga Mul Kulo Sinchai	2081-82	SIP
73	Rautamai Rural Municipality	Udayapur	Udayapur	Hulma Tintale Mahajini Devithan Sinchai	2081-82	SIP

S. N.	Local Government Name	District	Cluster	Scheme Name	Fiscal Year	Implementing Agency
74	Rautamai Rural Municipality	Udayapur	Udayapur	Chuwabote dhunge swapkha sinchai	2081-82	SIP
75	Rautamai Rural Municipality	Udayapur	Udayapur	Nikas chiuribot sinchai kulo marmat	2081-82	SIP
76	Triyuga Municipality	Udayapur	Udayapur	Bagartol Sinchai	2081-82	SIP
77	Triyuga Municipality	Udayapur	Udayapur	Bhorle khola sinchai kulo marmat	2081-82	SIP
78	Triyuga Municipality	Udayapur	Udayapur	Dhate Mathillo kulo marmat	2081-82	SIP
79	Triyuga Municipality	Udayapur	Udayapur	Mathillo kunte odare krishi kulo	2081-82	SIP
80	Khotelang Rural Municipality	Khotang	Udayapur	Walam khola ditung rai tole sinchai	2081-82	SIP
81	Khotelang Rural Municipality	Khotang	Udayapur	Meel kulo marmat sinchai	2081-82	SIP
82	Khotelang Rural Municipality	Khotang	Udayapur	Sawa khola barhabise katarbot sinchai	2081-82	SIP
83	Khotelang Rural Municipality	Khotang	Udayapur	Satbise mul kulo sinchai	2081-82	SIP
84	Khotelang Rural Municipality	Khotang	Udayapur	Agri kulo sinchai	2081-82	SIP
85	Jante Dhunga Rural Municipality	Khotang	Udayapur	Sawakhola bhanumati sinchai	2081-82	SIP
86	Jante Dhunga Rural Municipality	Khotang	Udayapur	Sarkari kulo nirman	2081-82	SIP
87	Jante Dhunga Rural Municipality	Khotang	Udayapur	Rumruma khola sinchai	2081-82	SIP
88	Chaudandigadhi Municipality	Udayapur	Udayapur	Kalitar Tallo Sinchai	2081-82	SIP
89	Chaudandigadhi Municipality	Udayapur	Udayapur	Pandhere Khola Sinchai	2081-82	SIP
90	Chaudandigadhi Municipality	Udayapur	Udayapur	Bishnujug Sinchai	2081-82	SIP
91	Chaudandigadhi Municipality	Udayapur	Udayapur	Chisapani kulo marmat	2081-82	SIP
92	Aamchowk Rural Municipality	Bhojpur	Udayapur	Sipak Sinchai Yojana	2081-82	SIP
93	Aamchowk Rural Municipality	Bhojpur	Udayapur	Makhu khola khumting sinchai yojana	2081-82	SIP
94	Aamchowk Rural Municipality	Bhojpur	Udayapur	Yekhuwa khola sinchai yojana	2081-82	SIP

Annex 3. Questionnaire of the SIG Assessment Survey

S.N.	Monitoring Questionnaire	Answer	Question type
A	General information		
1	Monitoring date		Keep a calendar for the date.
2	Cluster/Institution Name	a. Dhankuta Cluster b. pale cluster c. Okhaldhunga Cluster d. Udaipur Cluster e. PMISC, Biratnagar	Drop down list (single choice)
3	Name of the Surveyor (on behalf of the Small Irrigation Project)		Drop down list (all SSO, program staff of PMISC, STO)
4	Surveyor's post (for small irrigation works)	a. Cluster Coordinator c. Senior Technical Officer (STO) c. Technical Officer (TO) d. Irrigation Engineer (IE) e. Planning and Monitoring Officer (PMO) f) Others (PMSSS, SIE, MIS/GISS)	Drop down list (single choice)
5	Name of the surveyor (on behalf of the local government)		Manual Entry
6	Surveyor's position (on behalf of the local government)		Manual Entry
7	People met during the survey	a) Mayor / President of RM/Mum b) Deputy mayor/ Deputy president of Mun/RM c) Chief Executive Officer d) Chief of Planning section/Employee e) Chief of Agriculture section /Employees f) Chief of technical section /Employee g) Chief of Accounting section / Employee	Drop down list (Multiple choice)
8	Date the local government implemented the Small Irrigation Directive		Keep a calendar for the date.
B	Municipality details		

