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Technical Assessment and Outcomes Survey 2022

Draft Technical Evaluation Report

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ABBREVIATIONS/ACRONYMS

| | |
|------|---|
| CFA | Community Force Account |
| CMS | Community Managed Sub-projects |
| DRM | Disaster Risk Management |
| MPWT | Ministry of Public Works and Transport |
| ODK | ODK Collect Software for mobile data collection |
| PRF | Poverty Reduction Fund |
| VIT | Village Implementation Team |

EXECUTIVE SUMMARY

The Laos Poverty Reduction Fund (PRF) was established in May 2002 in accordance with the Prime Minister's Decree (73/PM, 2002) and Poverty Reduction Fund Project I had operated under the Prime Minister's Office from 2003 and is in its third iteration as PRF III and PRF III-AF (2016 – 2020 and 2019 – 2024 respectively) now implemented under a multi-sector administrative board headed by an Executive Director from the Ministry of Agriculture and Forestry.

The main objective of the assignment is to measure the (i) technical quality and sustainability and (ii) the outcomes of the completed sub-projects between 2016 and 2021.

The focus of this report is on the results of technical assessment. The results of the outcomes survey have been submitted to the WB's consultant who will utilize the results for the economic analysis.

The terms of reference focused on five sub-project categories: irrigation, roads, gravity-fed water supply, primary schools and dispensaries. The latter two were grouped into "building" infrastructure type.

The sub-projects were randomly selected but ensuring:

- geographical coverage – both northern and southern provinces.
- administrative coverage – at least one sub-project in every district
- representative sub-project types – all five project types selected
- ease of access representation – some remotely located sub-projects are included
- construction methods representation – community and contractor implemented works included.

Overall condition/quality of the infrastructure

Overall, **50% of the sub-projects were assessed as Good with 43% assessed as Fair** and only a small 7% were Poor.

| | Good | Fair | Poor |
|------------|------|------|------|
| Irrigation | 11 | 8 | 1 |
| Road | 6 | 14 | 4 |
| WS | 13 | 12 | 1 |
| Building | 12 | 2 | 0 |
| Total | 42 | 36 | 6 |
| Total % | 50% | 43% | 7% |

Irrigation and building sub-projects tend to have a higher proportion of Good, while the water supply systems have almost equal proportion of good and fair. The roads have a majority in fair condition as roads require machinery input for periodic maintenance as most of the road sub-projects inspected are over 3 and 4 years.

Fitness for Purpose

Of the 84 sub-projects, only 7 (8%) were not in operable condition. All the road and building sub-projects are 100% in full-use.

Maintenance

Most of the sub-project villages reported having active maintenance committees although maintenance activities vary considerably in frequency. Most also reported difficulties in mobilizing for maintenance due to lack of funds and the majority of villages do not collect any regular fees for maintenance. Some utilize the village funds when required.

CMS vs Contractor

A comparison of the quality of work between CMS implemented and contractor implemented sub-projects indicated no significant difference. Both had varying conditions between good and fair, although the contractor implemented works have a higher percentage assessed Good at 51% compared to only 40% with CMS implemented works. However, 8% of the contractor implemented works were assessed as Poor but none from the CMS implemented works.

Environment, Social Impacts and Disaster Risk

A small number of sub-projects were located in protected areas. The visual observations did not note any detrimental impacts of the infrastructure on the environment. As most of the sub-projects evaluated were older than three years, this would have been sufficient time for the recovery of the environment.

Around 20% of sub-projects reported social impacts on personal property which were satisfactorily resolved through voluntary contributions, land replacements and cash compensations.

Irrigation, roads, and water supply sub-projects reported being affected by flooding and heavy rainfall some causing irreparable damage to system components. Only the buildings are currently free from climatic impacts.

1 BACKGROUND TO THE PROJECT

The Laos Poverty Reduction Fund (PRF) was established in May 2002 in accordance with the Prime Minister's Decree (73/PM, 2002) and Poverty Reduction Fund Project I had operated under the Prime Minister's Office from 2003 and is in its third iteration as PRF III and PRF III-AF (2016 – 2020 and 2019 – 2024 respectively) now implemented under a multi-sector administrative board headed by an Executive Director from the Ministry of Agriculture and Forestry.

The Project's Development Objective is to improve access to basic services for targeted poor communities which is to be achieved through the PRF III's four components:

| Component 1: Community Development Sub- grants | Component 2: Local and Community Development Capacity Building | Component 3: Project Management | Component 4: Nutrition Enhancing Livelihood Development |
|---|--|--|---|
| <p>1.1 Participatory community and local development planning processes at village and Kum Ban levels</p> <p>1.2 Provision of sub-grants for the implementation of eligible community infrastructure sub-projects based on Kum Ban Development Plans</p> | <p>2.1 TA to build capacity of Kum Bans and villages to assess their needs and prepare development plans, implement and monitor sub-projects</p> <p>2.2 TA to district and provincial authorities to facilitate community and local development planning processes and to support and supervise the development and implementation of sub-projects</p> <p>2.3 TA to national Committee for Rural Development and Poverty Eradication to promote participatory rural development coordination with various sector ministries</p> <p>2.4 Technical and operation assistance for development and implementation of partnerships between PRF and other agencies</p> <p>2.5 Monitoring and evaluation of the activities of the project</p> | <p>Technical and operational assistance for the day-to-day management of the Project and the carrying out of financial audits.</p> | <p>4.1 Capacity building assistance to village SHGs with a focus on women's SHGs in selected communities, to develop and implement nutrition sensitive livelihood activities and to enhance their knowledge of livelihood activities including literary and production cycles</p> <p>4.2 M&E of the activities including carrying out studies on thematic or operational innovations and participatory assessments of nutrition training.</p> |

This assignment forms part of the activities under Component 2.5 for the evaluation of the sub-projects under Component 1.2.

2 OBJECTIVE AND SCOPE OF THE ASSIGNMENT

The main objective of the assignment is to measure the (i) technical quality and sustainability and (ii) the outcomes of the completed sub-projects between 2016 and 2021. These two main tasks will focus on the following:

| TASK 1 TECHNICAL ASSESSMENT | TASK 2 OUTCOMES |
|---|---|
| <ul style="list-style-type: none"> Review of the recommendations from the latest technical audit and how those have been addressed (based on documentation review and consultations with PRF). Technical quality of the infrastructure in design and construction Compliance with environmental and social safeguards and Environmental Codes of Practice Disaster Risk Management Quality of technical assistance provided by PRF to the community members Status and feasibility of operations and maintenance arrangements | <ul style="list-style-type: none"> Main outcomes expected to result in quantifiable economic benefits (e.g. increases in production areas, addition of a new cropping season, increase in yields, savings in transport costs, savings in transport time) Quantify the benefits (e.g. % increase in production areas irrigated, % increase in yields, transport savings per average trip etc.) For production infrastructure, identify the crops and cropping patterns (one vs two crops per year and any changes induced by the infrastructure, and crops typically grown per season) Average civil works and maintenance costs per type of infrastructure, based on infrastructure size (e.g. hectare of irrigation, km of road etc.) Number of beneficiaries benefitting from the infrastructure |

The original scope of work under the terms of reference for the assignment were changed following the discussions during the kick-off meeting held on 17th June 2022.

A summary of the changes is shown below:

| | Original scope | Revised scope following kick-off meeting |
|---|---|---|
| Sub-Project types | <ul style="list-style-type: none"> Roads (Rehabilitation) Primary Schools (Construction & Rehabilitation) Gravity-fed water supply systems (Construction & Rehabilitation) | <ul style="list-style-type: none"> Roads (Construction & Rehabilitation) Primary Schools (Construction & Rehabilitation) Gravity-fed water supply systems (Construction & Rehabilitation) Dispensaries (Construction & Rehabilitation) Irrigation systems (Construction & Rehabilitation) |
| Sub-Project years | PRF III sub-projects (2016-2021) that have completed their final inspections | PRF III and PRF III-AF sub-projects (2016-2021) that have completed their final inspections |
| Percentage of Sub-projects for evaluation | 10 percent of the three types above (approximately 80 sub-projects) | 80 sub-projects total but with reduced percentage for schools and dispensaries as these will not be financed under the proposed new project. |

The focus of this report is for the technical assessment. The results of the outcomes survey have been submitted to the WB's consultant who will utilize the results for the economic analysis.

3 SUB-PROJECT SELECTION

3.1 Document review

A review of the available project related documents is one of the first activities. The documents shown in ANNEX 1 of the Inception Report were made available to the consultants.

The key take aways from the previous evaluation reports are:

- to address environmental compliance;
- to address Disaster Risk Management issues;
- to ensure adequate support to VIT
- quality of works for CMS works remains a challenge

The technical assessment tasks under this assignment already addresses all these recommendations and have been included in the field assessment forms.

3.2 Sub-project Selection

A total of 1,458 sub-projects were completed between 2016 and 2021 in 10 provinces across 43 districts. From these, a filter was applied to select only the targeted sub-project types for evaluation – irrigation weirs and systems construction and rehabilitation, road construction and rehabilitation; primary schools and dispensaries construction and rehabilitation; gravity-fed water supply systems construction and rehabilitation; and dispensaries construction and rehabilitation. Of the 952 filtered sub-projects, 84 were selected for evaluation.

The random selection of the sub-projects was made to ensure:

- geographical coverage – both northern and southern provinces.
- administrative coverage – at least one sub-project in every district
- representative sub-project types – all five project types selected
- ease of access representation – some remotely located sub-projects are included
- construction methods representation – community and contractor implemented works included.

Table 1 Summary of final selected sub-projects

| No. | Province | Final selected sub-project | | | | | Total |
|-----|--------------|----------------------------|-------|------------|--------|------------|--------|
| | | Road | Water | Irrigation | School | Dispensary | |
| 1 | Attapeu | 2 | 2 | 2 (1) | 2 (1) | 0 | 8 (2) |
| 2 | Houaphan | 1 (1) | 3 (2) | 3 (1) | 1 (1) | 0 | 8 (5) |
| 3 | Luangnamtha | 2 (1) | 4 (2) | 1 | 0 | 0 | 7 (3) |
| 4 | Luangprabang | 4 (1) | 1 (1) | 1 | 1 (1) | 1 (1) | 8 (4) |
| 5 | Oudomxai | 4 (1) | 1 (1) | 4 (2) | 1 | 1 | 11 (4) |
| 6 | Phongsaly | 3 | 3 | 1 | 2 (1) | 0 | 9 (1) |
| 7 | Salavan | 2 (1) | 3 (1) | 2 | 1 (1) | 0 | 8 (3) |
| 8 | Savannakhet | 3 | 1 (1) | 2 (1) | 1 (1) | 1 (1) | 8 (4) |

| No. | Province | Final selected sub-project | | | | | Total |
|--------------------|--------------|----------------------------|---------------|---------------|---------------|--------------|----------------|
| | | Road | Water | Irrigation | School | Dispensary | |
| 9 | Xekong | 1 (1) | 4 | 3 | 1 (1) | 0 | 9 (2) |
| 10 | Xiengkhouang | 2 | 4 (1) | 1 (1) | 1 | 0 | 8 (2) |
| Grand Total | | 24 (6) | 26 (9) | 20 (6) | 11 (7) | 3 (2) | 84 (30) |

Note: Figures in brackets represent sub-projects with benefits assessment interviews.

4 TECHNICAL EVALUATION METHODOLOGY

4.1 Sub-project types

The selected sub-projects were categorized into four types (schools and dispensaries were combined into “Buildings”).

Table 2 Sub-project type and number

| Type | Sub-project Type | No. of selected sub-projects | Percent |
|------|--------------------------|------------------------------|---------|
| 1 | Road | 24 | 29 |
| 2 | Gravity-fed water supply | 26 | 31 |
| 3 | Irrigation | 20 | 24 |
| 4 | Buildings | 14 | 17 |

4.2 Technical Evaluation Questionnaire/Checklist

Field evaluation carried out was based on the technical evaluation questionnaire/checklists for each of the sub-project type. These were uploaded in electronic format in ODK for field use. The printout of the questionnaires/checklists are shown in Annex 1.

Typically, a comparison between the design and the implementation should form part of the sub-project technical evaluation. However, it was noted that the technical documentation for the sub-projects were not readily available. Some documents were recently sent to the PRF Office in Vientiane where they have not yet been sorted or properly filed. Others were still located at the provinces and were termite ridden and no longer readable.

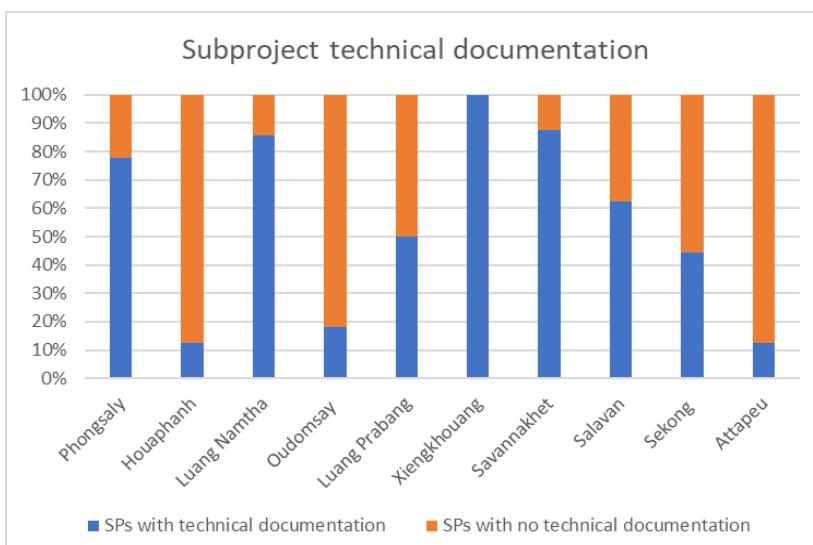


Figure 1 Sub-project technical documentation availability

The figure above shows that nearly half of the total sub-projects selected did not have relevant technical documentation available for review. Some provinces such as Houaphanh and Attapeu are the worst offenders with nearly 90% of the sub-projects missing documentation. Whilst Xiengkhouang province was the only province that had 100% documentation available.

The field evaluation questionnaire/checklists included questions to the village authority on matters regarding environment and social protection as well as maintenance which are not readily evident through visual observations alone.

The checklists for each sub-project type breaks down the works into their pertinent components. For roads, the key components for an effective road are vertical grade, drainage provisions and carriageway. For gravity-fed water supply system, the components include the headworks/intake, transmission, settling, storage and distribution and the final stage of dispensing tap stands etc.

4.3 Rating System

4.3.1 Overall Quality

The components for each type of infrastructure were assessed and rated in their current condition as either “good”, “fair”, “poor” or “NA”. The quality for the whole infrastructure is then evaluated based on the highest quantity of the individual component assessments. The quality of workmanship has been assessed taking into account the environment in which the construction works has been implemented. That is, a “good” in these sub-projects would not compare to the quality expected for construction works in Vientiane.

Good: Component overall in good condition in terms of workmanship and fully functioning as intended.

Fair: Component in reasonable condition but still functioning as intended.

Poor: Component in a deteriorated condition with some loss of functioning capacity.

NA: Some components were not applicable in some of the sub-projects (i.e. no drainage culverts on some roads) or some components were inaccessible and could not be inspected (e.g. access to some headworks were not possible for some of the water supply and irrigation sub-projects).

The following demonstrates the overall road conditions as assessed.

Sub-project location: B. Bangvilay, Sanamxay District, Attapeu Province

Year of completion: 2020

Overall Assessment: **GOOD**



Sub-project location: B. Navaen, Viengkham District, Luang Prabang Province

Year of completion: 2020

Overall Assessment: **FAIR**



Sub-project location: B. Navaen, Viengkham District, Luang Prabang Province

Year of completion: 2020

Overall Assessment: **POOR**



4.3.2 Fitness for Purpose

For this assessment, it was deemed sufficient to provide a Yes or No response. If the sub-project is still in operation, it is deemed fit for purpose. For the water supply sub-projects, analysis goes further into the various components.

4.3.3 Environmental Impact Considerations

Detailed environmental impact assessments are generally carried out by environmental specialists. The assessment carried out by the team is only through superficial observations of obvious visual impacts. A question has also been included in the checklist to confirm with the villagers whether the works carried out were through any protected areas.

4.3.4 Social Impact Considerations

Similarly, social impacts were assessed through a question to the villagers on whether any villagers were affected during the construction of the sub-projects.

4.3.5 Disaster Risk Management Considerations

This is difficult to assess as there are no design reports available for the sub-projects to indicate that such considerations had been made.

Through the informant interviews, the teams tried to establish whether there have been any natural disaster events since the construction of the infrastructure and an assessment of how the infrastructure has fared under these events. A Good is applied for no recent natural disaster events and/or recent natural disaster events but no serious impact on infrastructure. A Poor is applied where natural disaster event has seriously impacted the infrastructure.

5 TECHNICAL FINDINGS

5.1 Irrigation

5.1.1 Design

Irrigation sub-projects selected varies considerably in scope. Some of the works comprise only an earth embankment weir while others include a concrete weir with intake structures and canal works.

The designs of the weirs also vary from very basic with no gates on the weirs or canals to a comprehensive system. With the recent concerns regarding fisheries, especially the impact of weirs on migration routes, simple fish passes could be considered to lessen the impacts on fisheries. Gated weirs would also help with the potential to regulate environmental flows.

5.1.2 Irrigation Sub-project Condition

Of the 20 weirs/irrigation systems evaluated, 55% were evaluated as Good overall and only 5% (representing 1 sub-project) was considered as Poor. The sub-project assessed as Poor is over 4 years old and had suffered from flooding which damaged the intake structure resulting in the failure of the whole system.

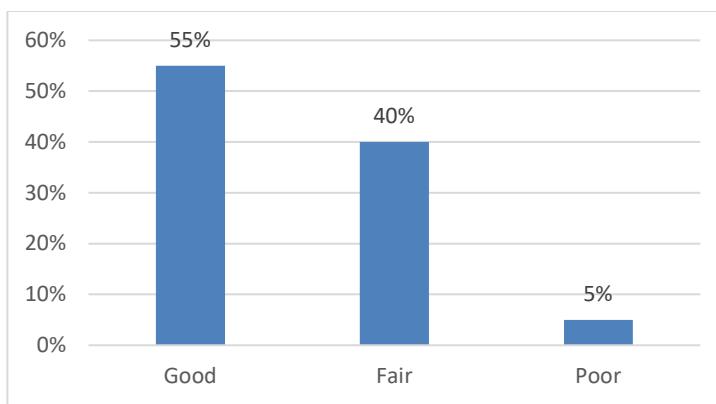


Figure 2 Overall condition of irrigation sub-projects

The individual components of the system were assessed. Intake-Offtake structures are mostly in fair condition with 22% in good condition. Nearly 90% the headworks evaluated are in good and fair condition only 11% assessed as poor. Similarly, just over 90% of the canals are assessed as good and fair with only 7% considered poor.

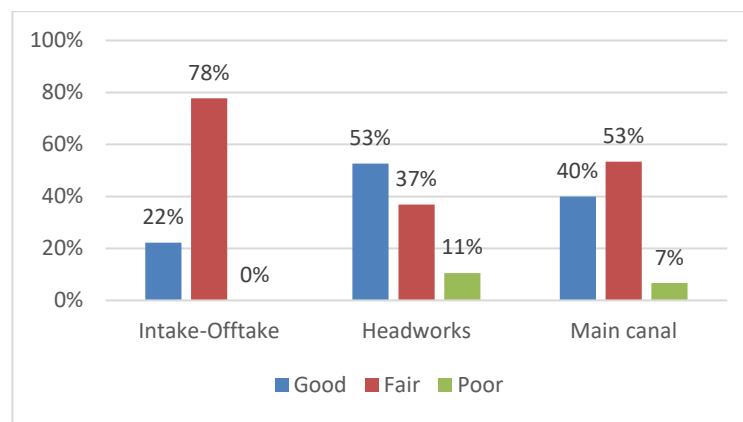


Figure 3 Workmanship of irrigation components

5.1.3 Irrigation schemes by age

Despite the random selection, about a third of the irrigation sub-projects were between 3 to 4 years old and 37% of the sub-projects over 4 years since completion. Sub-projects between 1 to 2 years and 2 to 3 years were both at 16%. The age is calculated as of 31 August 2022 following the inspection of the infrastructures.

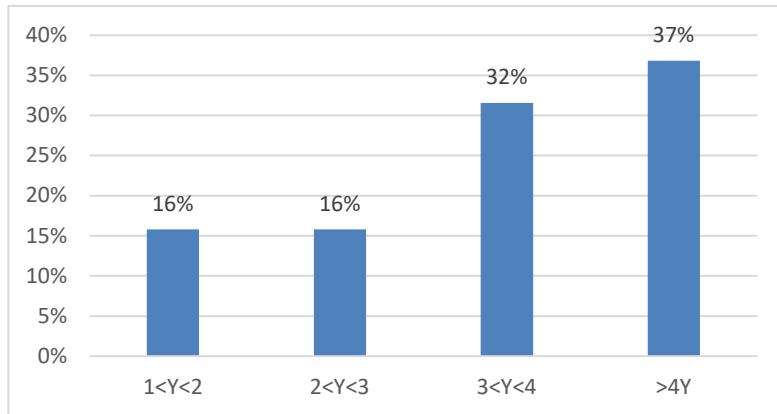


Figure 4 Percentage of evaluated irrigation schemes by age

The age of the irrigation infrastructure is not indicative of the condition, 16% of the schemes over four years of age are still considered Good compared to only 11% of those between 1 to 2 years. Surprisingly, those schemes between 3 to 4 years have the highest percentage in the Good category.

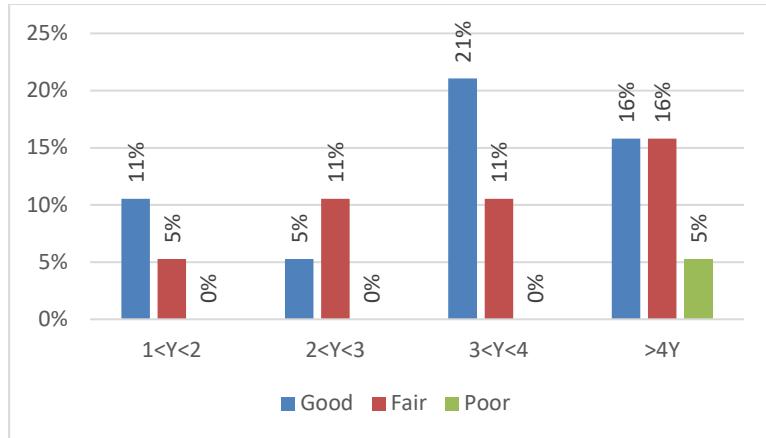
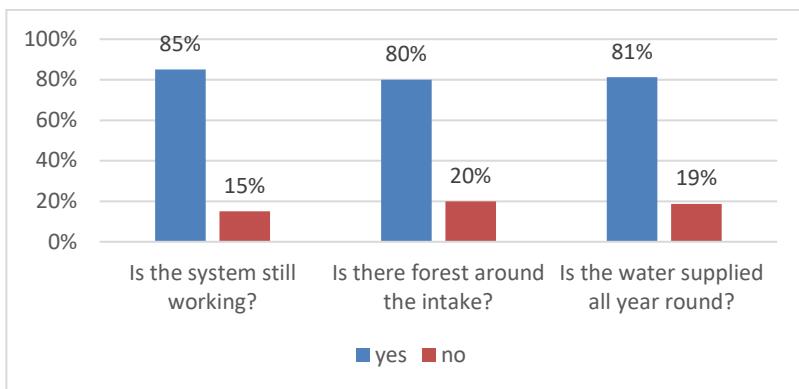


Figure 5 Overall condition of irrigation schemes by age

5.1.4 Fitness for purpose

Eighty-five percent of the schemes assessed are still in operation. The 15% (comprising of 3 sub-projects) are no longer in operation due to: (i) lack of water at the weir; (ii) broken irrigation pipe over a river crossing; and (iii) flooding damage to intake system.