S.N.	Monitoring Questionnaire	Answer	Question type
9	Province	7 provinces	Drop down list (single choice)
10	District	77 districts	Drop down list (single choice)
11	Municipality	753 municipalities	Drop down list (single choice)
12	Ward No		Drop down list (single choice)
13	Name of irrigation scheme		Drop down list (single choice)
14	Year of completion of irrigation scheme		
15	Total irrigated area (CCA) of irrigation projects, in hectares		
16	Households benefiting from irrigation projects		
17	Irrigation implementing agency	a) Under small irrigation projects a) Only through local government c) Implemented by other Organization d) Partnership between local government and other organizations	Drop down list (single choice)
18	Planning and Operating Procedures	a) Through the water user's Association b) Through construction business and water user Association (both methods) c) Through the construction business	Drop down list (single choice)
19	Total expenditure on irrigation projects (Rs.)		
C	Indicators for evaluating compliance or implementation of the Small Irrigation Project Operation Guidelines		
1	Assessment Topic Area-1: Project Selection and Budget Management	Aadhaar indicator (mark whether it is present or not)	
1.a)	Irrigated area of the project Bases 1. Detailed study report or annual approved budget and program	a) Irrigated area is more than 50 hectares (basis 1) b) The irrigated area is more than 50 hectares, but approval has been obtained from the province (basis 1) c) Irrigated area is less than 50 hectares (basis 1)	Drop down list (Single choice)
	Take a photo of the paper for Question No. 1 (a).		Photo
1.b)		1. Farmer's plan request application 2. Recommendation of ward or thematic committee	Drop down list (Multiple choice)

S.N.	Monitoring Questionnaire	Answer	Question type
	Plan Request, Recommendation and Selection (Please mark only those that have been reviewed and approved by the document)	3. Prioritization report	
		4. Detailed study report	
		5. Annual approved budget and program	
	Take a photo of the farmer's plan application form available in Question No. 1 b).		Photo
	Take the recommended photos of the ward or thematic committee available in Question No. 1 b).		Photo
	Take a photo of the prioritization report available in Question No. 1 b).		Photo
	Take a photo of the detailed study report available in Question No. 1 b).		Photo
	Take a photo of the annual approved budget and program available in Question No. 1 b).		Photo
1 c)	If there is anything more		Manual Entry
2	Assessment Topic Area-2: Institutional Functions, Duties, and Powers		
2.a)	Irrigation service fee Bases 1. Minute with details of the amount raised 2. Bank/cooperative voucher, minute of the amount mobilized	a) Fee not charged (no basis required)	Drop down list (Single choice)
		b) Fees levied but not regularly (monthly, annual, crop-wise or other) (Bases 1 and 2)	
		c) Fees collected regularly (Bases 1 and 2)	
2.b)	Institution Renewal Bases: 1. Mark the correct answer based on the certificate of institution registration/renewal	a) Institution not renewed (Aadhaar not required)	Drop down list (Single choice)
		b) Institution renewal is not regular (Base 1)	
		c) The institution has been renewed regularly (annually) (Base 1)	
	Take a photo of the paper for Question No. 2 (a) and 2 (b).		Photo
2 c)	If there is anything more		Manual Entry
3	Assessment Topic-3: Formation and Operation of Water users Association (WUA)		
3. a)	Status of women's representation in water user Association (WUAs) Bases 1. Bidhan of WUA	a) There is no representation of women in the WUA (basis: 1& 2)	Drop down list (Single choice)
		b) Provisions have been made in the Bidhan as specified in the guideline, but there is no representation of women accordingly (basis: 1 & 2)	

S.N.	Monitoring Questionnaire	Answer	Question type
	2. Name List of WUA committee	c) Provisions have been made in the statute as specified in the directive and women are represented accordingly (basis 1 and 2)	
3.b)	One of the key positions (President, Secretary or Treasurer) is held by a female officeholder. Bases 1. Bidhan of WUA 2. Name List of WUA committee	a) There is no female office bearer in any of the key positions (basis: 1 and 2) b) There is provision in the statute as specified in the directive, but there are no female office bearers as per it (basis: 1 and 2) c) Provisions have been made in the statute as specified in the directive and accordingly, there are female office bearers in the institution (basis: 1 and 2)	Drop down list (Single choice)
	Take a photo of the paper for questions 3 (a) and 3 (b).		Photo
3 c)	If there is anything more		Manual Entry
4	Assessment Area-4: Project Implementation and Management		
4.a)	Construction Execution Method Bases 1. Construction contract with the municipality – WUA 2. Construction contract with the LGs - Construction contractor	a) The construction and maintenance of the project, which was within the budget limit specified in the guidelines, was also carried out through contracts without any explanation (Basis: 2) b) Construction and maintenance work of the project within the amount limit specified in the guidelines was carried out through any project itself and any project contract without any explanation (Basis: 1 & 2) c) Construction and maintenance work of the project within the amount limit specified in the guidelines has been carried out through the agency (Basis 1)	Drop down list (Single choice)
4.b)	Public participation Bases 1. WUA - LG Agreement 2. Payment Details/Bill	a) The provision for public participation as specified in the guidelines is not included in the WUA -Municipality* agreement (Basis: 1) b) The agreement includes provisions for public participation as specified in the guidelines, but the public participation portion is not met when making payments (Basis: 1 & 2) c) The agreement contains provisions for public participation as specified in the guidelines and the	Drop down list (Multiple choice)

S.N.	Monitoring Questionnaire	Answer	Question type
		payment has been made after deducting the public participation portion accordingly (Basis 1 & 2).	
4 c)	Advance Maintenance Fund (Bases) 1. Minute of the meeting regarding the details of the amount withdrawn 2. Bank voucher showing the amount deposited	a) The agreement does not include a provision for a maintenance fund as specified in the guidelines (Basis:1) b) The maintenance amount as specified in the guidelines has been deposited but not withdrawn proportionately (Basis 1& 2) c) The maintenance amount as specified in the guidelines has been collected and deposited proportionally (Basis 1 & 2)	Drop down list (Single choice)
4. d)	Advance payment Bases 1. WUA-LG Agreement 2. Advance Payment Details/Bill	a) The agreement does not mention the provision of advance payment as specified in the guidelines (Basis: 1) b) The agreement mentions that the advance payment as specified in the guidelines will be provided, but it was not provided accordingly (Basis: 1 & 2) c) The agreement mentions the provision of advance payment as specified in the guidelines and it was provided accordingly (Basis: 1 & 2)	
4.e)	Municipality provides orientation to residents on project Bases 1. Municipality documents/costs (Orientation Report)	a) The municipality has not provided orientation on the project to the concerned person as specified in the guidelines (no basis required) b) The municipality has provided orientation to the concerned person regarding the project as specified in the guidelines, but there is no report on it (no basis required) c) The municipality has provided orientation to the concerned persons regarding the project as specified in the guidelines and prepared a report on the same (basis 1)	Drop down list (Single choice)
4 f)	Monitoring by the Municipal Monitoring Committee before final bill payment Bases 1. Final Bill Document	a) No monitoring by the Municipal Monitoring Committee before final bill payment (no basis required)	Drop down list (Single choice)

S.N.	Monitoring Questionnaire	Answer	Question type
	2. Monitoring Report Attached to the Bill (Schedule-7)	b) Monitoring was conducted by the Municipal Monitoring Committee before the final bill payment, but there is no report (Basis: 1)	
		c) Monitoring was conducted by the Municipal Monitoring Committee before the final bill payment and a report was prepared (basis: 1 & 2)	
	Take a photo of the paper for Question No. 4 (a) to 4 (f).		Photo
4 a)	If there is anything more		Manual Entry
5	Assessment Topic Area-5: Technical Assessment, Payment and Settlement		
5.a)	Assessment Topic Area-5: Technical Assessment, Payment and Settlement Assessment (Bases) 1. Measurement details/measurement book attached to the bill submitted to the municipality	a) Measurement details not submitted with the bill (no basis required)	Drop down list (Single choice)
		b) An open document containing the details of the survey was submitted along with the bill but was not entered in the municipality's survey book (Basis 1)	
		c) A survey book containing the details of the survey has been submitted along with the bill (Basis 1)	
	Question No. 5 a) Take a photo of the available documents.		
5 b)	If there is anything more		Manual Entry
6	Hoarding boards, public hearings, public reviews and public testing		
6.a)	Hoarding boards, public hearings, public reviews and public testing (Bases) 1. Hoarding board placed in a visible place 2. Minutes of public hearing 3. Minutes of public review 4. Minutes of public audit	a) Complying with any one of the provisions (basis: 1 to 4)	Drop down list (Single choice)
		b) Complying with only any 3 provisions (basis:1 to 4)	
		c) All provisions have been complied with (basis: 1 to 4)	
	Photo of the document available in question no. 6		
6 b)	If there is anything more		Manual Entry
7	Coordination with other agencies regarding small-scale irrigation		Photo
7.a)		A) The budget is managed solely by the municipality.	Drop down list (Single choice)