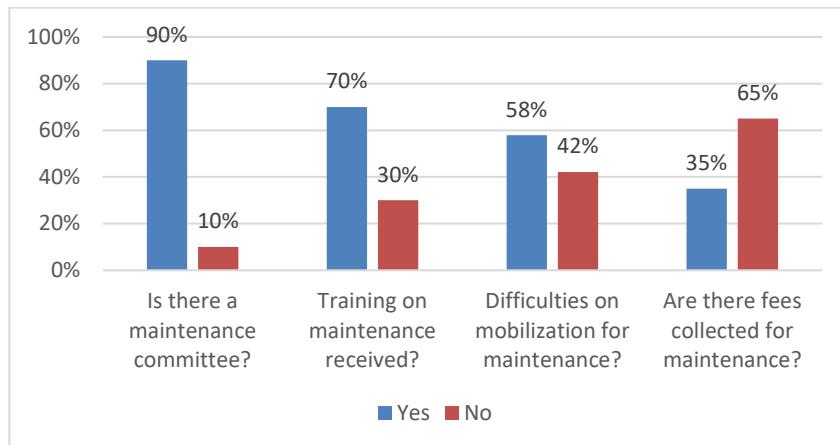
Eighty percent of the systems still have good forest cover near the intake which will assist in the protection of the water source.

**Figure 6 Irrigation system status**

Some 19% of the schemes did not have a year-round water supply which limits the usefulness of the scheme.

5.1.5 Irrigation Maintenance

Ninety-percent of the sub-projects reported to have an established maintenance committee. It is understood that such committees have been established for all sub-projects but the 10% reportedly without a maintenance committee probably meant that they do not mobilize at all.

**Figure 7 Irrigation maintenance**

Only 70% of the sub-projects claimed that they have received training on maintenance and 58% of sub-projects reported difficulties in mobilization for maintenance activities. Sixty-five percent of the sub-projects do not collect any fees for maintenance. Fees varies from 2.000Kip/HH/year plus 50kg of rice per ha to 50.000Kip/HH/year. Maintenance activities cover only clearance of obstructions and debris from the system.

5.2 Road

5.2.1 Design

The road designs are basic earth roads intended to provide basic access for villagers. The designs are “engineered” to a certain degree. The design documents available indicate the relevant components including cross drains, side drains, and carriageway crossfalls. The horizontal and vertical alignments generally follow the existing terrain and, in most cases, do not meet the minimum standards for the lowest road class (Class VII) of the Ministry of Public Works and Transport’s Lao Road Design Manual (2018).

It was noted in one sub-project - B. Tar Soom, Viengphoukha district in Luang Namtha province also has no cross culverts but the bidding documents show provisions for culverts. As there are no records of the construction or as-built drawings, the reasons for the deletion of the culverts from the contract is not clear.

5.2.2 Road Sub-project Condition

Figure 8 indicates that over half of the sub-projects assessed were assessed as Fair and a quarter of the sub-projects remained in Good condition and only 17% are Poor.

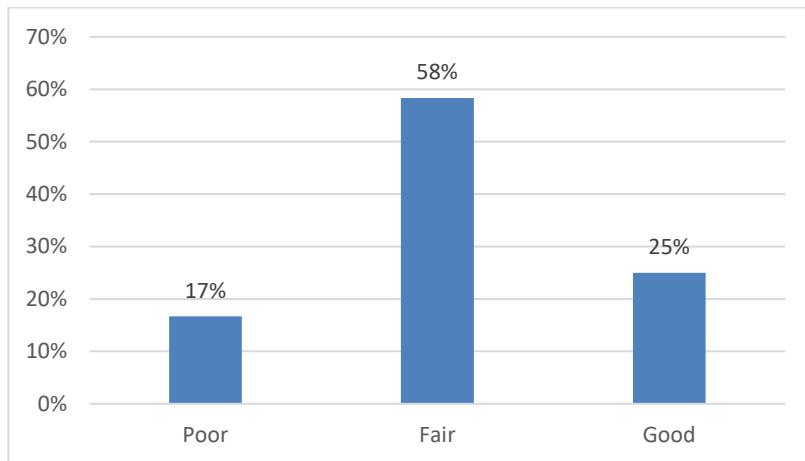


Figure 8 Overall condition of roads

It is noted that the four sub-projects assessed as Poor, are all in the northern provinces (Xieng Khouang, Oudomxay, and Phongsaly) in mountainous terrain.

The Poor condition roads are due to poor surface drainage. The side drains are generally silted up or no longer a well-defined channel as originally constructed and some cross-drains blocked and/or damaged (Figure 3 above). The cross-sectional profiles of the roads are no longer clearly defined and have longitudinal scouring of the carriageway.

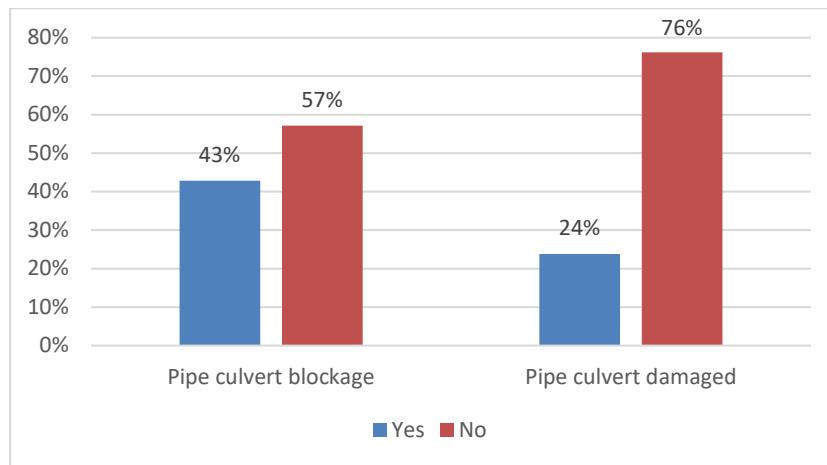


Figure 9 Pipe culvert condition

Less than half of culverts were blocked and less than a quarter damaged suggesting reasonable maintenance activities since most sub-projects were over 3 years.

B. Taleup, Hoon district in Oudomxay province has 10km of road rehabilitated but no cross culverts provided.

An assessment of the cost per km gives a median cost around 92,000,000 Kip per km of varying quality, but mostly Fair. The outlier, from Oudomxay province at 562,000,000 Kip/km is the highest costing road sub-project which includes a large box culvert.

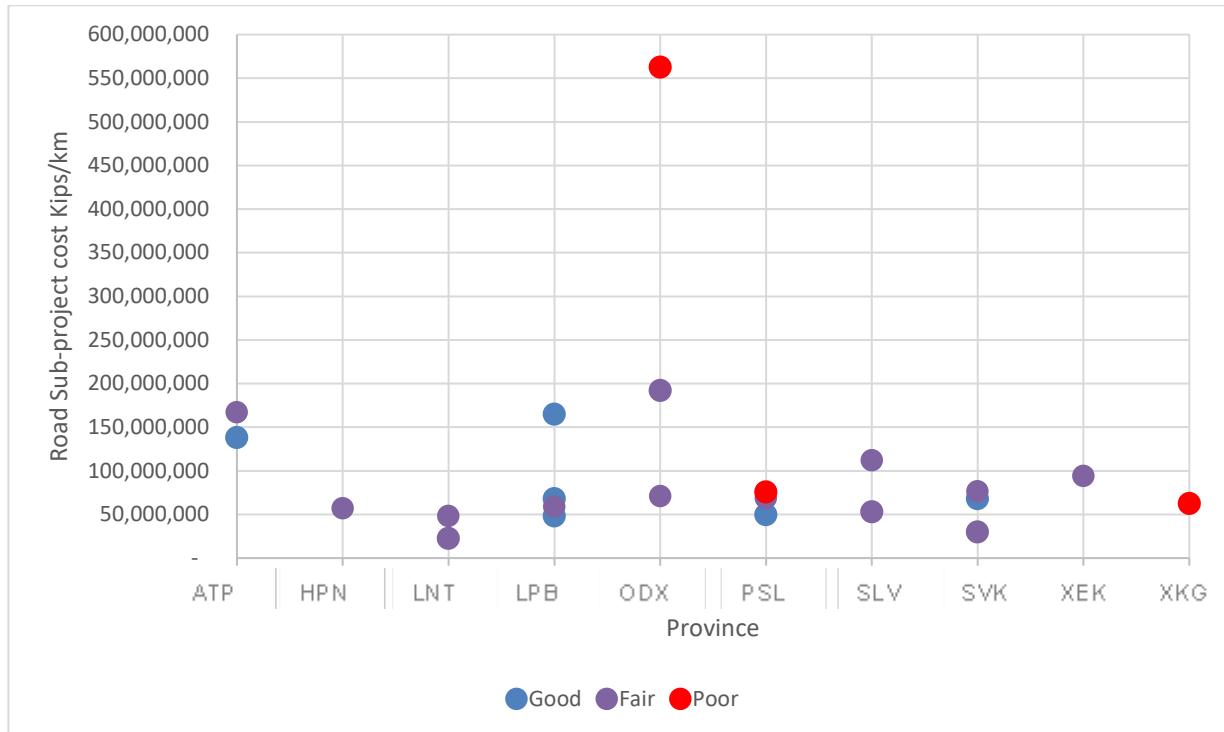


Figure 10 Road condition compared to investment cost

5.2.3 Road Sub-project by Age

About two thirds were between 3 to 4 years old and over four years since completion and twenty-five percent were between 1 to 2 years with only 4% between 2 to 3 years. The age is calculated as of 31 August 2022 following the inspection of the infrastructures.

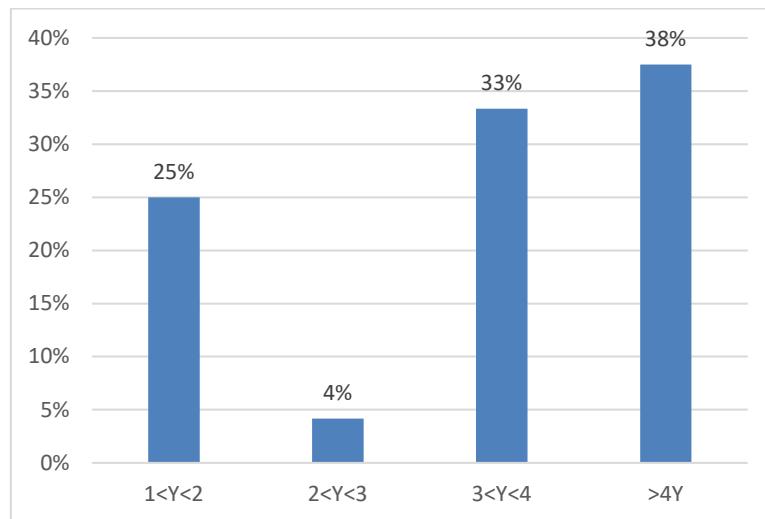


Figure 11 Percentage of road sub-projects evaluated by age

There does not appear to be a correlation between the age of the sub-project and its condition. Of the 25% of sub-projects assessed as Good, 17% are between 3 to 4 years and 4% are over

4 years while the 16% of sub-projects assessed as Poor, 4% are between 2 to 3 years; another 4% between 3 to 4 years and 8% are over 4 years.

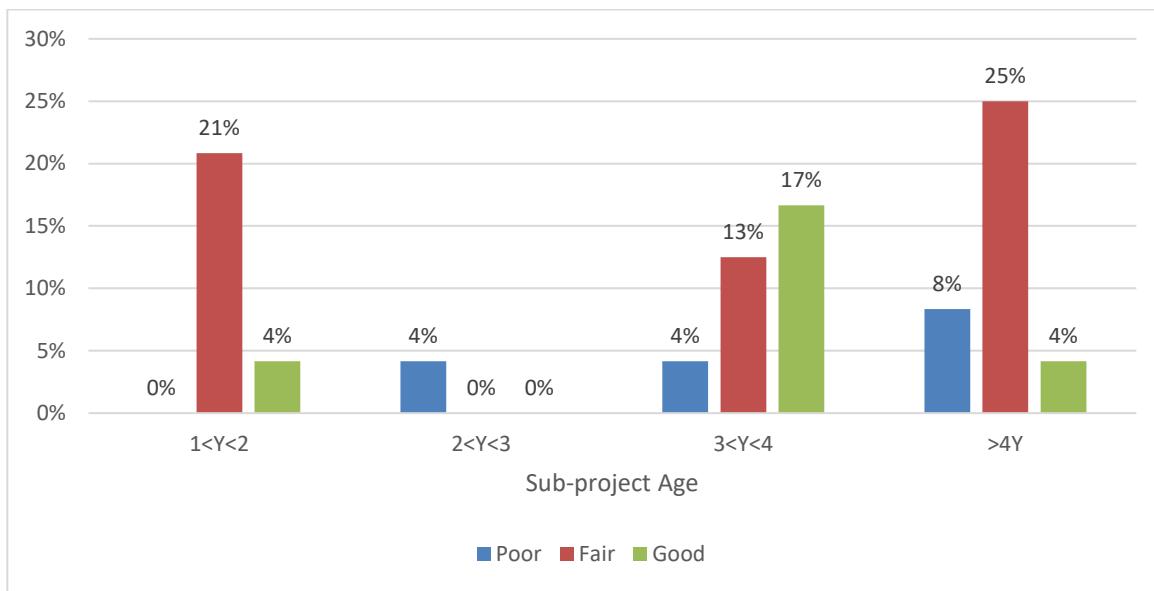


Figure 12 Overall condition of roads by age

5.2.4 Fitness for purpose

All roads visited are still accessible at the time of visit.

5.2.5 Maintenance

It is understood from the PRF team that all sub-projects had received maintenance training and assistance in establishing a maintenance committee. However, the village informant for three sub-projects indicated that they had no maintenance committee and nine sub-projects claimed no maintenance training was received.

Sixty-five percent of the sub-projects have difficulties in mobilization for maintenance and 87% do not collect any maintenance fees including the eight sub-projects that claimed no difficulties with maintenance mobilization. All three sub-projects that collect maintenance fees still claim difficulties with maintenance mobilization. Fees are 3.000 Kip/HH/year and 20.000 Kip/HH/year for the two sub-projects.

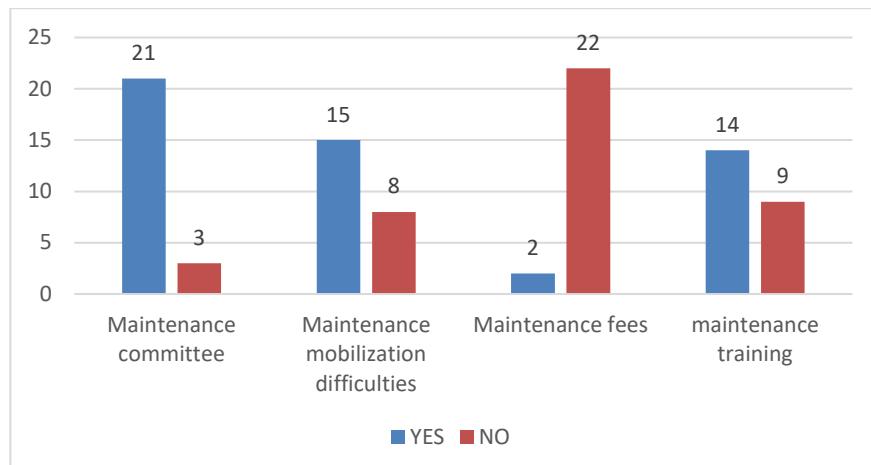


Figure 13 Road maintenance situation

Average maintenance frequency range from 0.25 times to a maximum of 12 times per year.

5.3 Gravity-fed Water Supply Systems

5.3.1 Design

It is noted that there are some inconsistencies in the standards of the water supply systems implemented. Basic requirements for safety and security would include fencing around the water storage tanks and tap stands. However, some of the designs do not include such facilities and some include but were either not implemented or have since been removed. The figure below shows that only a small percentage have security fencing.

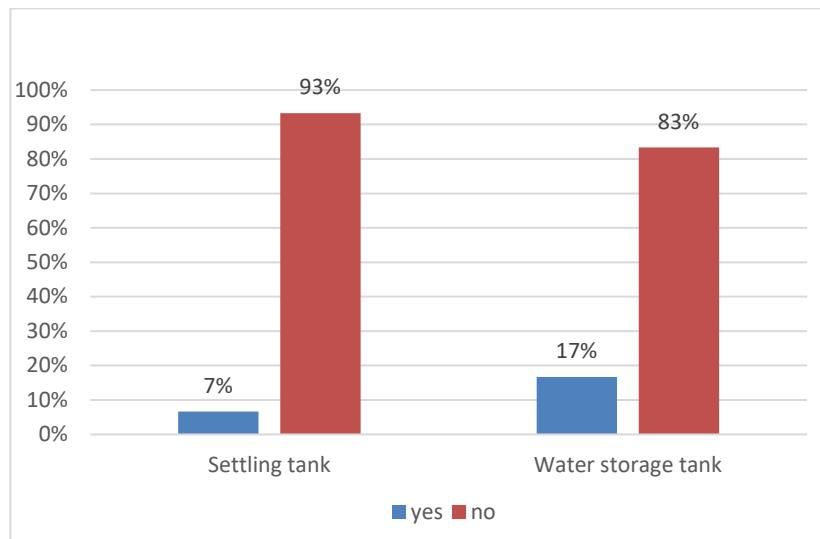


Figure 14 Fencing around water tanks

Other aspects of the design are generally good and complies with good standards of practice. Although design and implementation do not often correspond for pipework.

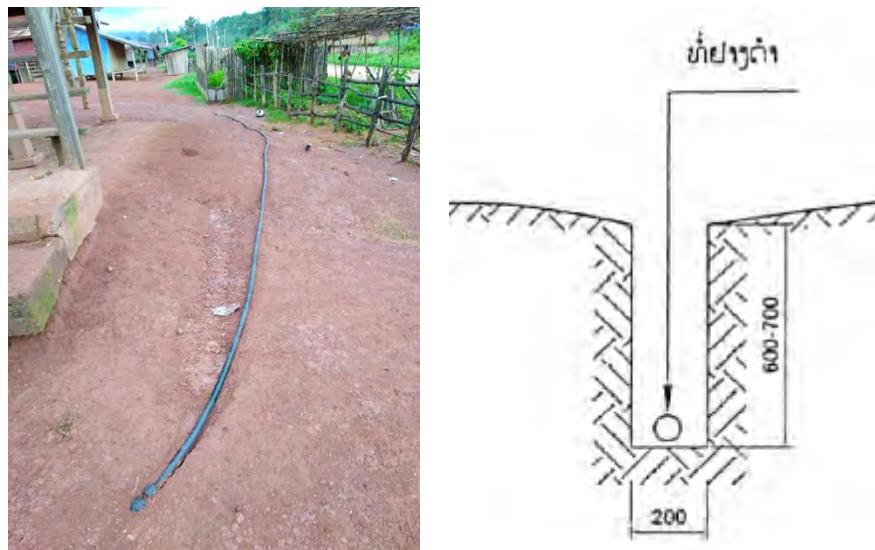


Figure 15 Design vs implementation

5.3.2 Gravity-fed water supply sub-project condition

The quality of the workmanship on the structural components is satisfactory. Over 50% of the water supply sub-projects were assessed as Good, 42% as Fair and only 4% as Poor.

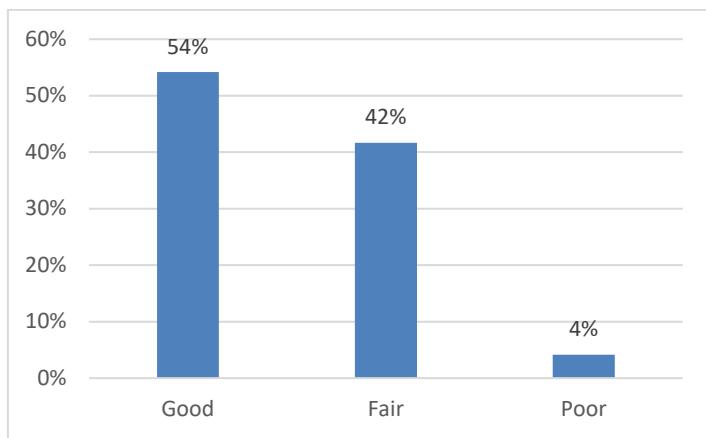


Figure 16 Overall condition of water supply sub-projects

The workmanship on some of the individual components such as the tanks have good ratings in the upper 60 and 70%.



Figure 17 Water supply workmanship

However, the water transmission and distribution systems are prone to leakage. Over half of the transmission lines are noted to leak and nearly 50% of the distribution lines.

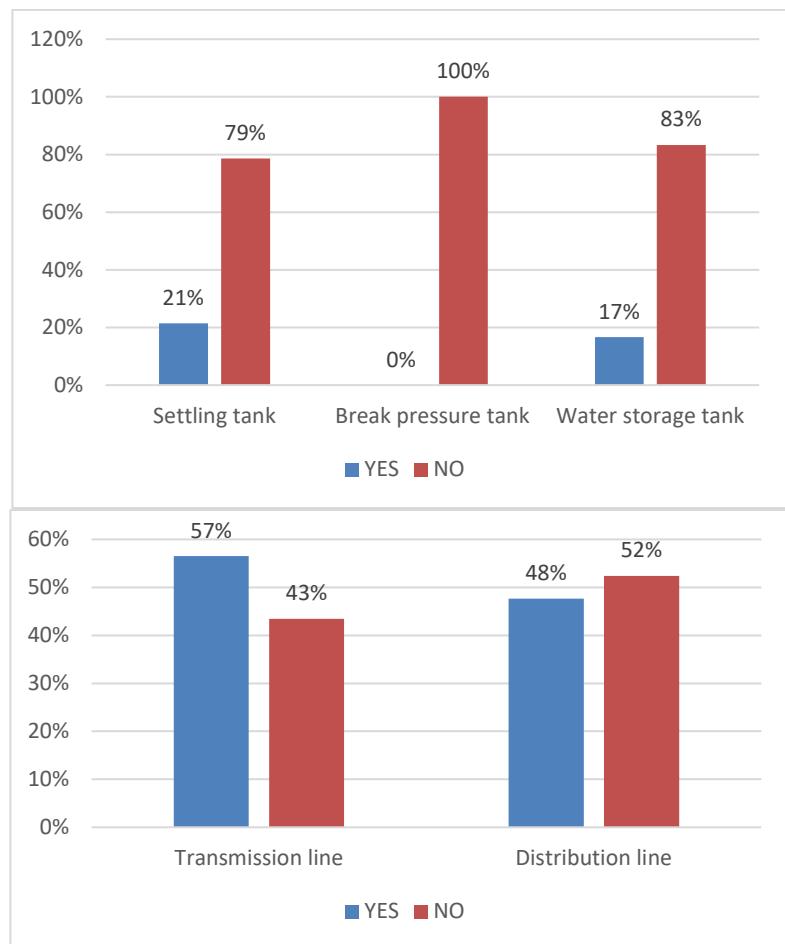


Figure 18 System leakage

At the usage end, the tap stands, flow and pressure are generally satisfactory with nearly 75% operating as desired.

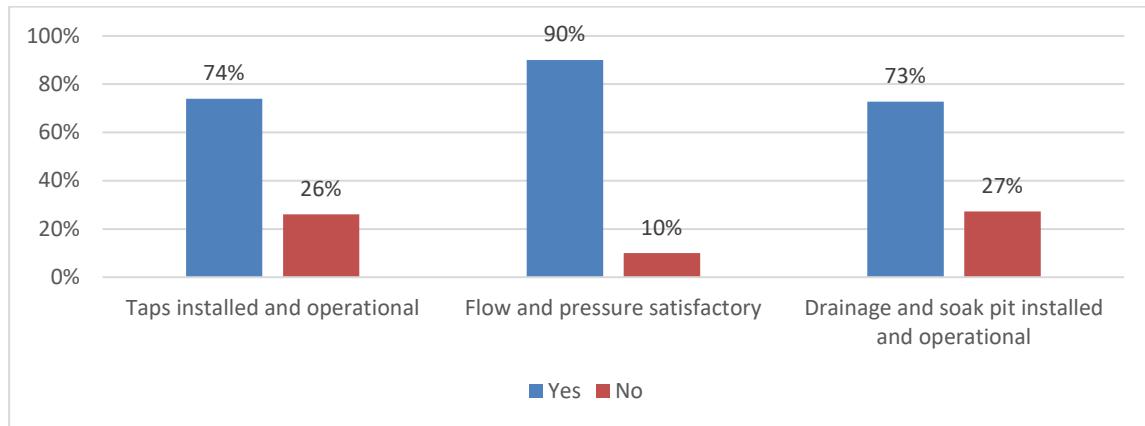


Figure 19 Tap stand operational status

5.3.3 Gravity-fed water supply sub-project by age

The majority, 92% of the 31 systems assessed were older than 3 years and some 50% were over 4 years.

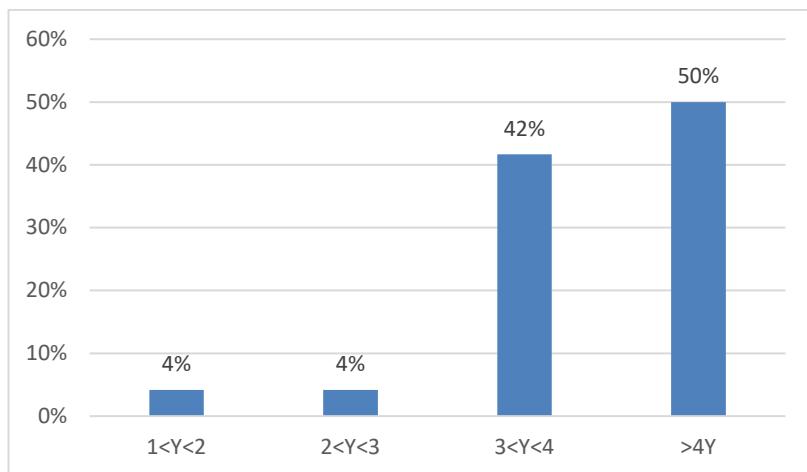


Figure 20 Percentage of water supply system evaluated by age

Only 12% of the systems are no longer in operation all of which are over 3 years of age.

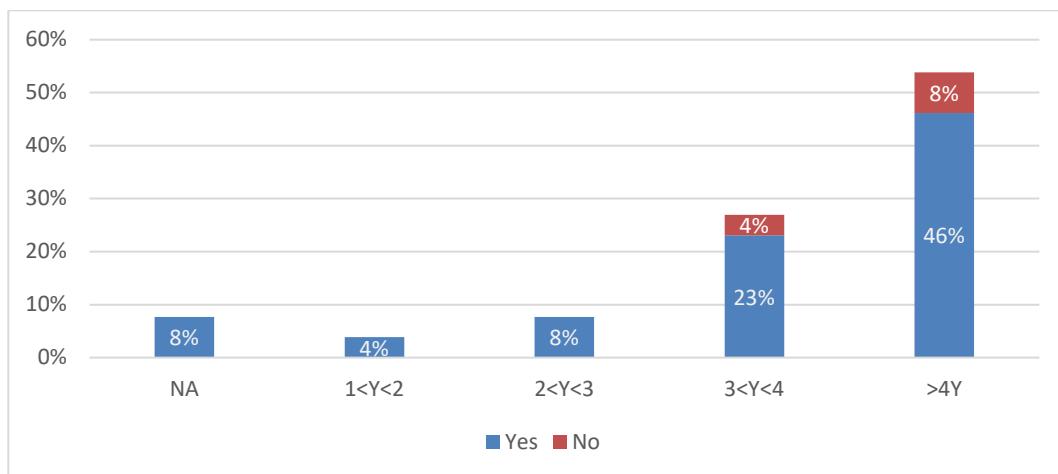


Figure 21 Systems in operation by age

5.3.4 Fitness for purpose

As mentioned above, 12% of the systems are no longer operational. One system was reported to have failed within a few days of handover, one reported low flow from the selected source during the dry season, one required too much maintenance which the villagers are unable to keep up and one only failed just before the evaluation team's visit.

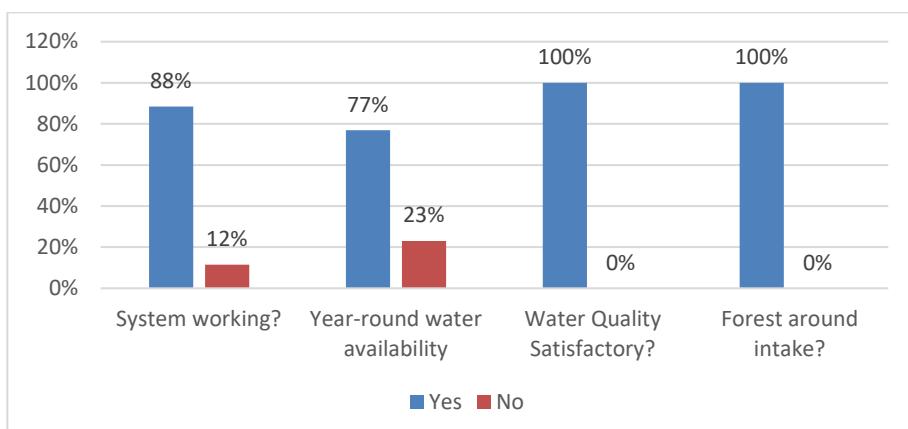


Figure 22 Water supply system status

5.3.5 Maintenance

Like other sub-projects, some villages reported no active maintenance committees. For the water supply sector, 60% of villages reported difficulties in mobilizing for maintenance. Thirty-six percent reported not having received maintenance training.

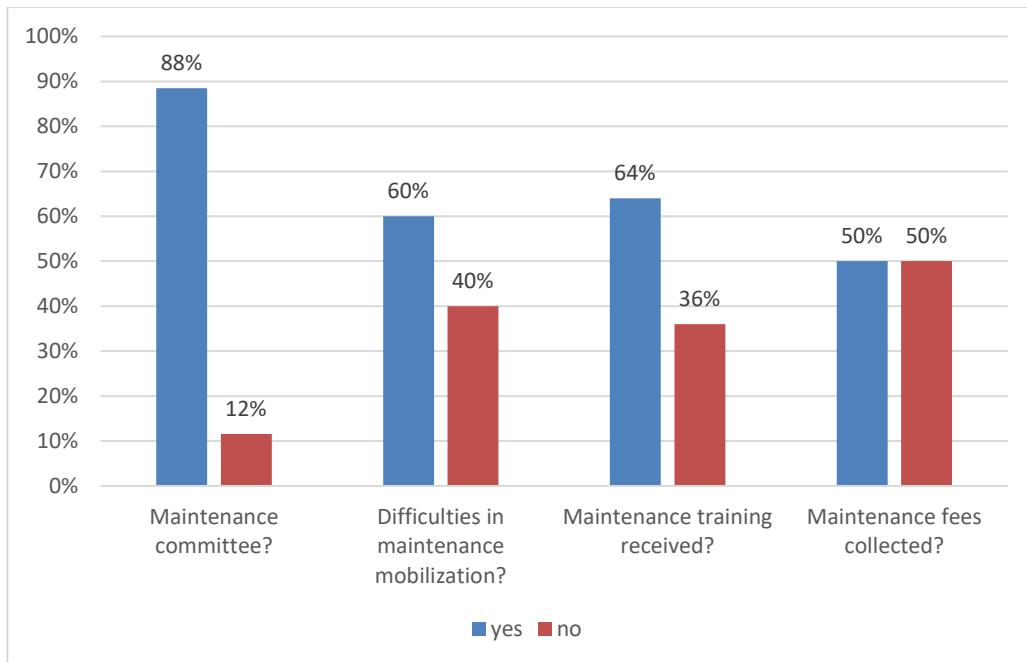


Figure 23 Gravity-fed water supply maintenance

Reported maintenance frequency range from 0 to as high as an average 62 times per year.

5.4 Buildings

5.4.1 Design

A reassessment of the structural design of some of the school buildings indicate that some of the structural members are below international standards (BS8004) for schools. This does not imply that the structures are of concern, merely that the factors of safety are less than normally required and that the design life is shorter from the normal 50-year to about 20 years.

5.4.2 Building sub-project condition

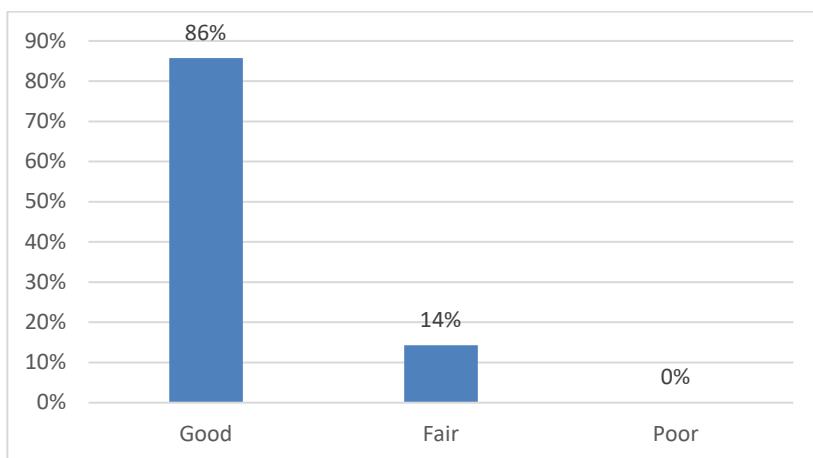


Figure 24 Overall condition of buildings

Building works are overall in good visual condition with nearly 90% assessed as good and none assessed as poor.

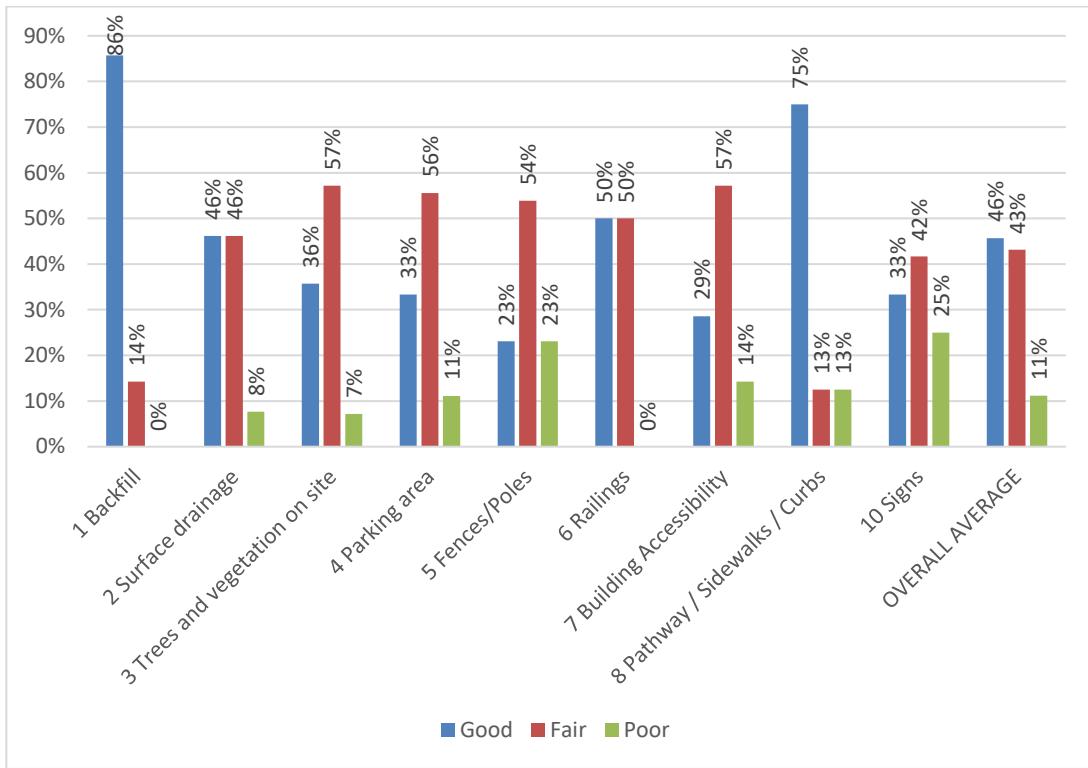


Figure 25 Site works condition

Landscaping works are on average in fair condition.

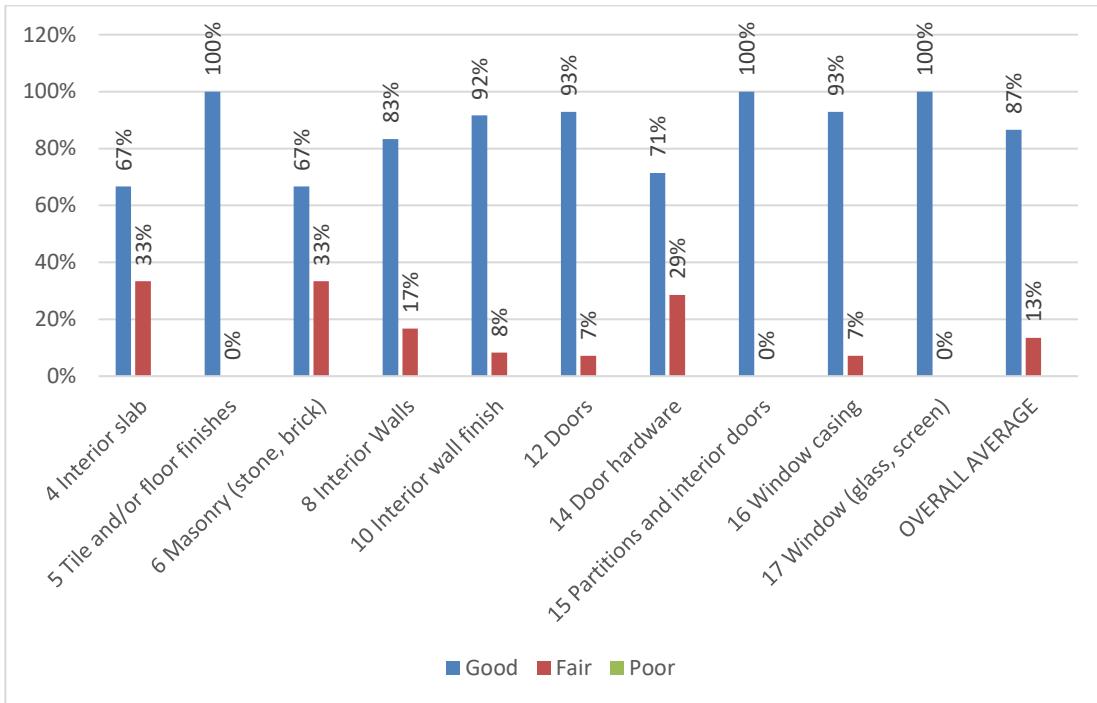


Figure 26 Architectural works – interior condition

Both architectural interior and exterior works are in good condition with negligible features assessed as poor.

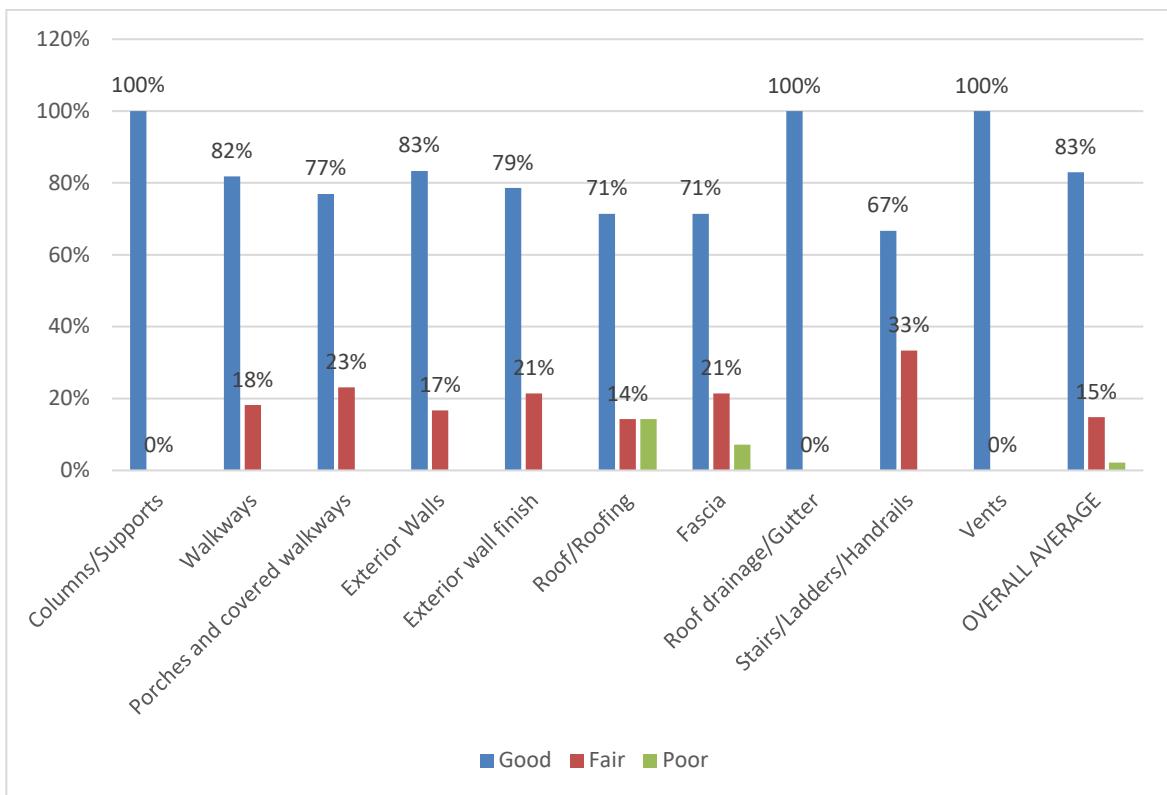


Figure 27 Architectural works - exterior condition

5.4.3 Building sub-project by age

Half of the buildings assessed were over 4 years old.

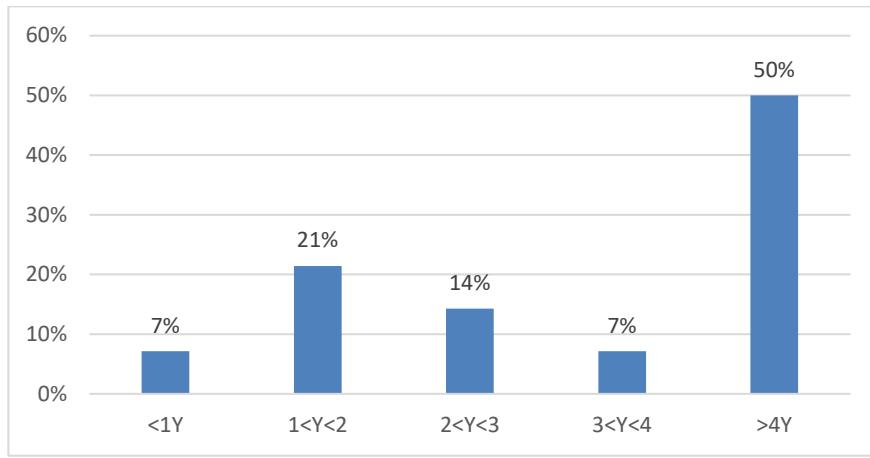


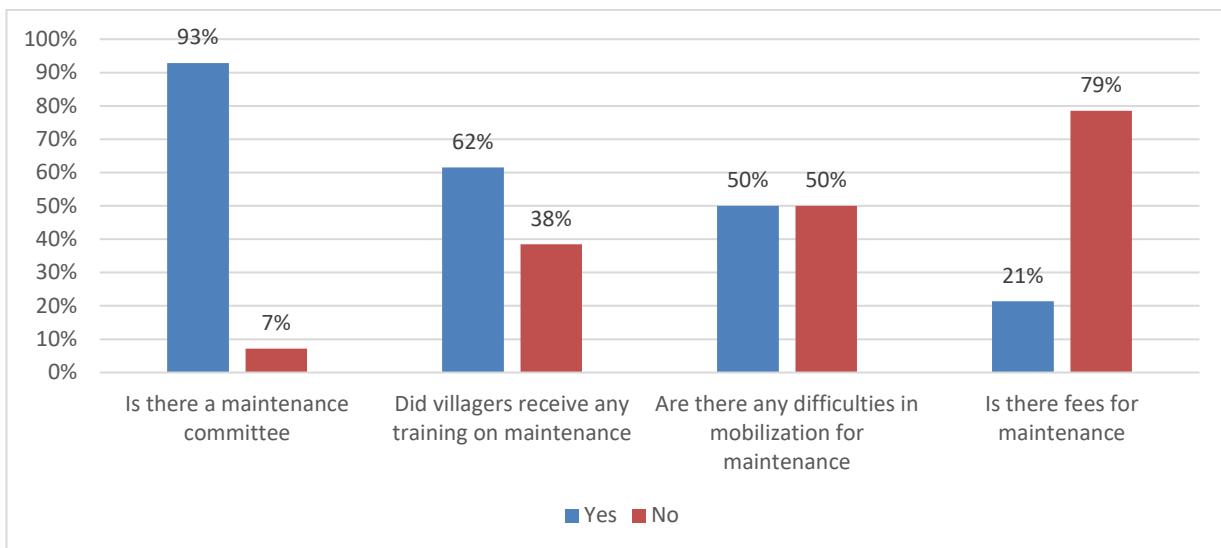
Figure 28 Building sub-projects evaluated by age

5.4.4 Fitness for purpose

All buildings are 100% in service with no major issues.

5.4.5 Maintenance

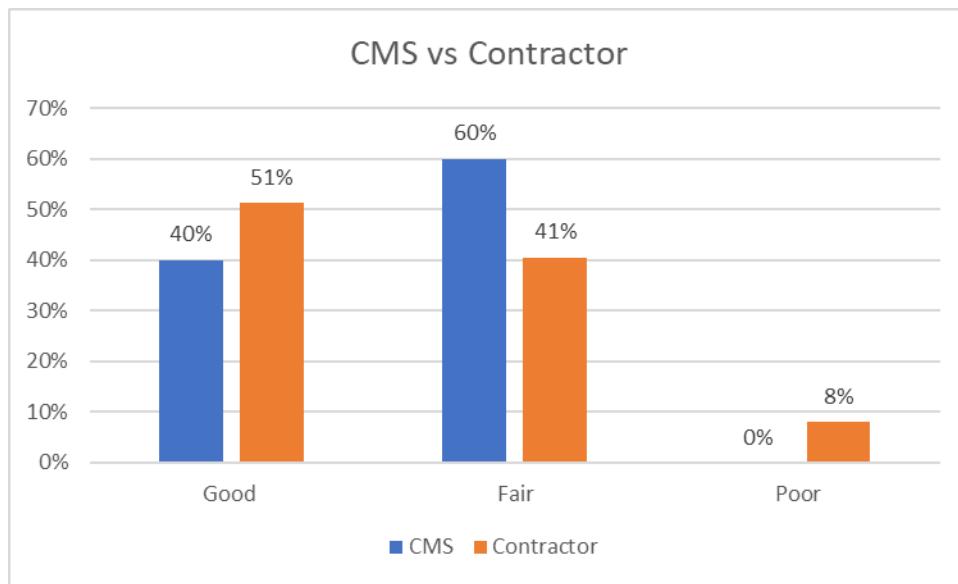
More than 90% reported an active maintenance committee but only 62% reported having received any training on maintenance. Fifty per cent of sub-projects reported difficulties in mobilization for maintenance. Only 21% of sub-projects collect fees for maintenance as some use the village fund for school maintenance.