S.N.	Monitoring Questionnaire	Answer	Question type
	Coordination with other agencies regarding small irrigation Base 1 1. Detailed study report or annual approved budget and program	b) Joint budget management by the municipality and the province c) Joint budget management by the municipality, province, and federal government	
	Photo of the document available in question no. 7		
7 b)	If there is anything more		Manual Entry
	Photo of the document available in question no. 7		
8	Are there any suggestions and advice for revising the irrigation guidelines of the municipality/city based on the implementation experience after the implementation of the small irrigation guidelines? *	A) Yes A) No	Drop down list (single choice)
	If the answer is yes, go to question no. 9 and if not, go to question no. 10.		
9	If so, what are the items to be amended? *	manual entry	
10	If there are any additional matters on behalf of the surveyor, please mention them point by point *	manual entry	

Annex 4. Scheme wise score of irrigation scheme

SN	Name of Irrigation scheme	District	RM/ Mun	Ward no.	Implementing Agency	Irrigated area by scheme	Plan request, recommendation and selection	Irrigation service fee	Renewal of scheme	Status of women's representation in WUA	At least one women vital position	Construction implementation method	Public participation	Upfront cash fund	Advance	Municipality provides orientation to WUA	Monitoring by the Municipal Monitoring Committee before final bill payment	Technical evaluation, payment and differential evaluation	Hoarding board, public hearing, public review and public audit
1	Dhunwakhola Dhunge Thokpan Barbote Irrigation Project	Panchthar	Falelung Rural Municipality	7	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
2	Agdu khola masar kasle IP	Okhaldhunga	Manebhanjyang Rural Municipality	9	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
3	Agri kulo sinchai	Khotang	Khotelang Rural Municipality	3	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
4	Ambote khola Bhandare IP	Okhaldhunga	Manebhanjyang Rural Municipality	9	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
5	Asiney Gufa Kulo IP	Terhathum	Menchhayayem Rural Municipality	4	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
6	Badhare Irrigation Project	Panchthar	Yangbarak Rural Municipality	3	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
7	Bagartol Sinchai	Udayapur	Triyuga Municipality	8	SIP	Fair	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

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8	Baldegre Kharibote Simalbote Irrigation project	Panchthar	Falelung Rural Municipality	8	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Fair	Fair
9	Bangdaha IP	Okhaldhunga	Manebhanjyang Rural Municipality	2	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
10	Bhalukhop khahare IP	Okhaldhunga	Chishankhu Gadhi Rural Municipality	6	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Fair
11	Bhorle khola sinchai kulo marmat	Udayapur	Triyuga Municipality	16	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
12	Bishnujug Sinchai	Udayapur	Chaudandigadhi Municipality	9	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
13	Chachalahang Kulo IP	Dhankuta	Chhathar Jorpati Rural Municipality	3	LG	Good	Weak	Weak	Weak	Weak	Weak	Good	Weak	Weak	Weak	Weak	Good	Weak	Weak
14	Chauki Danda Ganeshtar Kulo IP	Dhankuta	Mahalaxmi Municipality	9	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good

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15	Chemacheme Lamidanda Ogemba Bansbote Irrigation Project	Panchthar	Falelung Rural Municipality	3	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
16	Chhiruwa Khola Kulo IP	Bhojpur	Shadananda Municipality	13	LG	Good	Fair	Weak	Weak	Fair	Good	Good	Good	Weak	Weak	Fair	Good	Weak	Weak
17	Chisapani kulo marmat	Udayapur	Chaudandigadhi Municipality	4	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
18	Chuwabote dhunge swapkha sinchai	Udayapur	Rautamai Rural Municipality	2	SIP	Good	Good	Fair	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
19	Dahakhola kulo thumki IP	Okhaldhunga	Chishankhu Gadhi Rural Municipality	5	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Fair	Fair	Good
20	Dhate Mathillo kulo marmat	Udayapur	Triyuga Municipality	16	SIP	Good	Good	Fair	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
21	Dhode Ambote Kulo IP	Terhathum	Phedap Rural Municipality	5	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good

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22	Dhode Irrigation Project	Panchthar	Miklajung Rural Municipality	3	SIP	Good	Fair	Fair	Fair	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
23	Falam Khola Irrigation Project	Panchthar	Yangbarak Rural Municipality	3	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
24	Fedikhola Muhan Gari Tari Lamatar IP	Okhaldhunga	Champadevi Rural Municipality	4	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Weak
25	Guhelo Kulo IP	Dhankuta	Pakhribas Municipality	8	LG	Good	Fair	Weak	Weak	Weak	Weak	Good	Weak	Weak	Weak	Weak	Fair	Weak	Weak
26	Hulma Tintale Mahajini Devithan Sinchai	Udayapur	Rautamai Rural Municipality	8	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
27	Jamune Kulo IP	Dhankuta	Pakhribas Municipality	5	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
28	Jhatare Irrigation project	Ilam	Rong Rural Municipality	2	SIP	Good	Good	Weak	Fair	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