**Figure 29 Building maintenance**

Reported maintenance frequency range from 0 to an average of 2 times per year. Seventy-one percent of sub-projects carry out no maintenance on the buildings at all.

5.5 Construction method (Contractor vs CMS)

Of the 84 selected sub-projects, 10 were CMS sub-projects. In terms of overall quality of the sub-projects, there does not appear to be a significant difference between those carried out through CFA and those through direct contractor contract. Both had varying conditions between good and fair, although the contractor implemented works have a higher percentage assessed Good at 51% compared to only 40% with CMS implemented works. However, 8% of the contractor implemented works were assessed as Poor but none from the CMS implemented works.

**Figure 30 CMS vs contractor implementation**

The fact that there are no Poor works in the CMS sub-projects would indicate that perhaps more care has been given to their implementation by the community. Where most of the works are assessed as Fair, could be attributed to the fact that community skills level is still at a lower standard as they have not yet had much practice.

5.6 Ease of accessibility of sub-project

As to be expected, the sub-projects that are easy to access showed a higher percentage of being in good condition and lower percentage in the poor condition although not by a very significant margin.

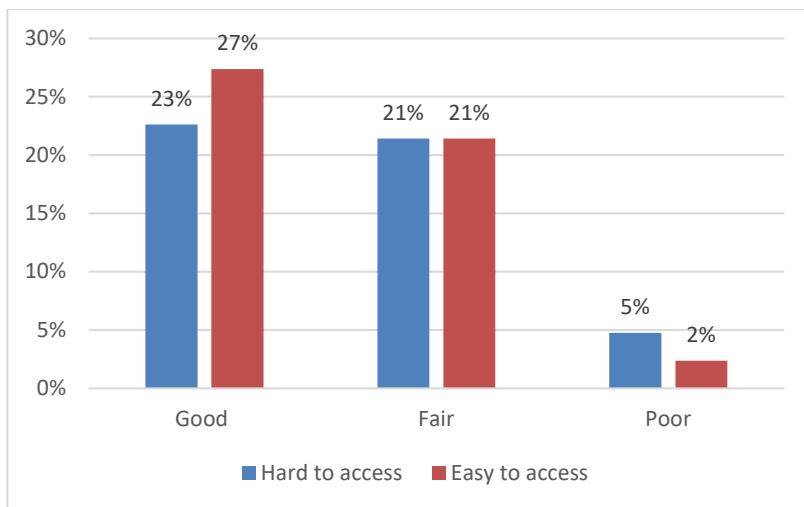


Figure 31 Sub-project accessibility and condition

6 ENVIRONMENT AND SOCIAL IMPACTS AND DISASTER RISK

Six of the 84 sub-projects reported that the works were constructed within a protected area. Some required provincial approval to proceed with mitigation measures during the construction. All reported no issues with environmental management. The visual observations did not note any detrimental impacts of the infrastructure on the environment. As most of the sub-projects evaluated were older than three years, this would have been sufficient time for the recovery of the environment.

| | Yes | No |
|--------------------------------------|-----|----|
| Works in protected area? | 6 | 78 |
| Works affecting personal properties? | 18 | 66 |
| Works affected by natural disasters? | 27 | 57 |

Some 18 sub-projects reported impacts on personal property due to the construction of the sub-projects. The majority of the affected voluntarily contributed land and assets to the project while some received compensation through land exchange or cash compensation by the contractor.

Of the 84 sub-projects, 27 (32%) reported the infrastructures having been impacted by natural disasters. In all cases for irrigation and water supply sub-projects, flooding or rising water was the main impact to infrastructures affecting the intake structures or the pipelines/canals. For the roads, heavy rainfall was the main culprit causing landslides and flooding of roadways.

7 CONCLUSIONS, RECOMMENDATIONS AND BEST PRACTICES

Despite most of the villages claiming difficulties in mobilization for maintenance, most of the sub-projects are still in good to reasonable conditions.

7.1 Documentation

As noted in section 4.2, the availability of the technical documentation for review is incomplete. Documents are not easily accessible and are improperly filed. To be able to fully assess the infrastructures, it is important to be able to know the full history of the sub-project from design to construction completion.

Design reports for each sub-project documenting the basic design assumptions, through to completion report with as-built drawings would be useful in determining the reasons for changes between the design and the construction i.e. where one road sub-project was completed without cross culverts when the design drawings included culverts.

These documents could be scanned, catalogued, and saved to the cloud to avoid loss or damage and be accessible at any time.

7.2 Irrigation

Irrigation works are overall in good and fair condition even those over 3 or 4 years of age with only a small percentage currently not working. These are due to damage caused by flooding which cannot be designed out completely in any case.

Consideration for low-cost fish passage at weirs would be ideal but has to be balanced with the already limited funding. However, control gates at weirs should be standard to allow for controlled release of water, if and when required.

The current designs show variable standards. More consistent standard could be incorporated if the PRF can introduce their own typical standards that can be adapted for different situations.

7.3 Roads

The roads are basic accesses that are still very beneficial to the villagers. At a median cost of around 92,000,000 per km they are very good value.

Earth roads are prone to erosion particularly in steep areas. Regular maintenance using labour is limited to the infilling of minor potholes and small-scale clearance of drains. Periodic maintenance requiring machinery such as the regrading of the carriageway is still necessary to ensure the surface crossfalls. Emergency clearance of the larger landslides are also essential to keeping the accesses in good condition.

For roads, focusing on the provision of good drainage with the limited funds would be more practical to ensure a longer life. Drainage can be easily maintained using manual labour. Although slope stabilizations continue to be an issue, the investment cost for slope protection is much greater than investment in good drainage.

7.4 Gravity-fed Water Supply

Based on the assessment, the defects are mainly in the water transmission/distribution systems. It is noted that most of the pipelines, possibly because these are installed by the community themselves are not properly installed per design, e.g. buried to a certain depth. When the pipes are exposed, they become more prone to damage and leakage.

As mentioned in section 6, water supply systems failure are mainly from flooding causing debris impact on the exposed pipelines. A focus on the protection of these would reduce the exposure to such damage.

7.5 Buildings

Visual condition of the buildings are generally good with only cleaning required. However, a standardization of the designs to specific standards would ensure consistency of quality.

ANNEX 1 EVALUATION QUESTIONNAIRE/CHECKLIST

Survey

ODK Form - PRF

Technical Assessment - Laos Poverty Reduction Fund

[Interviewer]
Name of the interviewer
 Username:

[Date]
today
 Today: ___ / ___ / ___ (DD/MM/YYYY)

[Starttime]
start
 Start time:

[Endtime]
end
 End time:

1.1 Interviewee

[Interviewee]
1.1.1 Interviewee name

[Position]
1.1.2 Occupation/Position

[Organization]
1.1.3 Organization

[Telephone]
1.1.4 Telephone number

[Photo]
Photo of interviewee (if any)
 Image:

II. Sub-project location

[Province]
2.1 Province

Choose only one option:

- | | |
|-----------------------|------------------|
| <input type="radio"/> | P. Attapeu |
| <input type="radio"/> | P. Houaphan |
| <input type="radio"/> | P. Louangnamtha |
| <input type="radio"/> | P. Louangphabang |
| <input type="radio"/> | P. Oudomxai |
| <input type="radio"/> | P. Phongsaly |
| <input type="radio"/> | P. Salavan |
| <input type="radio"/> | P. Savannakhet |
| <input type="radio"/> | P. Xekong |
| <input type="radio"/> | P. Xiengkhouang |

[District]

2.2 District

The choice list of this question (comprising 53 choices) was replaced with a text field due to this question having choice filter and more than 10 choices.

- Relevant when:

2.2 District was answered with **Other**.

[Other_d]

2.2.1 Specify other district

[Village]

2.3 Village

The choice list of this question (comprising 132 choices) was replaced with a text field due to this question having choice filter and more than 10 choices.

- Relevant when:

2.3 Village was answered with **Other**.

[Other_v]

2.3.1 Specify other village

[Kumban_name]
2.3.2 Kumban name

[Population]
2.4 Population

[Lao_Tai]
2.4.1 Lao Tai

[Hmong]
2.4.2 Hmong

[Mone_kmer]
2.4.3 Mone-kmer

[Other_ethnic_group]
2.4.4 Other

[Female]
2.5 Female

[Household]
2.6 Household

[vulnerable_HHs]
2.7 Vulnerable households

[farmer_HHs]
2.8 Number of farmer households in the village (HHs)

[Number_of_school]
2.9 Number of school

[Student]
2.10 Number of Student

Photos related to village

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| <p>Vi</p> <p>[description] Description</p> <p>[Photo] Take photo Image:</p> | | | | | |

[Category]
Select sub-project

Choose one or more options:

- 1. Primary school / Dispensary
- 2. Road
- 3. Water supply
- 4. Irrigation
- 5. Social

• Relevant when:

Select sub-project was answered with **1. Primary school / Dispensary**.

III. School / Dispensary Building

III.1 Construction

[StartDate]

1 Start date of construction

Date: __ / __ / ____ (DD/MM/YYYY)

• Relevant when:

1 Start date of construction is greater than 0.

[CompleteDate]

2 Completion date of construction

Date: __ / __ / ____ (DD/MM/YYYY)

[Cost]

3 Cost of construction (kip)

[Contractor]

4 Type of Contractors

Choose only one option:

- Construction company
- Construction company + Villager
- Villager
- OMC
- RMG
- Other (specify)

• Relevant when:

4 Type of Contractors was answered with **Other (specify)**.

[Other_Contractor]

4.1 Other, specify

[Detail_Address]

4.2 Detail/Address of contractor

[Scope_of_work_of_RehabConstruction]

5 Scope of work of Rehab/Construction

Choose only one option:

- New Construction
- Rehabilitation

[Scope_of_work_in_detail]

6 Scope of work in detail

III.2.5 Maintenance

[Is_there_a_road_maintenance_committee_Sc]

1 Is there a maintenance committee

Choose only one option:

- Yes
- No
- NA

- Relevant when:
1 Is there a maintenance committee was answered with Yes.

[If_yes_date_of_established]
2_ If yes, date of established

Date: __ / __ / __ (DD/MM/YYYY)

- Relevant when:
1 Is there a maintenance committee was answered with Yes.

[How_many_members_Sc]
3 How many members

- Relevant when:
3 How many members was NOT answered with 0 AND 3 How many members was NOT answered with ".

[No_of_head_of_committee_role]
4_ No. of head of committee role

- Relevant when:
3 How many members was NOT answered with 0 AND 3 How many members was NOT answered with ".

[No_of_treasurer_role]
5_ No. of treasurer role

- Relevant when:
3 How many members was NOT answered with 0 AND 3 How many members was NOT answered with ".

[No_of_care_taker_role]
6_ No. of care taker role

- Relevant when:
3 How many members was NOT answered with 0 AND 3 How many members was NOT answered with ".

[No_of_other_role_Sc]
7_ Other roles

- Relevant when:
7_ Other roles was NOT answered with 0 AND 7_ Other roles was NOT answered with ".

[Number_of_other]
8_ Number of other role

- Relevant when:
3 How many members was NOT answered with 0 AND 3 How many members was NOT answered with ".

[Number_of_female_committee]
9_ Number of female committee

- Relevant when:
1 Is there a maintenance committee was answered with Yes.

[Did_committee_members_receive_any_training]
10 Did committee members receive any training

Choose only one option:
 Yes
 No
 NA

- [Did_villagers_receive_any_training_on_maintenance]
11 Did villagers receive any training on maintenance

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- [How_many_times_have_maintenance_been_carried_out_since_completion_Sc]
12 How many times have maintenance been carried out since completion

- Relevant when:

12 How many times have maintenance been carried out since completion was NOT answered with 0 AND

12 How many times have maintenance been carried out since completion was NOT answered with ".

[Are_there_any_difficulties_in_mobilization_for_maintenance]
13 Are there any difficulties in mobilization for maintenance

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

12 How many times have maintenance been carried out since completion was NOT answered with 0 AND

12 How many times have maintenance been carried out since completion was NOT answered with ".

[Remark_of_difficulties_in_mobilization_for_maintenance]
14 Remark of difficulties in mobilization for maintenance

[Is_there_fees_for_maintenance_Sc]
15_ Is there fees for maintenance

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

15_ Is there fees for maintenance was answered with Yes.

[if_yes_price]
16_ if yes, price (kip)

- Relevant when:

15_ Is there fees for maintenance was answered with Yes.

[comment_of_fee]
16.1_ remark of fee

[and_other_payment_system_for_OM_Sc]
17_ and other payment system for O&M? (kip)

- Relevant when:

17_ and other payment system for O&M? (kip) was NOT answered with " AND 17_ and other payment system for O&M? (kip) was NOT answered with 0.

[comment_of_O_M]
17.1_ remark of O&M payment

III.2.6 Safeguards

[Are_the_works_in_a_protected_area_Sc]

1 Are the works in a protected area?

Choose only one option:

| |
|---------------------------|
| <input type="radio"/> Yes |
| <input type="radio"/> No |
| <input type="radio"/> NA |

• Relevant when:

[1 Are the works in a protected area?] was answered with [Yes].

[If_yes_what_actions_were_taken_to_avoid_impacts]

1.1 If yes, what actions were taken to avoid impacts

[Did_the_works_affect_any_village_lands_or_personal_property_Sc]

2 Did the works affect any village lands or personal property

Choose only one option:

| |
|---------------------------|
| <input type="radio"/> Yes |
| <input type="radio"/> No |
| <input type="radio"/> NA |

• Relevant when:

[2 Did the works affect any village lands or personal property] was answered with [Yes].

[If_yes_what_actions_were_taken_to_avoid_impacts_villagers]

2.1 If yes, what actions were taken to avoid impacts

[Remark]

3 Remark

III.2.7 Disaster Risk

[Does_the_area_suffer_from_any_natural_disasters_Sc]

1 Does the area suffer from any natural disasters?

Choose only one option:

| |
|---------------------------|
| <input type="radio"/> Yes |
| <input type="radio"/> No |
| <input type="radio"/> NA |

• Relevant when:

[1 Does the area suffer from any natural disasters?] was answered with [Yes].

[If_yes_were_these_potential_impacts_considered_in_the_design]

1.1 If yes, were these potential impacts considered in the design

Choose only one option:

| |
|---------------------------|
| <input type="radio"/> Yes |
| <input type="radio"/> No |
| <input type="radio"/> NA |

[Remark]

2 Remark

III.2.8 PRF (Training)

[How_many_trainings_were_provided_by_PRF_Sc]

1 How many trainings were provided by PRF

• Relevant when:

[1 How many trainings were provided by PRF] was NOT answered with 0 AND [1 How many trainings were provided by PRF] was NOT answered with ".

[How_would_you_rate_these_trainings]

2 How would you rate these trainings

Choose only one option:

| |
|---------------------------------|
| <input type="radio"/> excellent |
| <input type="radio"/> good |
| <input type="radio"/> fair |
| <input type="radio"/> poor |
| <input type="radio"/> very bad |
| <input type="radio"/> NA |

[Remark]

3 Remark

[Were_trained_villagers_able_to_carry_out_the_activities_they_were_trained_to_do_Sc]

4 Were trained villagers able to carry out the activities they were trained to do

Choose only one option:

| |
|---------------------------|
| <input type="radio"/> Yes |
| <input type="radio"/> No |
| <input type="radio"/> NA |

• Relevant when:

[4 Were trained villagers able to carry out the activities they were trained to do] was answered with [No].

[if_not_why]

4.1 If not, why?

[Were_there_any_follow_up_trainings_provided_Sc]

5 Were there any follow-up trainings provided

Choose only one option:

| |
|---------------------------|
| <input type="radio"/> Yes |
| <input type="radio"/> No |
| <input type="radio"/> NA |

• Relevant when:

[5 Were there any follow-up trainings provided] was answered with [Yes].

[If_yes_how_many_Time_Year]

5.1 If yes, how many (Time/Year)

[Remark]

6 Remark

III.2 Technical

III.2.1 Site works

[Backfill]
1 Backfill

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment1]
1.1 Comment

- Relevant when:

1 Backfill was NOT answered with NA.

[Photo_Backfill]
Photo_Backfill

Image:

[Surface_drainage]
2 Surface drainage

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment2]
2.1 Comment

- Relevant when:

2 Surface drainage was NOT answered with NA.

[Photo_Surface_drainage]
Photo_Surface drainage

Image:

[Trees_and_vegetation_on_site]
3 Trees and vegetation on site

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment3]
3.1 Comment

- Relevant when:

3 Trees and vegetation on site was NOT answered with NA.

[Photo_Trees_and_vegetation_on_site]
Photo_Trees and vegetation on site

Image:

[Parking_area]
4 Parking area

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment4]
4.1 Comment

- Relevant when:

4 Parking area was NOT answered with NA.

[Photo_Parking_area]
Photo_Parking area

Image:

[Fences_Poles]
5 Fences/Poles

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment5]
5.1 Comment

- Relevant when:

5 Fences/Poles was NOT answered with NA.

[Photo_Fences_Poles]
Photo_Fences/Poles

Image:

[Railings]
6 Railings

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment6]
6.1 Comment

- Relevant when:

6 Railings was NOT answered with NA.

[Photo_Railings]
Photo_Railings

Image:

[Building_Accessibility_]
7 Building Accessibility

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment7]
7.1 Comment

- Relevant when:

7 Building Accessibility was NOT answered with NA.

[Photo_Building_Accessibility_]
Photo_Building Accessibility

Image:

[Pathway_Sidewalks_Curbs]
8 Pathway / Sidewalks / Curbs

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment8]
8.1 Comment

- Relevant when:

8 Pathway / Sidewalks / Curbs was NOT answered with NA.

[Photo_Pathway_Sidewalks_Curbs]
Photo_Pathway / Sidewalks / Curbs

Image:

[Stairs_Steps]
9 Stairs/Steps

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment9]
9.1 Comment

- Relevant when:

9 Stairs/Steps was NOT answered with NA.

[Photo_Stairs_Steps]
Photo_Stairs/Steps

Image:

[Signs]

10 Signs

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment10]
10.1 Comment

- Relevant when:

10 Signs was NOT answered with NA.

[Photo_Signs]
Photo_Signs

Image:

[Other_items1]
11 Other, specify

- Relevant when:

11 Other, specify was NOT answered with ".

[Other_items_1]
11.1 \${Other_items1}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

- Relevant when:

11 Other, specify was NOT answered with ".

[Other_items2]
12 Other, specify

- Relevant when:

12 Other, specify was NOT answered with ".

[Other_items_2]
12.1 \${Other_items2}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

- Relevant when:

12 Other, specify was NOT answered with ".

[Other_items3]
13 Other, specify

- Relevant when:
[13 Other, specify] was NOT answered with ".

[Other_items_3]
13.1 \${Other_items3}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

More photos about Site works

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| Si [Photo_type] Photo type Choose only one option: <input type="radio"/> Backfill <input type="radio"/> Surface drainage <input type="radio"/> Trees and vegetation on site <input type="radio"/> Parking area <input type="radio"/> Fences/Poles <input type="radio"/> Railings <input type="radio"/> Building Accessibility <input type="radio"/> Pathway / Sidewalks / Curbs <input type="radio"/> Stairs/Steps <input type="radio"/> Signs <input type="radio"/> other | | | | | |
| <ul style="list-style-type: none"> • Relevant when: [Photo_type] was answered with [other]. [other_ph] Specify other | | | | | |
| [Photo] Take photo Image: | | | | | |

III.2.2_ Architectural work

[Columns_Supports]
1 Columns/Supports

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

- [comment2]

1.1 Comment

- Relevant when:
[1 Columns/Supports] was NOT answered with [NA].

[Photo_Columns_Supports]
Photo_Columns/Supports

Image:

[Walkways]
2 Walkways

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

- [comment3]

2.1 Comment

- Relevant when:
[2 Walkways] was NOT answered with [NA].

[Photo_Walkways]
Photo_Walkways

Image:

[Porches_and_covered_walkways]
3 Porches and covered walkways

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

- [comment4]

3.1 Comment

- Relevant when:
[3 Porches and covered walkways] was NOT answered with [NA].

[Photo_Porches_and_covered_walkways]
Photo_Porches and covered walkways

Image:

[Interior_slab]
4 Interior slab

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment6]
4.1 Comment

- Relevant when:
4 Interior slab was NOT answered with NA.

[Photo_Interior_slab]
Photo_Interior_slab

Image:

[Tile_and_or_floor_finishes]
5 Tile and/or floor finishes

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment7]
5.1 Comment

- Relevant when:
5 Tile and/or floor finishes was NOT answered with NA.

[Photo_Tile_and_or_floor_finishes]
Photo_Tile and/or floor finishes

Image:

[Masonry_stone_brick]
6 Masonry (stone, brick)

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment8]
6.1 Comment

- Relevant when:
6 Masonry (stone, brick) was NOT answered with NA.

[Photo_Masonry_stone_brick]
Photo_Masonry (stone, brick)

Image:

[Exterior_Walls]
7 Exterior Walls

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment9]
7.1 Comment

- Relevant when:
7 Exterior Walls was NOT answered with NA.

[Photo_Exterior_Walls]
Photo_Exterior_Walls

Image:

[Interior_Walls]
8 Interior Walls

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment10]
8.1 Comment

- Relevant when:
8 Interior Walls was NOT answered with NA.

[Photo_Interior_Walls]
Photo_Interior_Walls

Image:

[Exterior_wall_finish]
9 Exterior wall finish

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment11]
9.1 Comment

- Relevant when:
9 Exterior wall finish was NOT answered with NA.

[Photo_Exterior_wall_finish]
Photo_Exterior_wall_finish

Image:

[Interior_wall_finish]
10 Interior wall finish

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment12]
10.1 Comment

- Relevant when:
10 Interior wall finish was NOT answered with NA.

[Photo_Interior_wall_finish]
Photo_Interior wall finish

Image:

[Insulation]
11 Insulation

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment13]
11.1 Comment

- Relevant when:
11 Insulation was NOT answered with NA.

[Photo_Insulation]
Photo_Insulation

Image:

[Doors]
12 Doors

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment14]
12.1 Comment

- Relevant when:
12 Doors was NOT answered with NA.

[Photo_Doors]
Photo_Doors

Image:

[Door_jam]
13 Door jam

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment15]
13.1 Comment

- Relevant when:
13 Door jam was NOT answered with NA.

[Photo_Door_jam]
Photo_Door jam

Image:

[Door_hardware]
14 Door hardware

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment16]
14.1 Comment

- Relevant when:
14 Door hardware was NOT answered with NA.

[Photo_Door_hardware]
Photo_Door hardware

Image:

[Partitions_and_interior_doors]
15 Partitions and interior doors

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment17]
15.1 Comment

- Relevant when:
15 Partitions and interior doors was NOT answered with NA.