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29	Jogikutti muhan ghari golebare jaukhet tithabote IP	Okhaldhunga	Chishankhu Gadhi Rural Municipality	6	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
30	Kakuwa khola payakha Rijal Danda kulo IP	Bhojpur	Shadananda Municipality	2	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
31	Kalitar Tallo Sinchai	Udayapur	Chaudandigadhi Municipality	8	SIP	Good	Good	Fair	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
32	Kanle kulo dhamelegau IP	Okhaldhunga	Manebhanjyang Rural Municipality	8	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
33	Kartike girgire IP	Bhojpur	Tyamke Maiyum Rural Municipality	7	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
34	Karunje mul Khatri Gau soti kulo Irrigation Project	Dhankuta	Chhathar Jorpati Rural Municipality	3	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
35	Kerabari Irrigation Project	Panchthar	Yangbarak Rural Municipality	3	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

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36	Khanate Khola Sailejum Danda Irrigation Project	Terhathu m	Menchhayayem Rural Municipality	2	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
37	Khorbari Jaiman Aange kulo IP	Terhathu m	Menchhayayem Rural Municipality	6	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
38	Kudekhola Plapchu Lusu Manekhet IP	Okhaldhunga	Khiji Demba Rural Municipality	5	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
39	Lakhuwa Dangmaya Danda Khet Kulo IP	Bhojpur	Shadananda Municipality	2	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
40	Lampate IP	Ilam	Mangsebung Rural Municipality	1	SIP	Good	Good	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
41	Laxmi khola Rai tole Janta kulo Irrigation Project	Dhankuta	Mahalaxmi Municipality	5	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
42	Luwakhola Kharibote Irrigation project	Panchthar	Falelung Rural Municipality	2	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good

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43	Madeuthan Muhan Boribote Datrung Irrigation Project	Okhaldhunga	Champadevi Rural Municipality	3	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
44	Mahamaya Alaiche Shera Kulo IP	Dhankuta	Mahalaxmi Municipality	7	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
45	Majhuwa kulo IP	Panchthar	Miklajung Rural Municipality	3	SIP	Good	Fair	Fair	Good	Good	Good	Good	Good	Fair	Good	Good	Good	Fair	Weak
46	Majhuwa matekhola muhan aptar pipaldanda thumki IP	Okhaldhunga	Sunkoshi Rural Municipality	2	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
47	Makhu khola khumting sinchai yojana	Bhojpur	Aamchowk Rural Municipality	10	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
48	Maksa kulo marmat cholanti IP	Bhojpur	Tyamke Maiyum Rural Municipality	5	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
49	Mathillo kunte odare krishi kulo	Udayapur	Triyuga Municipality	5	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

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50	Meel kulo marmat sinchai	Khotang	Khotelang Rural Municipality	5	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
51	Nakhopa Puchar Gaun Jyamire Masar Irrigation Project	Ilam	Rong Rural Municipality	5	SIP	Good	Good	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
52	Narkate IP	Okhaldhunga	Khiji Demba Rural Municipality	7	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
53	Nawakhola Simle Irrigation Project	Panchthar	Yangbarak Rural Municipality	2	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
54	Nepal Singh Irrigation project	Panchthar	Miklajung Rural Municipality	6	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Weak
55	Nikas chiuribot sinchai kulo marmat	Udayapur	Rautamai Rural Municipality	6	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
56	Odare khoptole kulo sichai yojana	Dhankuta	Chhathar Jorpati Rural Municipality	2	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good

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57	Pachmure kulo IP	Bhojpur	Tyamke Maiyum Rural Municipality	4	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
58	Paire raja tintalle Kulo irrigation project	Terhathu m	Phedap Rural Municipality	4	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Weak
59	Pandhere Bagh IP	Dhankuta	Pakhribas Municipality	8	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
60	Pandhere Khola Sinchai	Udayapur	Chaudandigadhi Municipality	2	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
61	Para khole Karamgara IP	Okhaldhunga	Sunkoshi Rural Municipality	6	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
62	Pasale Kulo IP	Panchthar	Miklajung Rural Municipality	4	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Fair	Fair
63	Phaprekholo Kulo IP	Dhankuta	Chhathar Jorpati Rural Municipality	2	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Weak	Good	Good	Good

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64	Pipli bote lapse rayale irrigation project	Bhojpur	Shadananda Municipality	8	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
65	Pucchar kulo	Panchthar	Falgunanda Rural Municipality	5	SIP	Good	Fair	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Fair	Good	Fair
66	Ranjana School Bata Dhunge Chautara IP	Okhaldhunga	Khiji Demba Rural Municipality	7	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
67	Rumruma khola sinchai	Khotang	Jante Dhunga Rural Municipality	3	SIP	Good	Good	Fair	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
68	Sabewa Khola Kamrung Bhoje Kulo IP	Terhathum	Phedap Rural Municipality	2	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
69	Salmu Lasabari Kaidaru Pepe Tarche IP	Okhaldhunga	Khiji Demba Rural Municipality	3	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
70	Sarkari kulo nirman	Khotang	Jante Dhunga Rural Municipality	3	SIP	Good	Good	Fair	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

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71	Sartaap Dosro Bikase Kulo	Panchthar	Falgunanda Rural Municipality	3	SIP	Weak	Fair	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Fair	Good	Good
72	Satbise mul kulo sinchai	Khotang	Khotelang Rural Municipality	7	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
73	Sattale thulo kha gogane Ip	Bhojpur	Tyamke Maiyum Rural Municipality	5	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
74	Sawa khola barhabise katarbot sinchai	Khotang	Khotelang Rural Municipality	9	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
75	Sawakhola bhanumati sinchai	Khotang	Jante Dhunga Rural Municipality	5	SIP	Good	Good	Fair	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
76	Sigalpa Ghansuwa Dhunge Besi Chhalange Kulo IP	Terhathu m	Phedap Rural Municipality	3	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
77	Simle Khola Muhan Gari Tallo Daduwa IP	Okhaldhunga	Champadevi Rural Municipality	6	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

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78	Sipak Sinchai Yojana	Bhojpur	Aamchowk Rural Municipality	4	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
79	Sumlung Naya Kulo Labri IP	Terhathu m	Menchhayayem Rural Municipality	1	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
80	Syanba kholya IP	Panchthar	Falgunanda Rural Municipality	3	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Fair	Good	Fair
81	Takuwa kulo irrigation project	Dhankuta	Pakhribas Municipality	10	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
82	Telpani Katahare Irrigation Project	Ilam	Rong Rural Municipality	5	SIP	Good	Good	Weak	Fair	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
83	Telung theguwa khola khinidanda okharbote kulo sichai yojana	Dhankuta	Mahalaxmi Municipality	1	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
84	Thulo khola IP	Okhaldhunga	Sunkoshi Rural Municipality	7	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good

SN	Name of Irrigation scheme	District	RM/ Mun	Ward no.	Implementing Agency	Irrigated area by scheme	Plan request, recommendation and selection	Irrigation service fee	Renewal of scheme	Status of women's representation in WUA	At least one women vital position	Construction implementation method	Public participation	Upfront cash fund	Advance	Municipality provides orientation to WUA	Monitoring by the Municipal Monitoring Committee before final bill payment	Technical evaluation, payment and differential evaluation	Hoarding board, public hearing, public review and public audit
85	Timbure sinchai yojana	Panchthar	Falgunanda Rural Municipality	3	SIP	Good	Good	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
86	Triyuga Mul Kulo Sinchai	Udayapur	Rautamai Rural Municipality	7	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
87	Walam khola ditung rai tole sinchai	Khotang	Khotehang Rural Municipality	2	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
88	Yekhuwa khola sinchai yojana	Bhojpur	Aamchowk Rural Municipality	3	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
89	kagate Khola IP	Okhaldhunga	Champadevi Rural Municipality	8	SIP	Good	Fair	Weak	Weak	Good	Good	Good	Good	Good	Good	Weak	Good	Good	Weak
90	kalo khola Muhan Simpani IP	Okhaldhunga	Manebhanjyang Rural Municipality	7	SIP	Good	Weak	Weak	Weak	Good	Good	Good	Good	Good	Good	Fair	Good	Fair	Good
91	Khojikhola IP	Ilam	Mangsebung Rural Municipality	3	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

SN	Name of Irrigation scheme	District	RW/ Mun	Ward no.	Implementing Agency	Irrigated area by scheme	Plan request, recommendation and selection	Irrigation service fee	Renewal of scheme	Status of women's representation in WUA	At least one women vital position	Construction implementation method	Public participation	Upfront cash fund	Advance	Municipality provides orientation to WUA	Monitoring by the Municipal Monitoring Committee before final bill payment	Technical evaluation, payment and differential evaluation	Hoarding board, public hearing, public review and public audit
92	Phewa bikase IP	Ilam	Mangsebung Rural Municipality	2	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Fair
93	Lamphewa khola IP	Ilam	Mangsebung Rural Municipality	1	SIP	Good	Good	Weak	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
94	Sandrem Sichai Yojana	Ilam	Mangsebung Rural Municipality	1	SIP	Good	Fair	Weak	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