[Photo_Partitions_and_interior_doors]
Photo_Partitions and interior doors

Image:

[Window_casing]
16 Window casing

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment18]
16.1 Comment

- Relevant when:
16 Window casing was NOT answered with NA.

[Photo_Window_casing]
Photo_Window_casing

Image:

[Window_glass_screen]
17 Window (glass, screen)

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment19]
17.1 Comment

- Relevant when:
17 Window (glass, screen) was NOT answered with NA.

[Photo_Window_glass_screen]
Photo_Window (glass, screen)

Image:

[Roof_Roofing]
18 Roof/Roofing

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment20]
18.1 Comment

- Relevant when:
18 Roof/Roofing was NOT answered with NA.

[Photo_Roof_Roofing]
Photo_Roof/Roofing

Image:

[Fascia]
19 Fascia

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment21]
19.1 Comment

- Relevant when:
19 Fascia was NOT answered with NA.

[Photo_Fascia]
Photo_Fascia

Image:

[Roof_drainage_Gutter]
20 Roof drainage/Gutter

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment22]
20.1 Comment

- Relevant when:
20 Roof drainage/Gutter was NOT answered with NA.

[Photo_Roof_drainage_Gutter]
Photo_Roof drainage/Gutter

Image:

[Ceiling]
21 Ceiling

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment23]
21.1 Comment

- Relevant when:
21 Ceiling was NOT answered with NA.

[Photo_Ceiling]
Photo_Ceiling

Image:

[Attic_access]
22 Attic access

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment24]
22.1 Comment

• Relevant when:
22 Attic access was NOT answered with **NA**.

[Photo_Attic_access]
Photo_Attic_access

Image:

[Stairs_Ladders_Handrails]
23 Stairs/Ladders/Handrails

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment25]
23.1 Comment

• Relevant when:
23 Stairs/Ladders/Handrails was NOT answered with **NA**.

[Photo_Stairs_Ladders_Handrails]
Photo_Stairs/Ladders/Handrails

Image:

[Vents]
24 Vents

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment26]
24.1 Comment

• Relevant when:
24 Vents was NOT answered with **NA**.

[Photo_Vents]
Photo_Vents

Image:

[OtherAW_items1]
25 Other, specify

• Relevant when:
25 Other, specify was NOT answered with ".

[OtherAW_items_1]
25.1 \${OtherAW_items1}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

• Relevant when:
25 Other, specify was NOT answered with ".

[OtherAW_items2]
26 Other, specify

• Relevant when:
26 Other, specify was NOT answered with ".

[OtherAW_items_2]
26.1 \${OtherAW_items2}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

• Relevant when:
26 Other, specify was NOT answered with ".

[OtherAW_items3]
27 Other, specify

• Relevant when:
27 Other, specify was NOT answered with ".

[OtherAW_items_3]
27.1 \${OtherAW_items3}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

Architectural works photo

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|----------|-----------|-----------|-----------|-----------|-----------|
|----------|-----------|-----------|-----------|-----------|-----------|

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|-----------|-----------|-----------|-----------|-----------|
| Arc | | | | | |
| [Photo_type_Arc] Photo type Choose only one option: Foundation Columns/Supports Walkways Porches and covered walkways Exterior slab Interior slab Tile and/or floor finishes Masonry (stone, brick) Exterior Walls Interior Walls Exterior wall finish Interior wall finish Insulation Doors Door jam Door hardware Partitions and interior doors Window casing Window (glass, screen) Roof/Roofing Fascia Roof drainage/Gutter Ceiling Attic access Stairs/Ladders/Handrails Vents Other | | | | | |
| • Relevant when: Photo type was answered with Other. | | | | | |
| [other_ph] Specify other | | | | | |
| [Photo] Take photo Image: | | | | | |
| III.2.3 Mechanical work | | | | | |
| [Water_supply_Sc] 1 Water supply Choose only one option: <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor <input type="radio"/> NA | | | | | |

| |
|--|
| [comment1] 1.1 Comment |
| • Relevant when: 1 Water supply was NOT answered with NA. |
| [Photo_Water_supply_Sc] Photo_Water supply Image: |
| [Faucets_Water_tap] 2 Faucets/Water tap Choose only one option: <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor <input type="radio"/> NA |
| [comment2] 2.1 Comment |
| • Relevant when: 2 Faucets/Water tap was NOT answered with NA. |
| [Photo_Faucets_Water_tap] Photo_Faucets/Water tap Image: |
| [Toilet] 3 Toilet Choose only one option: <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor <input type="radio"/> NA |
| [comment3] 3.1 Comment |
| • Relevant when: 3 Toilet was NOT answered with NA. |
| [Photo_Toilet] Photo_Toilet Image: |
| [Sinks] 4 Sinks Choose only one option: <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor <input type="radio"/> NA |

[comment4]
4.1 Comment

- Relevant when:
4 Sinks was NOT answered with NA.

[Photo_Sinks]
Photo_Sinks

Image:

[Hangers]
5 Hangers

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment5]
5.1 Comment

- Relevant when:
5 Hangers was NOT answered with NA.

[Photo_Hangers]
Photo_Hangers

Image:

[Toilet_paper_dispenser]
6 Toilet paper dispenser

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment6]
6.1 Comment

- Relevant when:
6 Toilet paper dispenser was NOT answered with NA.

[Photo_Toilet_paper_dispenser]
Photo_Toilet paper dispenser

Image:

[Floor_drains]
7 Floor drains

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment7]
7.1 Comment

- Relevant when:
7 Floor drains was NOT answered with NA.

[Photo_Floor_drains]
Photo_Floor drains

Image:

[Fixtures_]
8 Fixtures

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment8]
8.1 Comment

- Relevant when:
8 Fixtures was NOT answered with NA.

[Photo_Fixtures_]
Photo_Fixtures

Image:

[West_water_system]
9 West water system

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment9]
9.1 Comment

- Relevant when:
9 West water system was NOT answered with NA.

[Photo_West_water_system]
Photo_West water system

Image:

[OtherMC_items1]
10 Other, specify

- Relevant when:
[10 Other, specify] was NOT answered with ".

[OtherMC_items_1]
10.1 \${OtherMC_items1}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

- Relevant when:
[10 Other, specify] was NOT answered with ".

[OtherMC_items2]
11 Other, specify

- Relevant when:
[11 Other, specify] was NOT answered with ".

[OtherMC_items_2]
11.1 \${OtherMC_items2}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

- Relevant when:
[11 Other, specify] was NOT answered with ".

[OtherMC_items3]
12 Other, specify

- Relevant when:
[12 Other, specify] was NOT answered with ".

[OtherMC_items_3]
12.1 \${OtherMC_items3}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

Mechanical works photo

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|----------|-----------|-----------|-----------|-----------|-----------|
|----------|-----------|-----------|-----------|-----------|-----------|

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 | | | | | | | | | |
|---|--------------|-------------------|-----------|-----------|-----------|------------------------|--------------|----------|-------------------|-------|--|--|--|--|
| Mc | | | | | | | | | | | | | | |
| <p>[Photo_type_Mech1] Photo type</p> <p>Choose only one option:</p> <table border="1"> <tr><td>Water supply</td></tr> <tr><td>Faucets/Water tap</td></tr> <tr><td>Toilet</td></tr> <tr><td>Sinks</td></tr> <tr><td>Hangers</td></tr> <tr><td>Toilet paper dispenser</td></tr> <tr><td>Floor drains</td></tr> <tr><td>Fixtures</td></tr> <tr><td>West water system</td></tr> <tr><td>Other</td></tr> </table> | Water supply | Faucets/Water tap | Toilet | Sinks | Hangers | Toilet paper dispenser | Floor drains | Fixtures | West water system | Other | | | | |
| Water supply | | | | | | | | | | | | | | |
| Faucets/Water tap | | | | | | | | | | | | | | |
| Toilet | | | | | | | | | | | | | | |
| Sinks | | | | | | | | | | | | | | |
| Hangers | | | | | | | | | | | | | | |
| Toilet paper dispenser | | | | | | | | | | | | | | |
| Floor drains | | | | | | | | | | | | | | |
| Fixtures | | | | | | | | | | | | | | |
| West water system | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> • Relevant when: [Photo type] was answered with [Other]. <p>[other_ph] Specify other</p> | | | | | | | | | | | | | | |
| <p>[Photo] Take photo</p> <p>Image:</p> | | | | | | | | | | | | | | |

III.2.4 Electrical work

[Electrical_service]
1 Electrical service

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment1]
1.1 Comment

- Relevant when:
[1 Electrical service] was NOT answered with [NA].

[Photo_Electrical_service]
Photo_Electrical service

Image:

[Switches]
2 Switches

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment2]
2.1 Comment

- Relevant when:

2 Switches was NOT answered with NA.

[Photo_Switches]
Photo_Switches

Image:

[Interior_Lighting]
3 Interior Lighting

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment3]
3.1 Comment

- Relevant when:

3 Interior Lighting was NOT answered with NA.

[Photo_Interior_Lighting]
Photo_Interior Lighting

Image:

[Sidelights]
4 Sidelights

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment4]
4.1 Comment

- Relevant when:

4 Sidelights was NOT answered with NA.

[Photo_Sidelights]
Photo_Sidelights

Image:

[Sensors]
5 Sensors

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment5]
5.1 Comment

- Relevant when:

5 Sensors was NOT answered with NA.

[Photo_Sensors]
Photo_Sensors

Image:

[Breaker_panel_fuse_boxes]
6 Breaker panel/fuse boxes

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment6]
6.1 Comment

- Relevant when:

6 Breaker panel/fuse boxes was NOT answered with NA.

[Photo_Breaker_panel_fuse_boxes]
Photo_Breaker panel/fuse boxes

Image:

[Fixtures]
7 Fixtures

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment7]
7.1 Comment

- Relevant when:

7 Fixtures was NOT answered with NA.

[Photo_Fixtures]
Photo_Fixtures

Image:

[Grounding]
8 Grounding

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

[comment8]
8.1 Comment

• Relevant when:

8 Grounding was NOT answered with NA.

[Photo_Grounding]
Photo_Grounding

Image:

[OtherEL_items1]
9 Other, specify

• Relevant when:

9 Other, specify was NOT answered with ".

[OtherEL_items_1]
9.1 \${OtherEL_items1}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

• Relevant when:

9 Other, specify was NOT answered with ".

[OtherEL_items2]
10 Other, specify

• Relevant when:

10 Other, specify was NOT answered with ".

[OtherEL_items_2]
10.1 \${OtherEL_items2}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

• Relevant when:

10 Other, specify was NOT answered with ".

[OtherEL_items3]
11 Other, specify

• Relevant when:

11 Other, specify was NOT answered with ".

[OtherEL_items_3]
11.1 \${OtherEL_items3}

Choose only one option:

| | |
|-----------------------|------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Poor |
| <input type="radio"/> | NA |

Electrical works photo

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 | | | | | | | | | |
|--|--------------------|-----------|-------------------|------------|-----------|--------------------------|----------|-----------|-------|--|--|--|--|--|
| <p style="text-align: center;">EI</p> <p>[photo_type_Eletric] Photo type</p> <p>Choose only one option:</p> <table border="1"><tr><td>Electrical service</td></tr><tr><td>Switches</td></tr><tr><td>Interior Lighting</td></tr><tr><td>Sidelights</td></tr><tr><td>Sensors</td></tr><tr><td>Breaker panel/fuse boxes</td></tr><tr><td>Fixtures</td></tr><tr><td>Grounding</td></tr><tr><td>other</td></tr></table> | Electrical service | Switches | Interior Lighting | Sidelights | Sensors | Breaker panel/fuse boxes | Fixtures | Grounding | other | | | | | |
| Electrical service | | | | | | | | | | | | | | |
| Switches | | | | | | | | | | | | | | |
| Interior Lighting | | | | | | | | | | | | | | |
| Sidelights | | | | | | | | | | | | | | |
| Sensors | | | | | | | | | | | | | | |
| Breaker panel/fuse boxes | | | | | | | | | | | | | | |
| Fixtures | | | | | | | | | | | | | | |
| Grounding | | | | | | | | | | | | | | |
| other | | | | | | | | | | | | | | |

• Relevant when:

Photo type was answered with other.

[other_ph]
Specify other

[Photo]
Take photo

Image:

[End_school]
**This is the end of
"Primary school assessment"**

• Relevant when:

Select sub-project was answered with 2. Road.

IV. Road assessment

IV.1 Road Construction

[StartDate_Rd]
1 Start date of construction
 Date: __ / __ / __ (DD/MM/YYYY)

- Relevant when:
 [1 Start date of construction] is greater than 0.

[CompleteDate_Rd]
2 Completion date of construction
 Date: __ / __ / __ (DD/MM/YYYY)

[Cost_Rd]
3 Cost of construction (kip)

[Contractor_Rd]
4 Type of Contractors
 Choose only one option:

| | |
|-----------------------|---------------------------------|
| <input type="radio"/> | Construction company |
| <input type="radio"/> | Construction company + Villager |
| <input type="radio"/> | Villager |
| <input type="radio"/> | OMC |
| <input type="radio"/> | RMG |
| <input type="radio"/> | Other (specify) |

- Relevant when:
 [4 Type of Contractors] was answered with [Other (specify)].

[Other_Contractor]
4.1 Other, specify

[Detail_Address]
4.2 Detail/Address of contractor

[Scope_of_work_of_RehabConstruction]
5 Scope of work of Rehab/Construction
 Choose only one option:

| | |
|-----------------------|------------------|
| <input type="radio"/> | New Construction |
| <input type="radio"/> | Rehabilitation |

[Scope_of_work_in_detail]
6 Scope of work in detail

IV.11 Maintenance

[Is_there_a_road_maintenance_committee_Rd]
1 Is there a maintenance committee
 Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:
 [1 Is there a maintenance committee] was answered with [Yes].

[If_yes_date_of_established]
2 If yes, date of established
 Date: __ / __ / __ (DD/MM/YYYY)

- Relevant when:
 [1 Is there a maintenance committee] was answered with [Yes].

[How_many_members_Rd]
3 How many members

- Relevant when:
 [3 How many members] was NOT answered with 0 AND [3 How many members] was NOT answered with "".

[No_of_head_of_committee_role]
4 No. of head of committee role

- Relevant when:
 [3 How many members] was NOT answered with 0 AND [3 How many members] was NOT answered with "".

[No_of_treasurer_role]
5 No. of treasurer role

- Relevant when:
 [3 How many members] was NOT answered with 0 AND [3 How many members] was NOT answered with "".

[No_of_care_taker_role]
6 No. of care taker role

- Relevant when:
 [3 How many members] was NOT answered with 0 AND [3 How many members] was NOT answered with "".

[No_of_other_role_Rd]
7 Other roles

- Relevant when:
 [7 Other roles] was NOT answered with 0 AND [7 Other roles] was NOT answered with "".

[Number_of_other]
8 Number of other role

- Relevant when:
 [3 How many members] was NOT answered with 0 AND [3 How many members] was NOT answered with "".

[Number_of_female_committee]
9 Number of female committee

- Relevant when:
 [1 Is there a maintenance committee] was answered with [Yes].

[Did_committee_members_receive_any_training]
10 Did committee members receive any training
 Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Did_villagers_receive_any_training_on_maintenance]
11 Did villagers receive any training on maintenance

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[How_many_times_have_maintenance_been_carried_out_since_completion_Rd]
12 How many times have maintenance been carried out since completion

• Relevant when:

12 How many times have maintenance been carried out since completion was NOT answered with 0 **AND**

12 How many times have maintenance been carried out since completion was NOT answered with ".

[Are_there_any_difficulties_in_mobilization_for_maintenance]
13 Are there any difficulties in mobilization for maintenance

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

12 How many times have maintenance been carried out since completion was NOT answered with 0 **AND**

12 How many times have maintenance been carried out since completion was NOT answered with ".

[Remark_of_difficulties_in_mobilization_for_maintenance]
14 Remark of difficulties in mobilization for maintenance

[Is_there_fees_for_maintenance_Rd]
15 Is there fees for maintenance

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

15 Is there fees for maintenance was answered with **Yes**.

[if_yes_price]
16 if yes, price (kip)

• Relevant when:

15 Is there fees for maintenance was answered with **Yes**.

[comment_of_fee]
16.1 remark of fee

[and_other_payment_system_for_OM_Rd]
17 and other payment system for O&M? (kip)

• Relevant when:

17 and other payment system for O&M? (kip) was NOT answered with 0 **AND** 17 and other payment

system for O&M? (kip) was NOT answered with ".

[comment_of_O_M]
17.1 remark of O&M payment

IV.12 Safeguards

[Are_the_works_in_a_protected_area_Rd]

1 Are the works in a protected area?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

1 Are the works in a protected area? was answered with **Yes**.

[If_yes_what_actions_were_taken_to_avoid_impacts]

1.1 If yes, what actions were taken to avoid impacts

[Did_the_works_affect_any_village_lands_or_personal_property_Rd]

2 Did the works affect any village lands or personal property

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

2 Did the works affect any village lands or personal property was answered with **Yes**.

[If_yes_what_actions_were_taken_to_avoid_impacts_villagers]

2.1 If yes, what actions were taken to avoid impacts

[Remark]

3 Remark

IV.13 Disaster Risk

[Does_the_area_suffer_from_any_natural_disasters_Rd]

1 Does the area suffer from any natural disasters?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

1 Does the area suffer from any natural disasters? was answered with **Yes**.

[If_yes_were_these_potential_impacts_considered_in_the_design]

1.1 If yes, were these potential impacts considered in the design

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Remark]

2 Remark

IV.14 PRF (Training)

| | | | | | | | | | | | | | |
|--|--|-----------------------|-----------|-----------------------|-----------|-----------------------|------|-----------------------|------|-----------------------|----------|-----------------------|----|
| [How_many_trainings_were_provided_by_PRF_Rd] | 1 How many trainings were provided by PRF | | | | | | | | | | | | |
| <p>• Relevant when:</p> <p>1 How many trainings were provided by PRF was NOT answered with 0 AND 1 How many trainings were provided by PRF was NOT answered with ".</p> | | | | | | | | | | | | | |
| <p>[How_would_you_rate_these_trainings]</p> <p>2 How would you rate these trainings</p> <p>Choose only one option:</p> <table border="1"> <tr><td><input type="radio"/></td><td>excellent</td></tr> <tr><td><input type="radio"/></td><td>good</td></tr> <tr><td><input type="radio"/></td><td>fair</td></tr> <tr><td><input type="radio"/></td><td>poor</td></tr> <tr><td><input type="radio"/></td><td>very bad</td></tr> <tr><td><input type="radio"/></td><td>NA</td></tr> </table> | | <input type="radio"/> | excellent | <input type="radio"/> | good | <input type="radio"/> | fair | <input type="radio"/> | poor | <input type="radio"/> | very bad | <input type="radio"/> | NA |
| <input type="radio"/> | excellent | | | | | | | | | | | | |
| <input type="radio"/> | good | | | | | | | | | | | | |
| <input type="radio"/> | fair | | | | | | | | | | | | |
| <input type="radio"/> | poor | | | | | | | | | | | | |
| <input type="radio"/> | very bad | | | | | | | | | | | | |
| <input type="radio"/> | NA | | | | | | | | | | | | |
| <p>[Remark]</p> <p>3 Remark</p> | | | | | | | | | | | | | |
| <p>[Were_trained_villagers_able_to_carry_out_the_activities_they_were_trained_to_do_Rd]</p> <p>4 Were trained villagers able to carry out the activities they were trained to do</p> <p>Choose only one option:</p> <table border="1"> <tr><td><input type="radio"/></td><td>Yes</td></tr> <tr><td><input type="radio"/></td><td>No</td></tr> <tr><td><input type="radio"/></td><td>NA</td></tr> </table> | | <input type="radio"/> | Yes | <input type="radio"/> | No | <input type="radio"/> | NA | | | | | | |
| <input type="radio"/> | Yes | | | | | | | | | | | | |
| <input type="radio"/> | No | | | | | | | | | | | | |
| <input type="radio"/> | NA | | | | | | | | | | | | |
| <p>• Relevant when:</p> <p>4 Were trained villagers able to carry out the activities they were trained to do was answered with No.</p> | | | | | | | | | | | | | |
| <p>[if_not_why]</p> <p>4.1 If not, why?</p> | | | | | | | | | | | | | |
| <p>[Were_there_any_follow_up_trainings_provided_Rd]</p> <p>5 Were there any follow-up trainings provided</p> <p>Choose only one option:</p> <table border="1"> <tr><td><input type="radio"/></td><td>Yes</td></tr> <tr><td><input type="radio"/></td><td>No</td></tr> <tr><td><input type="radio"/></td><td>NA</td></tr> </table> | | <input type="radio"/> | Yes | <input type="radio"/> | No | <input type="radio"/> | NA | | | | | | |
| <input type="radio"/> | Yes | | | | | | | | | | | | |
| <input type="radio"/> | No | | | | | | | | | | | | |
| <input type="radio"/> | NA | | | | | | | | | | | | |
| <p>• Relevant when:</p> <p>5 Were there any follow-up trainings provided was answered with Yes.</p> | | | | | | | | | | | | | |
| <p>[If_yes_how_many_Time_Year]</p> <p>5.1 If yes, how many (Time/Year)</p> | | | | | | | | | | | | | |
| <p>[Remark]</p> <p>6 Remark</p> | | | | | | | | | | | | | |
| <p>IV.2 Technical-1 (Terrain)</p> | | | | | | | | | | | | | |
| <p>Road terrain photo</p> | | | | | | | | | | | | | |
| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 | | | | | | | | |

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 | | | | | | | | | | |
|---|-----------------------------------|--------------------|-----------|-------------------|-----------|-------------|-------------------------------|-----------------------------|--|--------------------------|------|--------------------------|---------|--------------------------|-------------|
| <p>Rd-Terrain</p> <table border="1"> <tr><td>[description]</td><td>Description</td></tr> <tr><td>[Photo]</td><td>Take photo</td></tr> <tr><td colspan="2">Image:</td></tr> </table> | [description] | Description | [Photo] | Take photo | Image: | | | | | | | | | | |
| [description] | Description | | | | | | | | | | | | | | |
| [Photo] | Take photo | | | | | | | | | | | | | | |
| Image: | | | | | | | | | | | | | | | |
| <p>Terrain data</p> <table border="1"> <tr> <td>[terrain]</td> <td>1 Type of Road terrain</td> </tr> <tr> <td colspan="2">Choose one or more options:</td> </tr> <tr><td><input type="checkbox"/></td><td>Flat</td></tr> <tr><td><input type="checkbox"/></td><td>Rolling</td></tr> <tr><td><input type="checkbox"/></td><td>Mountainous</td></tr> </table> | | | | | | [terrain] | 1 Type of Road terrain | Choose one or more options: | | <input type="checkbox"/> | Flat | <input type="checkbox"/> | Rolling | <input type="checkbox"/> | Mountainous |
| [terrain] | 1 Type of Road terrain | | | | | | | | | | | | | | |
| Choose one or more options: | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Flat | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Rolling | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Mountainous | | | | | | | | | | | | | | |
| [type] | 2 Road type | | | | | | | | | | | | | | |
| Choose one or more options: | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Earth roads | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Gravel roads | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Bituminous roads | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Asphalt roads | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Concrete roads | | | | | | | | | | | | | | |
| [length_km] | 3 Road length(km) | | | | | | | | | | | | | | |
| [width_m] | 4 Road width (m) | | | | | | | | | | | | | | |
| [condition] | 5 Overall Road condition | | | | | | | | | | | | | | |
| Choose only one option: | | | | | | | | | | | | | | | |
| <input type="radio"/> | Good | | | | | | | | | | | | | | |
| <input type="radio"/> | Fair | | | | | | | | | | | | | | |
| <input type="radio"/> | Poor | | | | | | | | | | | | | | |
| <input type="radio"/> | NA | | | | | | | | | | | | | | |
| [Remark] | 6 Remark of road condition | | | | | | | | | | | | | | |
| <p>IV.3 Technical-2 (Ride)</p> | | | | | | | | | | | | | | | |

[Ride_quality]
1 Ride quality
 Choose only one option:
 Good
 Fair
 Poor
 NA

[Remark]
2 Remark of Ride quality

IV.4 Technical-3 (Design)

[Max_Profile_gradient_percent]
1 Max. Profile gradient (%)

• Relevant when:
 1 Max. Profile gradient (%) was NOT answered with 0 AND 1 Max. Profile gradient (%) was NOT answered with ".