Annex 5. List of schemes with score in individual indicators

S.N	Name of Scheme	Project selection and budget management (100)	Institutional work, duties and rights (100)	Formation and operation of Water users' association (100)	Project implementation and management (100)	Technical assessment, payment and settlement (100)	Transparency and good governance (100)	Assistance in implementing federalism (100)
1	Dhunwakhola Dhunge Thokpan Barbote Irrigation Project	20	0	100	100	100	100	100
2	Agdu khola masar kasle IP	60	0	100	95	50	100	100
3	Agri kulo sinchai	100	0	100	100	100	100	100
4	Ambote khola Bhandare IP	60	0	100	95	50	100	100
5	Asiney Gufa Kulo IP	60	0	100	95	100	100	100
6	Badhare Irrigation Project	100	0	100	100	100	100	100
7	Bagartol Sinchai	90	0	100	100	100	100	100
8	Baldegre Kharibote Simalbote Irrigation project	20	0	100	100	50	80	100
9	Bangdaha IP	60	0	100	95	50	100	100
10	Bhalukhop khahare IP	20	0	100	95	50	80	100
11	Bhorle khola sinchai kulo marmat	100	0	100	100	100	100	100
12	Bishnujug Sinchai	100	0	100	100	100	100	100
13	Chachalahang Kulo IP	20	0	0	30	0	30	75
14	Chauki Danda Ganeshtar Kulo IP	60	0	100	95	100	100	100
15	Chemacheme Lamidanda Ogemba Bansbote Irrigation Project	20	0	100	100	100	100	100
16	Chhiruwa Khola Kulo IP	60	0	75	60	0	30	75
17	Chisapani kulo marmat	100	0	100	100	100	100	100
18	Chuwabote dhunge swapkha sinchai	100	30	100	100	100	100	100

S.N	Name of Scheme	Project selection and budget management (100)	Institutional work, duties and rights (100)	Formation and operation of Water users' association (100)	Project implementation and management (100)	Technical assessment, payment and settlement (100)	Transparency and good governance (100)	Assistance in implementing federalism (100)
19	Dahakhola kulo thumki IP	20	0	100	90	50	100	100
20	Dhate Mathillo kulo marmat	100	30	100	100	100	100	100
21	Dhode Ambote Kulo IP	60	0	100	95	100	100	100
22	Dhode Irrigation Project	60	50	100	100	100	100	100
23	Falam Khola Irrigation Project	100	0	100	100	100	100	100
24	Fedikhola Muhan Gari Tari Lamatar IP	60	0	100	100	100	30	90
25	Guhelo Kulo IP	60	0	0	25	0	30	75
26	Hulma Tintale Mahajini Devithan Sinchai	100	0	100	100	100	100	100
27	Jamune Kulo IP	60	0	100	95	100	100	100
28	Jhatore Irrigation project	100	20	100	100	100	100	100
29	Jogikutti muhan ghari golebare jaukhet tithabote IP	20	0	100	95	50	100	100
30	Kakuwa khola payakha Rijal Danda kulo IP	60	0	100	95	100	100	100
31	Kalitar Tallo Sinchai	100	30	100	100	100	100	100
32	Kanle kulo dhamelegau IP	60	0	100	95	50	100	100
33	Kartike girgire IP	20	0	100	95	100	100	100
34	Karunje mul Khatri Gau soti kulo Irrigation Project	60	0	100	95	100	100	100
35	Kerabari Irrigation Project	100	0	100	100	100	100	100
36	Khanate Khola Sailejum Danda Irrigation Project	60	0	100	95	100	100	100
37	Khorbari Jaiman Aange kulo IP	60	0	100	95	100	100	100
38	Kudekhola Plapchu Lusu Manekhet IP	60	0	100	95	50	100	90

S.N	Name of Scheme	Project selection and budget management (100)	Institutional work, duties and rights (100)	Formation and operation of Water users' association (100)	Project implementation and management (100)	Technical assessment, payment and settlement (100)	Transparency and good governance (100)	Assistance in implementing federalism (100)
39	Lakhuwa Dangmaya Danda Khet Kulo IP	60	0	100	95	100	100	100
40	Lampate IP	100	40	100	100	100	100	100
41	Laxmi khola Rai tole Janta kulo Irrigation Project	60	0	100	95	100	100	100
42	Luwakhola Kharibote Irrigation project	20	0	100	95	50	100	100
43	Madeuthan Muhan Boribote Datrunge Irrigation Project	60	0	100	95	100	100	100
44	Mahamaya Alaiche Shera Kulo IP	60	0	100	95	100	100	100
45	Majhuwa kulo IP	60	70	100	90	50	30	100
46	Majhuwa matekhola muhan aaptar pipaldanda thumki IP	20	0	100	95	50	100	100
47	Makhu khola khumting sinchai yojana	100	0	100	100	100	100	100
48	Maksa kulo marmat cholanti IP	20	0	100	95	100	100	100
49	Mathillo kunte odare krishi kulo	100	0	100	100	100	100	100
50	Meel kulo marmat sinchai	100	0	100	100	100	100	100
51	Nakhopa Puchar Gaun Jyamire Masar Irrigation Project	100	40	100	100	100	100	100
52	Narkate IP	60	0	100	95	100	100	90
53	Nawakhola Simle Irrigation Project	100	0	100	100	100	100	100
54	Nepal Singh Irrigation project	20	0	100	100	100	30	100
55	Nikas chiuribot sinchai kulo marmat	100	0	100	100	100	100	100
56	Odare khortole kulo sichai yojana	60	0	100	95	100	100	100
57	Pachmure kulo IP	20	0	100	95	50	100	100
58	Paire raja tintalle Kulo irrigation project	60	0	100	95	100	30	100
59	Pandhere Bagh IP	60	0	100	95	100	100	100

S.N	Name of Scheme	Project selection and budget management (100)	Institutional work, duties and rights (100)	Formation and operation of Water users' association (100)	Project implementation and management (100)	Technical assessment, payment and settlement (100)	Transparency and good governance (100)	Assistance in implementing federalism (100)
60	Pandhere Khola Sinchai	100	0	100	100	100	100	100
61	Para khole Karamgara IP	20	0	100	95	50	100	100
62	Pasale Kulo IP	60	0	100	100	50	80	100
63	Phaprekholo Kulo IP	60	0	100	90	100	100	100
64	Pipli bote lapse rayale irrigation project	60	0	100	95	100	100	100
65	Pucchar kulo	60	40	100	95	100	80	100
66	Ranjana School Bata Dhunge Chautara IP	60	0	100	95	100	100	100
67	Rumruma khola sinchai	100	30	100	100	100	100	100
68	Sabewa Khola Kamrung Bhoje Kulo IP	60	0	100	95	100	100	100
69	Salmu Lasabari Kaidaru Pepe Tarche IP	60	0	100	95	100	100	90
70	Sarkari kulo nirman	100	30	100	100	100	100	100
71	Sartaap Dosro Bikase Kulo	40	40	100	95	100	100	100
72	Satbise mul kulo sinchai	100	0	100	100	100	100	100
73	Sattale thulo kha gogane Ip	20	0	100	95	50	100	100
74	Sawa khola barhabise katarbot sinchai	100	0	100	100	100	100	100
75	Sawakhola bhanumati sinchai	100	30	100	100	100	100	100
76	Sigalpa Ghansuwa Dhunge Besi Chhalange Kulo IP	60	0	100	95	100	100	100
77	Simle Khola Muhan Gari Tallo Daduwa IP	60	0	100	100	100	100	90
78	Sipak Sinchai Yojana	100	0	100	100	100	100	100
79	Sumlung Naya Kulo Labri IP	60	0	100	95	100	100	100
80	Syanba kholya IP	100	0	100	95	100	80	100

S.N	Name of Scheme	Project selection and budget management (100)	Institutional work, duties and rights (100)	Formation and operation of Water users' association (100)	Project implementation and management (100)	Technical assessment, payment and settlement (100)	Transparency and good governance (100)	Assistance in implementing federalism (100)
81	Takuwa kulo irrigation project	60	0	100	95	100	100	100
82	Telpani Katahare Irrigation Project	100	20	100	100	100	100	100
83	Telung theguwa khola khinidanda okharbote kulo sichai yojana	60	0	100	95	100	100	100
84	Thulo khola IP	20	0	100	95	50	100	100
85	Timbure sinchai yojana	100	40	100	100	100	100	100
86	Triyuga Mul Kulo Sinchai	100	0	100	100	100	100	100
87	Walam khola ditung rai tole sinchai	100	0	100	100	100	100	100
88	Yekhuwa khola sinchai yojana	100	0	100	100	100	100	100
89	kagate Khola IP	60	0	100	90	100	30	100
90	kalo khola Muhan Simpani IP	20	0	100	95	50	100	100
91	Khogikhola Singlabu IP	100	0	100	100	100	100	100
92	Phewa Bikase IP	100	0	100	100	100	80	100
93	Lamphekhola Nangrung krishi kulo IP	100	0	100	100	100	100	100
94	Sanderm IP	60	40	100	100	100	100	100