[Photo_Max_Profile_gradient_percent]
Photo_Max. Profile gradient (%)

Image:

[Crossfall_percent]
2 Crossfall (%)

• Relevant when:
 2 Crossfall (%) was NOT answered with 0 AND 2 Crossfall (%) was NOT answered with ".

[Photo_Crossfall_percent]
Photo_Crossfall (%)

Image:

[Max_Superelevation_percent]
3 Max. Superelevation (%)

• Relevant when:
 3 Max. Superelevation (%) was NOT answered with 0 AND 3 Max. Superelevation (%) was NOT answered with ".

[Photo_Max_Superelevation_percent]
Photo_Max. Superelevation (%)

Image:

[Max_Cut_slope_V_H]
4 Max. Cut slope (V/H)

• Relevant when:
 4 Max. Cut slope (V/H) was NOT answered with 0 AND 4 Max. Cut slope (V/H) was NOT answered with ".

[Photo_Max_Cut_slope_V_H]
Photo_Max. Cut slope (V/H)

Image:

[Min_Vertical_Curve_m]
5 Min. Vertical Curve (m)

• Relevant when:
 5 Min. Vertical Curve (m) was NOT answered with 0 AND 5 Min. Vertical Curve (m) was NOT answered with ".

[Photo_Min_Vertical_Curve_m]
Photo_Min. Vertical Curve (m)

Image:

[Min_Horizontal_Curve_m]
6 Min. Horizontal Curve (m)

• Relevant when:
 6 Min. Horizontal Curve (m) was NOT answered with 0 AND 6 Min. Horizontal Curve (m) was NOT answered with ".

[Photo_Min_Horizontal_Curve_m]
Photo_Min. Horizontal Curve (m)

Image:

[Road_reserve_m]
7 Road reserve (m)

• Relevant when:
 7 Road reserve (m) was NOT answered with 0 AND 7 Road reserve (m) was NOT answered with ".

[Photo_Road_reserve_m]
Photo_Road reserve (m)

Image:

[Max_fill_slope_V_H]
8 Max. fill slope (V/H)

• Relevant when:
 8 Max. fill slope (V/H) was NOT answered with 0 AND 8 Max. fill slope (V/H) was NOT answered with ".

[Photo_Max_fill_slope_V_H]
Photo_Max. fill slope (V/H)

Image:

[Slope_stability_Protection_type]
9 Slope stability Protection type

Choose one or more options:

| | |
|--------------------------|--------------------|
| <input type="checkbox"/> | Riprap |
| <input type="checkbox"/> | Masonry |
| <input type="checkbox"/> | Gabion |
| <input type="checkbox"/> | Reinforcedconcrete |
| <input type="checkbox"/> | NA |

• Relevant when:
9 Slope stability Protection type was NOT answered with 0 **AND** **9 Slope stability Protection type** was NOT answered with ".

[Photo_Slope_stability_Protection_type]
Photo_Slope stability Protection type

Image:

[Remark_protection]
10 Remark of Slope stability Protection

Road - Design photo

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| Rd-Design | | | | | |
| [photo_type_RdDesign] Photo type | | | | | |
| Choose only one option: | | | | | |
| <input type="checkbox"/> Max. Profile gradient (%) <input type="checkbox"/> Crossfall (%) <input type="checkbox"/> Max. Superelevation (%) <input type="checkbox"/> Max. Cut slope (V/H) <input type="checkbox"/> Min. Vertical Curve (m) <input type="checkbox"/> Min. Horizontal Curve (m) <input type="checkbox"/> Road reserve (m) <input type="checkbox"/> Max. fill slope (V/H) <input type="checkbox"/> Slope stability Protection type <input type="checkbox"/> other | | | | | |
| • Relevant when: Photo type was answered with other . | | | | | |
| [other_ph] Specify other | | | | | |
| [Photo] Take photo | | | | | |
| Image: | | | | | |

IV.5 Technical-4.1 (Drainage - pipe culvert)

[Side_drainage_Shape]
1 Side drainage Shape

Choose only one option:

| | |
|-----------------------|---------|
| <input type="radio"/> | V-shape |
| <input type="radio"/> | U-shape |
| <input type="radio"/> | NA |

• Relevant when:
1 Side drainage Shape was NOT answered with **NA**.

[Photo_Side_drainage_Shape]
Photo_Side drainage Shape

Image:

[Side_drainage_type]
2 Side drainage type

Choose only one option:

| | |
|-----------------------|----------|
| <input type="radio"/> | Earth |
| <input type="radio"/> | Riprap |
| <input type="radio"/> | Masonry |
| <input type="radio"/> | Concrete |
| <input type="radio"/> | NA |

• Relevant when:
2 Side drainage type was NOT answered with **NA**.

[Photo_Side_drainage_type]
Photo_Side drainage type

Image:

[No_of_PipeCulvert]
3 Number of Pipe culvert

• Relevant when:
3 Number of Pipe culvert was NOT answered with " **AND** **3 Number of Pipe culvert** was NOT answered with 0.

[Type_of_Pipe_culvert]
4 Type of Pipe culvert

Choose only one option:

| | |
|-----------------------|----------|
| <input type="radio"/> | Concrete |
| <input type="radio"/> | Steel |
| <input type="radio"/> | PVC |
| <input type="radio"/> | HDPE |

• Relevant when:
4 Type of Pipe culvert was NOT answered with **Answer "NA" not found**.

[Photo_Type_of_Pipe_culvert]
Photo_Type of Pipe culvert

Image:

• Relevant when:
[3 Number of Pipe culvert] was NOT answered with " AND [3 Number of Pipe culvert] was NOT answered with 0.

[Blockage_of_Pipe_culvert]
5 Blockage of Pipe culvert ?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
[5 Blockage of Pipe culvert ?] was answered with Yes.

[Photo_Blockage_of_Pipe_culvert]
Photo_Blockage of Pipe culvert ?

Image:

• Relevant when:
[3 Number of Pipe culvert] was NOT answered with " AND [3 Number of Pipe culvert] was NOT answered with 0.

[Blockage_of_Inlet_structure]
6 Blockage of Inlet structure ?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
[6 Blockage of Inlet structure ?] was answered with Yes.

[Photo_Blockage_of_Inlet_structure]
Photo_Blockage of Inlet structure ?

Image:

• Relevant when:
[3 Number of Pipe culvert] was NOT answered with " AND [3 Number of Pipe culvert] was NOT answered with 0.

[Blockage_of_Outlet_structure]
7 Blockage of Outlet structure ?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
[7 Blockage of Outlet structure ?] was answered with Yes.

[Photo_Blockage_of_Outlet_structure]
Photo_Blockage of Outlet structure ?

Image:

• Relevant when:
[3 Number of Pipe culvert] was NOT answered with " AND [3 Number of Pipe culvert] was NOT answered with 0.

[Pipe_culvert_cracking]
8 Pipe culvert cracking ?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
[8 Pipe culvert cracking ?] was answered with Yes.

[Photo_Pipe_culvert_cracking]
Photo_Pipe culvert cracking ?

Image:

• Relevant when:
[3 Number of Pipe culvert] was NOT answered with " AND [3 Number of Pipe culvert] was NOT answered with 0.

[Inlet_structure_cracking]
9 Inlet structure cracking ?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
[9 Inlet structure cracking ?] was answered with Yes.

[Photo_Inlet_structure_cracking]
Photo_Inlet structure cracking ?

Image:

• Relevant when:
[3 Number of Pipe culvert] was NOT answered with " AND [3 Number of Pipe culvert] was NOT answered with 0.

[Outlet_structure_cracking]
10 Outlet structure cracking ?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
[10 Outlet structure cracking ?] was answered with Yes.

[Photo_Outlet_structure_cracking]
Photo_Outlet structure cracking ?

Image:

[Remark_of_Pipe_culvert]
11 Remark of Pipe culvert

Road - Pipe culvert photo-1

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| <p>Rd-Pipe culvert</p> <p>[photo_type_pipe_culvert]</p> <p>Photo type</p> <p>Choose only one option:</p> <p>Side drainage Shape</p> <p>• Relevant when: [Photo type] was answered with [Answer "other" not found].</p> <p>[other_ph]</p> <p>Specify other</p> <p>[Photo]</p> <p>Take photo</p> <p>Image:</p> | | | | | |

IV.6 Technical-4.2 (Drainage - box culvert)

| |
|--|
| <p>[No_of_BoxCulvert]</p> <p>1 Number of Box culvert</p> <p>• Relevant when: [1 Number of Box culvert] was NOT answered with " AND [1 Number of Box culvert] was NOT answered with 0.</p> <p>[Type_of_Box_culvert]</p> <p>2 Type of Box culvert</p> <p>Choose only one option:</p> <p><input type="radio"/> Concrete</p> <p><input type="radio"/> Masonry</p> <p><input type="radio"/> NA</p> <p>• Relevant when: [2 Type of Box culvert] was NOT answered with [NA].</p> <p>[Photo_Type_of_Box_culvert]</p> <p>Photo_Type of Box culvert</p> <p>Image:</p> |
|--|

| |
|--|
| <p>• Relevant when: [1 Number of Box culvert] was NOT answered with " AND [1 Number of Box culvert] was NOT answered with 0.</p> <p>[Blockage_of_Box_culvert]</p> <p>5 Blockage of Box culvert ?</p> <p>Choose only one option:</p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> NA</p> <p>• Relevant when: [5 Blockage of Box culvert ?] was answered with [Yes].</p> <p>[Photo_Blockage_of_Box_culvert]</p> <p>Photo_Blockage of Box culvert ?</p> <p>Image:</p> <p>• Relevant when: [1 Number of Box culvert] was NOT answered with " AND [1 Number of Box culvert] was NOT answered with 0.</p> <p>[Blockage_of_Inlet_structure_Box]</p> <p>6 Blockage of Inlet structure ?</p> <p>Choose only one option:</p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> NA</p> <p>• Relevant when: [6 Blockage of Inlet structure ?] was answered with [Yes].</p> <p>[Photo_Blockage_of_Inlet_structure_Box]</p> <p>Photo_Blockage of Inlet structure ?</p> <p>Image:</p> <p>• Relevant when: [1 Number of Box culvert] was NOT answered with " AND [1 Number of Box culvert] was NOT answered with 0.</p> <p>[Blockage_of_Outlet_structure_Box]</p> <p>7 Blockage of Outlet structure ?</p> <p>Choose only one option:</p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> NA</p> <p>• Relevant when: [7 Blockage of Outlet structure ?] was answered with [Yes].</p> <p>[Photo_Blockage_of_Outlet_structure_Box]</p> <p>Photo_Blockage of Outlet structure ?</p> <p>Image:</p> |
|--|

• Relevant when:
 [1 Number of Box culvert] was NOT answered with " AND [1 Number of Box culvert] was NOT answered with 0.

[Box_culvert_cracking_Box]
8 Box culvert cracking ?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 [8 Box culvert cracking ?] was answered with [Yes].

[Photo_Box_culvert_cracking_Box]
Photo_Box culvert cracking ?

Image:

• Relevant when:
 [1 Number of Box culvert] was NOT answered with " AND [1 Number of Box culvert] was NOT answered with 0.

[Inlet_structure_cracking_Box]
9 Inlet structure cracking ?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 [9 Inlet structure cracking ?] was answered with [Yes].

[Photo_Inlet_structure_cracking_Box]
Photo_Inlet structure cracking ?

Image:

• Relevant when:
 [1 Number of Box culvert] was NOT answered with " AND [1 Number of Box culvert] was NOT answered with 0.

[Outlet_structure_cracking_Box]
10 Outlet structure cracking ?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 [10 Outlet structure cracking ?] was answered with [Yes].

[Photo_Outlet_structure_cracking_Box]
Photo_Outlet structure cracking ?

Image:

[Remark_of_Box_culvert]
11 Remark of Box culvert

Road - Pipe culvert photo-2

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|-----------|-----------|-----------|-----------|-----------|
| Rd-Box culvert | | | | | |
| [photo_type_Box_culvert] Photo type | | | | | |
| Choose only one option: Side drainage type | | | | | |
| Type of Box culvert | | | | | |
| • Relevant when: [Photo type] was answered with [Answer "other" not found;]. | | | | | |
| [other_ph] Specify other | | | | | |
| [Photo] Take photo | | | | | |
| Image: | | | | | |

IV.7 Technical-5 (Bridge)

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Bridge photo | | | | | |
| [description] Description | | | | | |
| [Photo] Take photo | | | | | |
| Image: | | | | | |

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|-----------|-----------|-----------|-----------|-----------|
| Bridge data | | | | | |
| [No_of_bridge] 1 Number of bridge | | | | | |
| [Total_length_m] 2 Total length (m) | | | | | |

[Bridge_condition]
3 Bridge condition
Choose only one option:

| | |
|-----------------------|----------------|
| <input type="radio"/> | Good |
| <input type="radio"/> | Fair |
| <input type="radio"/> | Need to repair |
| <input type="radio"/> | NA |

[Remark_of_Bridge]
4 Remark of Bridge

IV.8 Technical-6 (Potholes damage)

Potholes damage photo

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| Rd-Damage | | | | | |
| [description] Description | | | | | |
| [Photo] Take photo Image: | | | | | |

IV.8 Data - Potholes damage

[pothole_damage_TimePerYear]
1 Visual survey and estimate potholes damage (Time per year)

[Type_of_potholes_repair]
2 Type of potholes repair
Choose only one option:

| | |
|-----------------------|-------------------------------|
| <input type="radio"/> | By maintenance company |
| <input type="radio"/> | By road maintenance committee |
| <input type="radio"/> | Other |
| <input type="radio"/> | NA |

- Relevant when:
 2 Type of potholes repair was answered with Other.

[other_repair_type]
2.1 Other, specify

[Method_machine_and_tool_for_repair_consistent_with_the_repair]
3 Method, machine and tool for repair consistent with the repair
Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[All_suitable_material_used_for_filling_as_specified]
4 All suitable material used for filling as specified
Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Earth_soil_and_pavements_material_well_compacted]
5 Earth, soil and pavements material well compacted
Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Remark_of_road_maintenance]
4 Remark of road maintenance

IV.9 Single post Traffic sign

Single post Traffic sign photo

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| photo | | | | | |
| [description] Description | | | | | |
| [Photo] Take photo Image: | | | | | |

Data - Single post Traffic sign

[Single_post_traffic_sign_Retroreflectivity_good]
1 Single post traffic sign Retroreflectivity good
Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:
[Single post traffic sign Retroreflectivity good] was NOT answered with [NA].

[Traffic_sign_need_maintenance]
2 Traffic sign need maintenance

Choose only one option:

- | | |
|-----------------------|--------------|
| <input type="radio"/> | Remove sign |
| <input type="radio"/> | Replace sign |
| <input type="radio"/> | NA |

- Relevant when:
[Single post traffic sign Retroreflectivity good] was NOT answered with [NA].

[Traffic_sign_post_need_to_maintenance]
3 Traffic sign post need to maintenance

Choose only one option:

- | | |
|-----------------------|--------------|
| <input type="radio"/> | Replace post |
| <input type="radio"/> | Level post |
| <input type="radio"/> | NA |

[Remark]
4 Remark

[Traffic_sign_need_maintenance]

6 Traffic sign need maintenance

Choose only one option:

- | | |
|-----------------------|--------------|
| <input type="radio"/> | Remove sign |
| <input type="radio"/> | Replace sign |
| <input type="radio"/> | NA |

[Traffic_sign_post_need_to_maintenance]

7 Traffic sign post need to maintenance

Choose only one option:

- | | |
|-----------------------|--------------|
| <input type="radio"/> | Replace post |
| <input type="radio"/> | Level post |
| <input type="radio"/> | NA |

[Remark]

8 Remark

[End_road]

This is the end of
"Road assessment"

IV.10 Double post Traffic sign

Double post Traffic sign photo

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|-----------|-----------|-----------|-----------|-----------|
| Traffic sign <div style="border: 1px solid #ccc; padding: 5px;"> [description] Description </div> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> [Photo] Take photo Image: </div> | | | | | |

Data - Double post Traffic sign

[Double_post_traffic_sign_Retroreflectivity_good]
5 Double post traffic sign Retroreflectivity good

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:
[Select sub-project] was answered with [3. Water supply].

V. Water Supply

V.1 Construction

[StartDate_Ws]

1 Start date of construction

Date: __ / __ / __ (DD/MM/YYYY)

• Relevant when:

[1 Start date of construction] is greater than 0.

[CompleteDate]

2 Completion date of construction

Date: __ / __ / __ (DD/MM/YYYY)

[Cost]

3 Cost of construction (kip)

[Contractor_Ws]

4 Type of Contractors

Choose only one option:

- | | |
|-----------------------|---------------------------------|
| <input type="radio"/> | Construction company |
| <input type="radio"/> | Construction company + Villager |
| <input type="radio"/> | Villager |
| <input type="radio"/> | OMC |
| <input type="radio"/> | RMG |
| <input type="radio"/> | Other (specify) |

- Relevant when:
[4 Type of Contractors] was answered with [Other (specify)].

[Other_Contractor]
4.1 Other, specify

[Detail_Address]
4.2 Detail/Address of contractor

[Scope_of_work_of_RehabConstruction]
5 Scope of work of Rehab/Construction

Choose only one option:

| | |
|-----------------------|------------------|
| <input type="radio"/> | New Construction |
| <input type="radio"/> | Rehabilitation |

[Scope_of_work_in_detail]
6 Scope of work in detail

V.7 Maintenance

[Is_there_a_road_maintenance_committee_Ws]
1 Is there a maintenance committee

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:
[1 Is there a maintenance committee] was answered with [Yes].

[If_yes_date_of_established]
2_ If yes, date of established

Date: ___ / ___ / ___ (DD/MM/YYYY)

- Relevant when:
[1 Is there a maintenance committee] was answered with [Yes].

[How_many_members_Ws]
3 How many members

- Relevant when:
[3 How many members] was NOT answered with " AND [3 How many members] was NOT answered with 0.

[No_of_head_of_committee_role]
4_ No. of head of committee role

- Relevant when:
[3 How many members] was NOT answered with " AND [3 How many members] was NOT answered with 0.

[No_of_treasurer_role]
5_ No. of treasurer role

- Relevant when:
[3 How many members] was NOT answered with " AND [3 How many members] was NOT answered with 0.

[No_of_care_taker_role]
6_ No. of care taker role

- Relevant when:
[3 How many members] was NOT answered with " AND [3 How many members] was NOT answered with 0.

[No_of_other_roles_Ws]
7_ Other roles

- Relevant when:
[7_ Other roles] was NOT answered with 0 AND [7_ Other roles] was NOT answered with ".

[Number_of_other]
8_ Number of other role

- Relevant when:
[3 How many members] was NOT answered with " AND [3 How many members] was NOT answered with 0.

[Number_of_female_committee]
9_ Number of female committee

- Relevant when:
[1 Is there a maintenance committee] was answered with [Yes].

[Did_committee_members_receive_any_training]
10 Did committee members receive any training

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Did_villagers_receive_any_training_on_maintenance]
11 Did villagers receive any training on maintenance

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[How_many_times_have_maintenance_been_carried_out_since_completion_Ws]
12 How many times have maintenance been carried out since completion

• Relevant when:

- [12 How many times have maintenance been carried out since completion] was NOT answered with " AND [12 How many times have maintenance been carried out since completion] was NOT answered with 0.

[Are_there_any_difficulties_in_mobilization_for_maintenance]
13 Are there any difficulties in mobilization for maintenance

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
12 How many times have maintenance been carried out since completion was NOT answered with " AND 12
 How many times have maintenance been carried out since completion was NOT answered with 0.

[Remark_of_difficulties_in_mobilization_for_maintenance]
14 Remark of difficulties in mobilization for maintenance

[Is_there_fees_for_maintenance_Ws]
15 Is there fees for maintenance

Choose only one option:
 Yes
 No
 NA

• Relevant when:
15 Is there fees for maintenance was answered with Yes.

[if_yes_price]
16 if yes, price (kip)

• Relevant when:
15 Is there fees for maintenance was answered with Yes.

[comment_of_fee]
16.1 remark of fee

[and_other_payment_system_for_OM_Ws]
17 and other payment system for O&M? (kip)

• Relevant when:
17 and other payment system for O&M? (kip) was NOT answered with 0 AND 17_ and other payment system for O&M? (kip) was NOT answered with ".
 [comment_of_O_M]
17.1 remark of O&M payment

V.8 Safeguards

[Are_the_works_in_a_protected_area_Ws]
1 Are the works in a protected area?

Choose only one option:
 Yes
 No
 NA

• Relevant when:
1 Are the works in a protected area? was answered with Yes.

[If_yes_what_actions_were_taken_to_avoid_impacts]
1.1 If yes, what actions were taken to avoid impacts

[Did_the_works_affect_any_village_lands_or_personal_property_Ws]
2 Did the works affect any village lands or personal property

Choose only one option:
 Yes
 No
 NA

• Relevant when:
2 Did the works affect any village lands or personal property was answered with Yes.

[If_yes_what_actions_were_taken_to_avoid_impacts]
2.1 If yes, what actions were taken to avoid impacts

[Remark]
3 Remark

V.9 Disaster Risk

[Does_the_area_suffer_from_any_natural_disasters_Ws]
1 Does the area suffer from any natural disasters?

Choose only one option:
 Yes
 No
 NA

• Relevant when:
1 Does the area suffer from any natural disasters? was answered with Yes.

[If_yes_were_these_potential_impacts_considered_in_the_design]
1.1 If yes, were these potential impacts considered in the design

Choose only one option:
 Yes
 No
 NA

[Remark]
2 Remark

V.10 PRF (Training)

[How_many_trainings_were_provided_by_PRF_Ws]
1 How many trainings were provided by PRF

• Relevant when:
 1 How many trainings were provided by PRF was NOT answered with 0 AND 1 How many trainings were provided by PRF was NOT answered with ".

[How_would_you_rate_these_trainings]
2 How would you rate these trainings

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Remark]

3 Remark

[Were_trained_villagers_able_to_carry_out_the_activities_they_were_trained_to_do_Ws]
4 Were trained villagers able to carry out the activities they were trained to do

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

4 Were trained villagers able to carry out the activities they were trained to do was answered with No.

[if_not_why]

4.1 If not, why?

[Were_there_any_follow_up_trainings_provided_Ws]

5 Were there any follow-up trainings provided

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

5 Were there any follow-up trainings provided was answered with Yes.

[If_yes_how_many_Time_Year]

5.1 If yes, how many (Time/Year)

[Remark_]

6 Remark

V.2_ The Water supply system is comprised:

Water source, weir intake, spring

[Type_of_water_source_Ws]
1_Type of water source

Choose one or more options:

| | |
|--------------------------|--------|
| <input type="checkbox"/> | stream |
| <input type="checkbox"/> | spring |
| <input type="checkbox"/> | other |

• Relevant when:

1 Type of water source was answered with other.

[Other_water_source]

1.1 Other, specify

• Relevant when:

1 Type of water source was NOT answered with Answer "NA" not found;.

[Photo_Other_water_source]

Photo_Other, specify

Image:

[Weir_intake]

2_Weir intake

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

2 Weir intake was answered with Yes.

[Photo_Weir_intake]

Photo_Weir intake

Image:

[Spring_protection]

3_Spring protection

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

3 Spring protection was answered with Yes.

[Photo_Spring_protection]

Photo_Spring protection

Image:

Settle tank

[Settle_tank]
4_Settle tank

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

4_Settle tank was answered with Yes.

[Volume_m3_of_Settle_tank]
4.1_Volume (m3)

• Relevant when:

4_Settle tank was answered with Yes.

[Dimension_of_Settle_tank]

4.2_Dimensionx.....x.....m

• Relevant when:

4_Settle tank was answered with Yes.

[Photo]

Take photo

Image:

Break-pressure tank

[Break_pressure_tank]
5_Break-pressure tank

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

5_Break-pressure tank was answered with Yes.

[Volume_m3_of_Break_pressure_tank]
5.1_Volume (m3)

• Relevant when:

5_Break-pressure tank was answered with Yes.

[Dimension_of_pressure_tank]

5.2_Dimensionx.....x.....m

• Relevant when:

5_Break-pressure tank was answered with Yes.

[Photo]

Take photo

Image:

Transmission pipe

[Transmission_pipe]

6_Transmission pipe

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

6_Transmission pipe was answered with Yes.

[Diameter_mm_of_Transmission_pipe]

6.1_Diameter (mm)

• Relevant when:

6_Transmission pipe was answered with Yes.

[Material_and_class_of_the_pipe]

6.2_Material and class of the pipe

• Relevant when:

6_Transmission pipe was answered with Yes.

[Photo]

Take photo

Image:

Water storage tank1

[Water_storage_tank1]
7_Water storage tank1

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

7_Water storage tank1 was answered with Yes.

[Volume_m3_of_Water_storage_tank1]

7.1_Volume (m3)

• Relevant when:

7_Water storage tank1 was answered with Yes.

[Dimension_Water_storage_tank1]

7.2_Dimensionx.....x.....m

• Relevant when:

7_Water storage tank1 was answered with Yes.

[Photo]

Take photo

Image:

Water storage tank2

[Water_storage_tank2]
8_Water storage tank2

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
8_Water storage tank2 was answered with Yes.

[Volume_m3_of_Water_storage_tank2]
8.1_Volume (m3)

• Relevant when:
8_Water storage tank2 was answered with Yes.

[Dimension_Water_storage_tank2]
8.2_Dimensionx.....x.....m

• Relevant when:
8_Water storage tank2 was answered with Yes.

[Photo]
Take photo

Image:

Main distribution pipe

[Main_distribution_pipe]
9_Main distribution pipe

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
9_Main distribution pipe was answered with Yes.

[Diameter_mm_of_Main_distribution_pipe]
9.1_Diameter (mm)

• Relevant when:
9_Main distribution pipe was answered with Yes.

[Material_and_class_of_Main_distribution_pipe]
9.2_Material and class of the pipe

• Relevant when:
9_Main distribution pipe was answered with Yes.

[Photo]
Take photo

Image:

Distribution pipe

[Distribution_pipe]
10_Distribution pipe

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
10_Distribution pipe was answered with Yes.

[Diameter_mm_of_Distribution_pipe]
10.1_Diameter (mm)

• Relevant when:
10_Distribution pipe was answered with Yes.

[Material_and_class_of_Distribution_pipe]
10.2_Material and class of the pipe

• Relevant when:
10_Distribution pipe was answered with Yes.

[Photo]
Take photo

Image:

Tap stand

[Tap_stand]
11_Tap stand

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
11_Tap stand was answered with Yes.

[Number_of_tap_stand_in_the_village_of_Tap_stand]
11.1_Number of tap stand in the village

- Relevant when:
11_Tap stand was answered with Yes.

[Photo]
Take photo
Image:

V.3_ Current situation of the water system

- [Is_the_system_working]
1_Is the system working?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:
1_Is the system working? was answered with No.

[If_no_why]
1.1_ If no, why?

V.4_ Use of water

Photo related to Use of water

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Use of water | | | | | |
| [Description] Description | | | | | |

[Photo]
Take photo
Image:

V.4_ Data - Use of water

- [Drinking]
1_Drinking

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:
1_Drinking was answered with No.

[If_no_why_not_Drinking]
1.1_ If no, why?

[Cooking]
2_Cooking

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:
2_Cooking was answered with No.

[If_no_why_not_Cooking]
2.1_ If no, why?

[Bathing]
3_Bathing

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:
3_Bathing was answered with No.

[If_no_why_not_Bathing]
3.1_ If no, why?

[Washing]
4_Washing

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:
4_Washing was answered with No.

[If_no_why_not_Washing]
4.1_ If no, why?

[other]
5_Other

V.5_ HHs Not using Water

- [Percent_of_HH_not_using]
1_Estimated % of HH not using community water system (%)

• Relevant when:

[1_Estimated % of HH not using community water system (%)] was NOT answered with " AND [1_]

Estimated % of HH not using community water system (%) was NOT answered with 0.

[If_not_using_why]

1.1_ If not using, why?

Choose one or more options:

| | |
|--------------------------|-------------------|
| <input type="checkbox"/> | Tap stand too far |
| <input type="checkbox"/> | System broken |
| <input type="checkbox"/> | Can not pay |
| <input type="checkbox"/> | Other |

• Relevant when:

[1.1_ If not using, why?] was answered with [Other].

[Other]

1.2_ Other, specify

V.6_ Technical compliance

1)_ Intake

[Workmanship]

1_1_ Workmanship satisfactory?

(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]

Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]

1_2_ Cleanliness work satisfactory?

(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]

Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]

1_3_ Concrete work satisfactory?

(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]

Photo_Concrete work satisfactory?

Image:

[Water_sources_protection_work]

1_4_ Water sources protection work satisfactory?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Water_sources_protection_work]

Photo_Water sources protection work satisfactory?

Image:

[is_the_water_source_supplied_round_year]

1_5_ is the water source supplied round-year?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_is_the_water_source_supplied_round_year]

Photo_is the water source supplied round-year?

Image:

[Is_the_quality_of_water_source]

1_6_ Is the quality of water source satisfactory?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_quality_of_water_source]

Photo_Is the quality of water source satisfactory?

Image:

[Are_all_vales_installed_and_operational]

1_7_ Are all vales installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Are_all_vales_installed_and_operational]
Photo_Are all vales installed and operational?

Image:

[Is_the_clean_out_system_installed_and_operational]
1_8_Is the clean out system installed and operational?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_clean_out_system_installed_and_operational]
Photo_Is the clean out system installed and operational?

Image:

[Is_there_forest_around_the]
1_9_Is there forest around the intake?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_forest_around_the]
Photo_Is there forest around the intake?

Image:

1_) Photo related to intake

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| intake [Description] Description | | | | | |

[Photo]
Take photo

Image:

2)_ Settle tank

[Workmanship]

2_1_Workmanship satisfactory?

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]

Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]

2_2_Cleanliness work satisfactory?

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]

Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]

2_3_Concrete work satisfactory?

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]

Photo_Concrete work satisfactory?

Image:

[Is_the_tank_water_tight_no_seepage_leakage]

2_4_Is the tank water tight (no seepage leakage)?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_tank_water_tight_no_seepage_leakage]

Photo_Is the tank water tight (no seepage leakage)?

Image:

[Are_all_vales_installed_and_operational]
2_5_Are all vales installed and operational?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Are_all_vales_installed_and_operational]

Photo_Are all vales installed and operational?

Image:

[Is_the_clean_out_system_installed_and_operational]
2_6_Is the clean out system installed and operational?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_clean_out_system_installed_and_operational]

Photo_Is the clean out system installed and operational?

Image:

[Is_there_fence_around_the_tank]
2_7_Is there fence around the tank?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_fence_around_the_tank]

Photo_Is there fence around the tank?

Image:

2_)_ Photo related to settle tank

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| settle tank | | | | | |
| [Description] Description | | | | | |
| [Photo] Take photo | | | | | |

3)_ Break-pressure tank

[Workmanship]
3_1_Workmanship satisfactory?

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]

Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]
3_2_Cleanliness work satisfactory?

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]

Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]
3_3_Concrete work satisfactory?

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]

Photo_Concrete work satisfactory?

Image:

[Is_the_tank_water_tight_no_seepage_leakage]
3_4_Is the tank water tight (no seepage leakage)?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_tank_water_tight_no_seepage_leakage]

Photo_Is the tank water tight (no seepage leakage)?

Image:

[Are_all_vales_installed_and_operational]
3_5_Are all vales installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Are_all_vales_installed_and_operational]
Photo_Are all vales installed and operational?

Image:

[Is_the_clean_out_system_installed_and_operational]
3_6_Is the clean out system installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_clean_out_system_installed_and_operational]
Photo_Is the clean out system installed and operational?

Image:

[Is_there_fence_around_the_tank]
3_7_Is there fence around the tank?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_fence_around_the_tank]
Photo_Is there fence around the tank?

Image:

3_)_ Photo related to Break-pressure tank

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| Break-pressure tank | | | | | |
| [Description] Description | | | | | |
| [Photo] Take photo Image: | | | | | |

4)_ Transmission pipe (from intake to water storage tank)

[Pipe_installing_and_laying_work]
4_1_Pipe installing and laying work satisfactory?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Pipe_installing_and_laying_work]
Photo_Pipe installing and laying work satisfactory?

Image:

[Is_the_air_valve_installed_and_operational]
4_2_Is the air valve installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_air_valve_installed_and_operational]
Photo_Is the air valve installed and operational?

Image:

[Is_the_clean_out_system_installed_and_operational]
4_3_Is the clean out system installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_clean_out_system_installed_and_operational]
Photo_Is the clean out system installed and operational?

Image:

[Is_there_seepage_or_leakage_along_the_pipe]
4_4_Is there seepage or leakage along the pipe?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_seepage_or_leakage_along_the_pipe]
Photo_Is there seepage or leakage along the pipe?

Image:

[Is_the_pipe_clogged_or_blocked]
4_5_Is the pipe clogged or blocked?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_pipe_clogged_or_blocked]
Photo_Is the pipe clogged or blocked?

Image:

4_)_ Photo related to Transmission pipe

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|-----------|-----------|-----------|-----------|-----------|
| Transmission pipe [Description] Description | | | | | |
| [Photo] Take photo Image: | | | | | |

5)__ River crossing

[Workmanship]
5_1_ Workmanship satisfactory?
(visual inspection)

Choose only one option:

| |
|---------------------------------|
| <input type="radio"/> excellent |
| <input type="radio"/> good |
| <input type="radio"/> fair |
| <input type="radio"/> poor |
| <input type="radio"/> very bad |
| <input type="radio"/> NA |

[Photo_Workmanship]
Photo_Workmanship satisfactory?
Image:

[Concrete_work]
2_3_ Concrete work satisfactory?
(visual inspection)

Choose only one option:

| |
|---------------------------------|
| <input type="radio"/> excellent |
| <input type="radio"/> good |
| <input type="radio"/> fair |
| <input type="radio"/> poor |
| <input type="radio"/> very bad |
| <input type="radio"/> NA |

[Photo_Concrete_work]
Photo_Concrete work satisfactory?
Image:

[Is_the_componet_stable]
5_3_ Is the componet stable?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_componet_stable]
Photo_Is the componet stable?

Image:

[Is_steel_cable_and_accessories_in_good_condition]
5_4_ Is steel cable and accessories in good condition?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_steel_cable_and_accessories_in_good_condition]
Photo_Is steel cable and accessories in good condition?

Image:

5_)_ Photo related to River crossing

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| River crossing [Description] Description | | | | | |
| [Photo] Take photo Image: | | | | | |

6)_ Water storage tank

[Workmanship]
6_1_ Workmanship satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]
Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]
6_2_Cleanliness work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]
Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]
6_3_Concrete work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]
Photo_Concrete work satisfactory?

Image:

[Is_the_componet_stable]
6_4_Is the componet stable?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_componet_stable]
Photo_Is the componet stable?

Image:

[Is_the_tank_water_tight_no_seepage_leakage]
6_5_Is the tank water tight (no seepage leakage)?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_tank_water_tight_no_seepage_leakage]
Photo_Is the tank water tight (no seepage leakage)?

Image:

[Are_all_vales_installed_and_operational]
6_6_Are all vales installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Are_all_vales_installed_and_operational]
Photo_Are all vales installed and operational?

Image:

[Is_the_clean_out_system_installed_and_operational]
6_7_Is the clean out system installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_clean_out_system_installed_and_operational]
Photo_Is the clean out system installed and operational?

Image:

[Is_there_fence_around_the_tank]
6_8_Is there fence around the tank?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_fence_around_the_tank]
Photo_Is there fence around the tank?

Image:

6_)_ Photo related to Water storage tank

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|-----------|-----------|-----------|-----------|-----------|
| <p>Water storage tank</p> <p>[Description] Description</p> <p>[Photo] Take photo</p> <p>Image:</p> | | | | | |

7) Distribution pipe (from water storage tank to each tap stand)

[Pipe_installing_and_laying_work]

7_1_Pipe installing and laying work satisfactory?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Pipe_installing_and_laying_work]

Photo_Pipe installing and laying work satisfactory?

Image:

[Is_there_seepage_or_leakage_along_the_pipe]

7_2_Is there seepage or leakage along the pipe?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_seepage_or_leakage_along_the_pipe]

Photo_Is there seepage or leakage along the pipe?

Image:

[Is_the_pipe_clogged_or_blocked]

7_3_Is the pipe clogged or blocked?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_pipe_clogged_or_blocked]

Photo_Is the pipe clogged or blocked?

Image:

7_) Photo related to Distribution pipe

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| Distribution pipe | | | | | |
| [Description] Description | | | | | |
| [Photo] Take photo Image: | | | | | |

8) Tap stands

[Workmanship]

8_1_Workmanship satisfactory?

(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]

Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]

8_2_Cleanliness work satisfactory?

(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]

Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]

8_3_Concrete work satisfactory?

(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]

Photo_Concrete work satisfactory?

Image:

[Are_all_faucet_taps_installed_and_operational]

8_4_Are all faucet taps installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Are_all_faucet_taps_installed_and_operational]
Photo_Are all faucet taps installed and operational?

Image:

[Is_flow_and_pressure_of_each_tap_stand]
8_5_Is flow and pressure of each tap stand satisfactory?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_flow_and_pressure_of_each_tap_stand]
Photo_Is flow and pressure of each tap stand satisfactory?

Image:

[Are_all_vales_installed_and_operational]
8_6_Are all vales installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Are_all_vales_installed_and_operational]
Photo_Are all vales installed and operational?

Image:

[is_water_meter_installed_and_operational]
8_7_is water meter installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_is_water_meter_installed_and_operational]
Photo_is water meter installed and operational?

Image:

[Is_drainage_and_soak_pit_installed_and_operational]
8_8_Is drainage and soak pit installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_drainage_and_soak_pit_installed_and_operational]
Photo_Is drainage and soak pit installed and operational?

Image:

[Is_there_fence_around_the_tank]
8_9_Is there fence around the tank?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_fence_around_the_tank]
Photo_Is there fence around the tank?

Image:

8_) Photo related to Tap stands

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| Tap stands [Description] Description | | | | | |

[Photo]
Take photo

Image:

[End_road]
**This is the end of
"Water Supply assessment"**

- Relevant when:
Select sub-project was answered with 4. Irrigation.

VI. Irrigation

| VI.1 Construction |
|---|
| [StartDate_Ir] 1 Start date of construction Date: __ / __ / ____ (DD/MM/YYYY) |
| • Relevant when: 1 Start date of construction is greater than 0. |
| [CompleteDate] 2 Completion date of construction Date: __ / __ / ____ (DD/MM/YYYY) |
| [Cost] 3 Cost of construction (kip) |

[Contractor_Ir]
4 Type of Contractors
Choose only one option:
 Construction company
 Construction company + Villager
 Villager
 OMC
 RMG
 Other (specify)

• Relevant when:
4 Type of Contractors was answered with **Other (specify)**.

[Other_Contractor]
4.1 Other, specify

[Detail_Address]
4.2 Detail/Address of contractor

[Scope_of_work_of_RehabConstruction]
5 Scope of work of Rehab/Construction

Choose only one option:

 New Construction
 Rehabilitation

[Scope_of_work_in_detail]
6 Scope of work in detail

VI.6 Maintenance

[Is_there_a_road_maintenance_committee_Ir]
1 Is there a maintenance committee

Choose only one option:

 Yes
 No
 NA

• Relevant when:
1 Is there a maintenance committee was answered with **Yes**.

[If_yes_date_of_established]
2_ If yes, date of established

Date: ___ / ___ / ___ (DD/MM/YYYY)

• Relevant when:
1 Is there a maintenance committee was answered with **Yes**.

[How_many_members_Ir]
3 How many members

• Relevant when:
3 How many members was NOT answered with 0 **AND** **3 How many members** was NOT answered with ".

[No_of_head_of_committee_role]
4_ No. of head of committee role

• Relevant when:
3 How many members was NOT answered with 0 **AND** **3 How many members** was NOT answered with ".

[No_of_treasurer_role]
5_ No. of treasurer role

• Relevant when:
3 How many members was NOT answered with 0 **AND** **3 How many members** was NOT answered with ".

[No_of_care_taker_role]
6_ No. of care taker role

• Relevant when:
3 How many members was NOT answered with 0 **AND** **3 How many members** was NOT answered with ".

[No_of_other_role_Ir]
7_ Other roles

• Relevant when:
7_ Other roles was NOT answered with 0 **AND** **7_ Other roles** was NOT answered with ".

[Number_of_other]
8_ Number of other role

• Relevant when:
3 How many members was NOT answered with 0 **AND** **3 How many members** was NOT answered with ".

[Number_of_female_committee]
9_ Number of female committee

• Relevant when:
1 Is there a maintenance committee was answered with **Yes**.

[Did_committee_members_receive_any_training]
10 Did committee members receive any training

Choose only one option:

 Yes
 No
 NA

[Did_villagers_receive_any_training_on_maintenance]
11 Did villagers receive any training on maintenance

Choose only one option:

 Yes
 No
 NA

[How_many_times_have_maintenance_been_carried_out_since_completion_Ir]
12 How many times have maintenance been carried out since completion

• Relevant when:
 12 How many times have maintenance been carried out since completion was NOT answered with 0 AND
 12 How many times have maintenance been carried out since completion was NOT answered with ".

[Are_there_any_difficulties_in_mobilization_for_maintenance]
13 Are there any difficulties in mobilization for maintenance

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 12 How many times have maintenance been carried out since completion was NOT answered with 0 AND
 12 How many times have maintenance been carried out since completion was NOT answered with ".

[Remark_of_difficulties_in_mobilization_for_maintenance]
14 Remark of difficulties in mobilization for maintenance

[Is_there_fees_for_maintenance_Ir]
15 Is there fees for maintenance

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 15 Is there fees for maintenance was answered with Yes.
 [if_yes_price]
16 if yes, price (kip)

• Relevant when:
 15 Is there fees for maintenance was answered with Yes.
 [comment_of_fee]
16.1 remark of fee

[and_other_payment_system_for_OM_Ir]
17 and other payment system for O&M? (kip)

• Relevant when:
 17 and other payment system for O&M? (kip) was NOT answered with 0 AND
 17 and other payment system for O&M? (kip) was NOT answered with ".

[comment_of_O_M]
17.1 remark of O&M payment

VI.7 Safeguards

[Are_the_works_in_a_protected_area_Ir]
1 Are the works in a protected area?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 1 Are the works in a protected area? was answered with Yes.
 [If_yes_what_actions_were_taken_to_avoid_impacts]
1.1 If yes, what actions were taken to avoid impacts

[Did_the_works_affect_any_village_lands_or_personal_property_Ir]
2 Did the works affect any village lands or personal property

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 2 Did the works affect any village lands or personal property was answered with Yes.
 [If_yes_what_actions_were_taken_to_avoid_impacts_villagers]
2.1 If yes, what actions were taken to avoid impacts

[Remark]
3 Remark

VI.8 Disaster Risk

[Does_the_area_suffer_from_any_natural_disasters_Ir]
1 Does the area suffer from any natural disasters?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 1 Does the area suffer from any natural disasters? was answered with Yes.
 [If_yes_were_these_potential_impacts_considered_in_the_design]
1.1 If yes, were these potential impacts considered in the design

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Remark]
2 Remark

VI.9 PRF (Training)

[How_many_trainings_were_provided_by_PRF_Ir]
1 How many trainings were provided by PRF

• Relevant when:
 1 How many trainings were provided by PRF was NOT answered with 0 AND 1 How many trainings were provided by PRF was NOT answered with ".

[How_would_you_rate_these_trainings]
2 How would you rate these trainings

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Remark]
3 Remark

[Were_trained_villagers_able_to_carry_out_the_activities_they_were_trained_to_do_Ir]
4 Were trained villagers able to carry out the activities they were trained to do

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 4 Were trained villagers able to carry out the activities they were trained to do was answered with No.

[if_not_why]
4.1 If not, why?

[Were_there_any_follow_up_trainings_provided_Ir]
5 Were there any follow-up trainings provided

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 5 Were there any follow-up trainings provided was answered with Yes.

[If_yes_how_many_Time_Year]
5.1 If yes, how many (Time/Year)

[Remark_]
6 Remark

VI.2 Current situation

[Is_the_system_working_Ir]
1_Is the system working?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:
 1_Is the system working? was answered with No.

[If_no_why]
1.1 If no, why

Photo related to Current situation

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| <p>Current situation</p> <p>[Description] Description</p> <p>[Photo] Take photo Image:</p> | | | | | |

[Source_of_water]
VI.3 Source of water:

Choose one or more options:

| | |
|--------------------------|---------|
| <input type="checkbox"/> | Surface |
| <input type="checkbox"/> | Ground |

• Relevant when:

VI.3 Source of water: was answered with Surface.

VI.3.1 Surface

[Type_of_surface_water]
1_Type of surface water?

Choose one or more options:

| | |
|--------------------------|-----------|
| <input type="checkbox"/> | Reservoir |
| <input type="checkbox"/> | Lake |
| <input type="checkbox"/> | River |

• Relevant when:

1_Type of surface water? was NOT answered with Answer "NA" not found;.

[Photo_Type_of_surface_water]
Photo_Type of surface water?

Image:

[Irrigation_water_supply]
2_Irrigation water supply:

Choose only one option:

| | |
|-----------------------|--------------|
| <input type="radio"/> | Gravity |
| <input type="radio"/> | Pump |
| <input type="radio"/> | Pump/gravity |
| <input type="radio"/> | Other |

- Relevant when:
2_Irrigation water supply: was NOT answered with Answer "NA" not found..

[Photo_Irrigation_water_supply]
Photo_Irrigation water supply:

Image:

[Irrigation_Water_Conveyance_by_Gravity]
3_Irrigation Water Conveyance by Gravity?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

3_Irrigation Water Conveyance by Gravity? was answered with Yes.

[Photo_Irrigation_Water_Conveyance_by_Gravity]
Photo_Irrigation Water Conveyance by Gravity?

Image:

VI.3.1.1_Canals

[Is_there_main_canal_SF]
C.1_Is there main canal?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

C.1_Is there main canal? was answered with Yes.

Main Canals

Photo related to Main Canals

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Main Canals | | | | | |
| [Description] Description | | | | | |
| [Photo] Take photo | | | | | |

Image:

Data - Main Canals

[Length_of_canal_km]
1_Length of canal (km)

[Canal_type]
2_Canal type

Choose one or more options:

| | |
|--------------------------|-------------|
| <input type="checkbox"/> | Earth |
| <input type="checkbox"/> | Concrete |
| <input type="checkbox"/> | Stone/Brick |

[Pipe_mc]
3_Pipe:

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

3_Pipe: was answered with Yes.

[Type_of_pipe]
3.1_Type of pipe

Choose one or more options:

| | |
|--------------------------|--------------|
| <input type="checkbox"/> | Metal |
| <input type="checkbox"/> | PVC Upvc |
| <input type="checkbox"/> | Plactic pipe |

[Pump_pressurized_pipe_Mc]
4_Pump pressurized pipe

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

4_Pump pressurized pipe was answered with Yes.

[Type_of_pump_pressurized_pipe]
4.1_Type of pump pressurized pipe

Choose one or more options:

| | |
|--------------------------|--------------|
| <input type="checkbox"/> | Metal |
| <input type="checkbox"/> | PVC Upvc |
| <input type="checkbox"/> | Plactic pipe |

[Is_there_secondary_canal_SF]
C.2_Is there secondary canal?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

C.2_Is there secondary canal? was answered with Yes.

Secondary canal

Photo related to Secondary canal

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| Secondary canal | | | | | |
| [Description] Description | | | | | |
| [Photo] Take photo Image: | | | | | |

| Data - Secondary canal | | | | | |
|---|--|--|--|--|--|
| [Length_of_canal_km] 1_Length of canal (km) | | | | | |
| [Canal_type] 2_Canal type | | | | | |
| Choose one or more options: <input type="checkbox"/> Earth <input type="checkbox"/> Concrete <input type="checkbox"/> Stone/Brick | | | | | |
| [Pipe_se] 3_Pipe: | | | | | |
| Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | | | | | |
| • Relevant when: 3_Pipe: was answered with Yes. | | | | | |
| [Type_of_pipe] 3.1_Type of pipe | | | | | |
| Choose one or more options: <input type="checkbox"/> Metal <input type="checkbox"/> PVC Upvc <input type="checkbox"/> Plastic pipe | | | | | |
| [Pump_pressurized_pipe_Se] 4_Pump pressurized pipe | | | | | |
| Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | | | | | |

| | |
|---|--|
| • Relevant when: 4_Pump pressurized pipe was answered with Yes. | |
| [Type_of_pump_pressurized_pipe] 4.1_Type of pump pressurized pipe | |
| Choose one or more options: <input type="checkbox"/> Metal <input type="checkbox"/> PVC Upvc <input type="checkbox"/> Plastic pipe | |

| | |
|--|--|
| [Is_there_Tertiary_SF] C.3_Is there Tertiary? | |
| Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | |

| | |
|---|--|
| • Relevant when: C.3_Is there Tertiary? was answered with Yes. | |
|---|--|

| Tertiary | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|
| Photo related to Tertiary | | | | | |
| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
| Tertiary | | | | | |
| [Description] Description | | | | | |
| [Photo] Take photo Image: | | | | | |

| Data - Tertiary | | | | | |
|--|--|--|--|--|--|
| [Length_of_canal_km] 1_Length of canal (km) | | | | | |
| [Canal_type] 2_Canal type | | | | | |
| Choose one or more options: <input type="checkbox"/> Earth <input type="checkbox"/> Concrete <input type="checkbox"/> Stone/Brick | | | | | |

| [Pipe_te] 3_Pipe: Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | [Type_of_pipe] 3.1_Type of pipe Choose one or more options: <input type="checkbox"/> Metal <input type="checkbox"/> PVC Upvc <input type="checkbox"/> Plastic pipe | | | | | | |
|---|---|-----------|-----------|-----------|-----------|-----------|-----------|
| [Pump_pressurized_pipe_Te] 4_Pump pressurized pipe Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | [Type_of_pump_pressurized_pipe] 4.1_Type of pump pressurized pipe Choose one or more options: <input type="checkbox"/> Metal <input type="checkbox"/> PVC Upvc <input type="checkbox"/> Plastic pipe | | | | | | |
| [Is_there_Canal_structures_SF] C.4_Is there Canal structures? Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | • Relevant when: C.4_Is there Canal structures? was answered with Yes. Canal structures Photo related to Canal structures <table border="1"><thead><tr><th>Question</th><th>Element 1</th><th>Element 2</th><th>Element 3</th><th>Element 4</th><th>Element 5</th></tr></thead></table> | Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 | | |

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|---|---|---|--|--|
| Canal structures [Description] Description | | | | | |
| [Photo] Take photo Image: | | | | | |
| Data - Canal structures | | | | | |
| [Off_take] 1_Off-take Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | [Stilling_basin] 2_Stilling basin Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | [Check_structure] 3_Check structure Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | [Drop_structure] 4_Drop structure Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | [Turn_outs_SF] 5_Turn-out(s) Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | • Relevant when: 4_Turn-out(s) was answered with No. [If_turn_out_No_specify] 5.1_If turn-out No, specify? |

[Side_spill_weir]
6_Side spill weir

Choose only one option:

- | |
|---------------------------|
| <input type="radio"/> Yes |
| <input type="radio"/> No |
| <input type="radio"/> NA |

[Tail_structure]

7_Tail structure

Choose only one option:

- | |
|---------------------------|
| <input type="radio"/> Yes |
| <input type="radio"/> No |
| <input type="radio"/> NA |

• Relevant when:

VI.3_Source of water: was answered with Ground.

VI.3.2_Groundwater

[Irrigation_water_supply_surface]

1_Irrigation water supply:

Choose only one option:

- | |
|------------------------------------|
| <input type="radio"/> Gravity |
| <input type="radio"/> Pump |
| <input type="radio"/> Pump/gravity |
| <input type="radio"/> Other |

• Relevant when:

1_Irrigation water supply: was NOT answered with Answer "NA" not found;

[Photo_Irrigation_water_supply_surface]

Photo_Irrigation water supply:

Image:

[Irrigation_Water_Conveyance_by_Gravity_surface]

2_Irrigation Water Conveyance by Gravity?

Choose only one option:

- | |
|---------------------------|
| <input type="radio"/> Yes |
| <input type="radio"/> No |
| <input type="radio"/> NA |

• Relevant when:

2_Irrigation Water Conveyance by Gravity? was answered with Yes.

[Photo_Irrigation_Water_Conveyance_by_Gravity_surface]

Photo_Irrigation Water Conveyance by Gravity?

Image:

VI.3.2.1_Canals

[Is_there_main_canal]
Is there main canal?

Choose only one option:

- | |
|---------------------------|
| <input type="radio"/> Yes |
| <input type="radio"/> No |
| <input type="radio"/> NA |

• Relevant when:

Is there main canal? was answered with Yes.

Main Canals

Photo related to Main Canals

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|-----------|-----------|-----------|-----------|-----------|
| Main Canals [Description] Description | | | | | |

| Data - Main Canals |
|---|
| [Length_of_canal_km] 1_Length of canal (km) |

| Canal_type] 2_Canal type |
|--|
| Choose one or more options: <input type="checkbox"/> Earth <input type="checkbox"/> Concrete <input type="checkbox"/> Stone/Brick |

| Pipe_mc1] 3_Pipe: |
|--|
| Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA |

- Relevant when:
3_Pipe was answered with Yes.

[Type_of_pipe]
3.1_Type of pipe

Choose one or more options:

- | | |
|--------------------------|--------------|
| <input type="checkbox"/> | Metal |
| <input type="checkbox"/> | PVC Upvc |
| <input type="checkbox"/> | Plactic pipe |

[Pump_pressurized_pipe_mc1]
4_Pump pressurized pipe

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:
4_Pump pressurized pipe was answered with Yes.

[Type_of_pump_pressurized_pipe]
4.1_Type of pump pressurized pipe

Choose one or more options:

- | | |
|--------------------------|--------------|
| <input type="checkbox"/> | Metal |
| <input type="checkbox"/> | PVC Upvc |
| <input type="checkbox"/> | Plactic pipe |

[Is_there_secondary_canal]
Is there secondary canal?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

Is there secondary canal? was answered with Yes.

Secondary

Photo related to Secondary canal

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Secondary canal | | | | | |
| [Description] Description | | | | | |
| [Photo] Take photo | | | | | |

Image:

Data - Secondary

[Length_of_canal_km]
1_Length of canal (km)

[Canal_type]
2_Canal type

Choose one or more options:

- | | |
|--------------------------|-------------|
| <input type="checkbox"/> | Earth |
| <input type="checkbox"/> | Concrete |
| <input type="checkbox"/> | Stone/Brick |

[Pipe_mc2]
3_Pipe:

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

3_Pipe was answered with Yes.

[Type_of_pipe]
3.1_Type of pipe

Choose one or more options:

- | | |
|--------------------------|--------------|
| <input type="checkbox"/> | Metal |
| <input type="checkbox"/> | PVC Upvc |
| <input type="checkbox"/> | Plactic pipe |

[Pump_pressurized_pipe_mc2]
4_Pump pressurized pipe

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

4_Pump pressurized pipe was answered with Yes.

[Type_of_pump_pressurized_pipe]
4.1_Type of pump pressurized pipe

Choose one or more options:

- | | |
|--------------------------|--------------|
| <input type="checkbox"/> | Metal |
| <input type="checkbox"/> | PVC Upvc |
| <input type="checkbox"/> | Plactic pipe |

[Is_there_Tertiary]
Is there Tertiary?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

Is there Tertiary? was answered with Yes.

Tertiary

Photo related to Tertiary

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| <p>Tertiary</p> <p>[Description] Description</p> <p>[Photo] Take photo Image:</p> | | | | | |

Data - Tertiary

[Length_of_canal_km]
1_Length of canal (km)

[Canal_type]
2_Canal type
Choose one or more options:
 Earth
 Concrete
 Stone/Brick

[Pipe_mc3]
3_Pipe:
Choose only one option:
 Yes
 No
 NA

• Relevant when:
3_Pipe: was answered with **Yes**.

[Type_of_pipe]
3.1_Type of pipe

Choose one or more options:
 Metal
 PVC Upvc
 Plastic pipe

[Pump_pressurized_pipe_mc3]
4_Pump pressurized pipe

Choose only one option:
 Yes
 No
 NA

• Relevant when:

4_Pump pressurized pipe was answered with **Yes**.

[Type_of_pump_pressurized_pipe]
4.1_Type of pump pressurized pipe

Choose one or more options:

- Metal
- PVC Upvc
- Plastic pipe

[Is_there_Canal_structures]

Is there Canal structures?

Choose only one option:

- Yes
- No
- NA

• Relevant when:

Is there Canal structures? was answered with **Yes**.

Canal structures

Photo related to Canal structures

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| <p>Canal structures</p> <p>[Description] Description</p> <p>[Photo] Take photo Image:</p> | | | | | |

Data - Canal structures

[Stilling_basin]
1_Stilling basin

Choose only one option:
 Yes
 No
 NA

[Check_structure]
2_Check structure

Choose only one option:
 Yes
 No
 NA

| | |
|--|---|
| [Drop_structure] | 3_Drop structure |
| Choose only one option: | |
| <input type="radio"/> Yes | |
| <input type="radio"/> No | |
| <input type="radio"/> NA | |
| [Turn_outs] | 4_Turn-out(s) |
| Choose only one option: | |
| <input type="radio"/> Yes | |
| <input type="radio"/> No | |
| <input type="radio"/> NA | |
| <ul style="list-style-type: none"> • Relevant when: 4_Turn-out(s) was answered with No. | |
| [If_turn_out_No_specify] | 4.1_If turn-out No, specify? |
| [Side_spill_weir] | 5_Side spill weir |
| Choose only one option: | |
| <input type="radio"/> Yes | |
| <input type="radio"/> No | |
| <input type="radio"/> NA | |
| [Pressurized_pipe_structures_valves] | 6_Pressurized pipe structures, valves? |
| Choose only one option: | |
| <input type="radio"/> Yes | |
| <input type="radio"/> No | |
| <input type="radio"/> NA | |
| <ul style="list-style-type: none"> • Relevant when: 6_Pressurized pipe structures, valves? was answered with Yes. | |
| [If_yes_What_type_of_valve] | 6.1_If yes, What type of valve |
| <ul style="list-style-type: none"> • Relevant when: 6_Pressurized pipe structures, valves? was answered with Yes. | |
| VI.4_ Cropping calender and cropping pattern | |
| [Crop_per_year] | Crop per year |
| Choose one or more options: | |
| <input type="checkbox"/> [1] | |
| <input type="checkbox"/> [2] | |
| <input type="checkbox"/> [3] | |
| VI.4.1_ Crops wet season | |
| Photo related to Crops wet season | |

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|----------|-----------|-----------|-----------|-----------|-----------|
|----------|-----------|-----------|-----------|-----------|-----------|

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|---|-----------|-----------|-----------|-----------|
| Crops wet season | | | | | |
| [Description] | Description | | | | |
| [Photo] | Take photo | Image: | | | |
| Data - Crops wet season | | | | | |
| [Rice_ws] | 1_Rice | | | | |
| Choose only one option: | | | | | |
| <input type="radio"/> Yes | | | | | |
| <input type="radio"/> No | | | | | |
| <input type="radio"/> NA | | | | | |
| <ul style="list-style-type: none"> • Relevant when: 1_Rice was answered with Yes. | | | | | |
| [If_yes_how_many_ha_rice] | 1.1_If yes, how many ha? | | | | |
| [Vegetables_ws] | 2_Vegetables | | | | |
| Choose only one option: | | | | | |
| <input type="radio"/> Yes | | | | | |
| <input type="radio"/> No | | | | | |
| <input type="radio"/> NA | | | | | |
| <ul style="list-style-type: none"> • Relevant when: 2_Vegetables was answered with Yes. | | | | | |
| [If_yes_how_many_ha_Veg] | 2.1_If yes, how many ha? | | | | |
| [Other_crops_ws] | 3_Other crops | | | | |
| Choose only one option: | | | | | |
| <input type="radio"/> Yes | | | | | |
| <input type="radio"/> No | | | | | |
| <input type="radio"/> NA | | | | | |
| <ul style="list-style-type: none"> • Relevant when: 3_Other crops was answered with Yes. | | | | | |
| [If_yes_what_type_of_crop_1_ws] | 3.1_If yes, what type of crop-1? | | | | |

- Relevant when:
[3.1_ If yes, what type of crop-1?] was NOT answered with ".

[If_yes_how_many_ha_1_ws]
3.1.1_ If yes, how many ha-1?

- Relevant when:
[3.1_ If yes, what type of crop-1?] was NOT answered with ".

[If_yes_what_type_of_crop_2_ws]
3.2_ If yes, what type of crop-2?

- Relevant when:
[3.2_ If yes, what type of crop-2?] was NOT answered with ".

[If_yes_how_many_ha_2_ws]
3.2.1_ If yes, how many ha-2?

- Relevant when:
[3.2_ If yes, what type of crop-2?] was NOT answered with ".

[If_yes_what_type_of_crop_3_ws]
3.3_ If yes, what type of crop-3?

- Relevant when:
[3.3_ If yes, what type of crop-3?] was NOT answered with ".

[If_yes_how_many_ha_3_ws]
3.3.1_ If yes, how many ha-3?

VI.4.2_ Crops dry season

Photo related to Crops dry season

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Crops dry season | | | | | |
| [Description] Description | | | | | |

[Photo]

Take photo

Image:

Data - Crops dry season

[Rice]

1_ Rice

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

[1_ Rice] was answered with [Yes].

[If_yes_how_many_ha_rice]
1.1_ If yes, how many ha?

[Vegetables]

2_ Vegetables

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

[2_ Vegetables] was answered with [Yes].

[If_yes_how_many_ha_Veg]
2.1_ If yes, how many ha?

[Other_crops]

3_ Other crops

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

[3_ Other crops] was answered with [Yes].

[If_yes_what_type_of_crop_1]
3.1_ If yes, what type of crop-1?

- Relevant when:

[3.1_ If yes, what type of crop-1?] was NOT answered with ".

[If_yes_how_many_ha_1]
3.1.1_ If yes, how many ha-1?

- Relevant when:

[3.1_ If yes, what type of crop-1?] was NOT answered with ".

[If_yes_what_type_of_crop_2]
3.2_ If yes, what type of crop-2?

- Relevant when:

[3.2_ If yes, what type of crop-2?] was NOT answered with ".

[If_yes_how_many_ha_2]
3.2.1_ If yes, how many ha-2?

- Relevant when:
[3.2_ If yes, what type of crop-2?] was NOT answered with ".

[If_yes_what_type_of_crop_3]
3.3_ If yes, what type of crop-3?

- Relevant when:
[3.3_ If yes, what type of crop-3?] was NOT answered with ".

[If_yes_how_many_ha_3]
3.3.1_ If yes, how many ha-3?

VI.5_ Technical compliance

- Relevant when:

[1_ Type of surface water?] was answered with [Reservoir].

1)_ Reservoir - offtake

[Workmanship]
1.1_ Workmanship satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]
Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]
1.2_ Cleanliness work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]
Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]
1.3_ Concrete work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]
Photo_Concrete work satisfactory?

Image:

[Earth_works_including_any_protection_astisfactory]
1.4_ Earth works including any protection astisfactory
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Earth_works_including_any_protection_astisfactory]
Photo_Earth works including any protection astisfactory

Image:

- Relevant when:

[1_ Type of surface water?] was answered with [Reservoir].

1)_ Photo related to reservoir

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|-----------|-----------|-----------|-----------|-----------|
| reservoir <div style="border: 1px solid black; padding: 5px;"> Description Description </div> <div style="border: 1px solid black; padding: 5px;"> Take photo Take photo Image: </div> | | | | | |

- Relevant when:

[1_ Type of surface water?] was answered with [Lake].

2)_ Lake (offtake)

[Workmanship]
1_1_Workmanship satisfactory?
(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]
Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]
1_2_Cleanliness work satisfactory?
(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]
Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]
1_3_Concrete work satisfactory?
(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]
Photo_Concrete work satisfactory?

Image:

[Earth_works_including_any_protection_astisfactory]
1_4_Earth works including any protection astisfactory
(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Earth_works_including_any_protection_astisfactory]
Photo_Earth works including any protection astisfactory

Image:

• Relevant when:

1_Type of surface water? was answered with Lake.

2_)_ Photo related to Lake (offtake)

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| Lake (offtake) [Description] Description | | | | | |

• Relevant when:
1_Type of surface water? was answered with River.

3)_ River (head regulator including downstream channel)

[Workmanship]
1_1_Workmanship satisfactory?
(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]
Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]
1_2_Cleanliness work satisfactory?
(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]

Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]

1_3_Concrete work satisfactory?

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]

Photo_Concrete work satisfactory?

Image:

[Earth_works_including_any_protection_astisfactory]

1_4_Earth works including any protection astisfactory

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Earth_works_including_any_protection_astisfactory]

Photo_Earth works including any protection astisfactory

Image:

• Relevant when:

1_Type of surface water? was answered with River.

3_) Photo related to River

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| River | | | | | |
| [Description] Description | | | | | |

[Photo]
Take photo

Image:

4_) Intake/Oftake

[Workmanship]

1_1_Workmanship satisfactory?

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]

Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]

1_2_Cleanliness work satisfactory?

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]

Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]

1_3_Concrete work satisfactory?

(visual inspection)

Choose only one option:

- | | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]

Photo_Concrete work satisfactory?

Image:

[Water_sources_protection_work_satisfactory]

1_4_Water sources protection work satisfactory?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Water_sources_protection_work_satisfactory]
Photo_Water sources protection work satisfactory?

Image:

[Is_the_water_source_supplied_round_year]
1_5_ Is the water source supplied round-year?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_the_water_source_supplied_round_year]
Photo_Is the water source supplied round-year?

Image:

[Pumps_are_all_pumps_installed_and_operational]
1_6_ Pumps, are all pumps installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Pumps_are_all_pumps_installed_and_operational]
Photo_Pumps, are all pumps installed and operational?

Image:

[Gated_structure_are_all_valves_slide_gates_installed_and_operational]
1_7_Gated structure are all valves/slide gates installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Gated_structure_are_all_valves_slide_gates_installed_and_operational]
Photo_Gated structure are all valves/slide gates installed and operational?

Image:

[Is_there_a_flushing_system_installed_and_operational]
1_8_ Is there a flushing system installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_a_flushing_system_installed_and_operational]
Photo_Is there a flushing system installed and operational?

Image:

[Is_there_forest_around_the_intake]
1_9_ Is there forest around the intake?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_forest_around_the_intake]
Photo_Is there forest around the intake?

Image:

4_)_ Photo related to Intake/Offtake

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---|-----------|-----------|-----------|-----------|-----------|
| Intake/Offtake <div style="border: 1px solid black; padding: 5px;"> [Description] Description </div> <div style="border: 1px solid black; padding: 5px;"> [Photo] Take photo Image: </div> | | | | | |

5)_ Head work

[Workmanship]
1_1_ Workmanship satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]
Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]
1_2_ Cleanliness work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]
Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]
1_3_Concrete work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]
Photo_Concrete work satisfactory?

Image:

[Earth_works_including_any_protection_astisfactory]
1_4_Earth works including any protection astisfactory
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Earth_works_including_any_protection_astisfactory]
Photo_Earth works including any protection astisfactory

Image:

[are_all_valves_slide_gates_installed_and_operational]
1_5_are all valves/slide gates installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_are_all_valves_slide_gates_installed_and_operational]
Photo_are all valves/slide gates installed and operational?

Image:

5_)_ Photo related to Head work

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|----------|-----------|-----------|-----------|-----------|-----------|
|----------|-----------|-----------|-----------|-----------|-----------|

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Head work | | | | | |
| [Description] Description | | | | | |
| [Photo] Take photo | | | | | |
| Image: | | | | | |

- Relevant when:
C.1_Is there main canal? was answered with Yes OR Is there main canal? was answered with Yes.

6)_ Main canal

[Workmanship]
1_1_Workmanship satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Workmanship]
Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]
1_2_Cleanliness work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]
Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]
1_3_Concrete work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]
Photo_Concrete work satisfactory?
Image:

[Earth_works_including_any_protection_astisfactory]
1_4_Earth works including any protection astisfactory
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Earth_works_including_any_protection_astisfactory]
Photo_Earth works including any protection astisfactory
Image:

[Is_there_seepage_or_leakage_from_the_canal]
1_5_Is there seepage or leakage from the canal?
Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_seepage_or_leakage_from_the_canal]
Photo_Is there seepage or leakage from the canal?
Image:

[are_all_valves_slide_gates_installed_and_operational]
1_6_are all valves/slide gates installed and operational?
Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_are_all_valves_slide_gates_installed_and_operational]
Photo_are all valves/slide gates installed and operational?
Image:

• Relevant when:
C.1_Is there main canal? was answered with Yes OR Is there main canal? was answered with Yes.

6_)_ Photo related to Main canal

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Main canal | | | | | |
| [Description] Description | | | | | |

[Photo]
Take photo
Image:

- Relevant when:
C.2_Is there secondary canal? was answered with Yes OR Is there secondary canal? was answered with Yes.

7)_ Secondary canal

| | | | | | | | | | | | | |
|---|-------------------------|-----------|-----------------------|------|-----------------------|------|-----------------------|------|-----------------------|----------|-----------------------|----|
| [Workmanship] 1_1_Workmanship satisfactory? <i>(visual inspection)</i> | Choose only one option: | | | | | | | | | | | |
| | <input type="radio"/> | excellent | <input type="radio"/> | good | <input type="radio"/> | fair | <input type="radio"/> | poor | <input type="radio"/> | very bad | <input type="radio"/> | NA |
| <input type="radio"/> | excellent | | | | | | | | | | | |
| <input type="radio"/> | good | | | | | | | | | | | |
| <input type="radio"/> | fair | | | | | | | | | | | |
| <input type="radio"/> | poor | | | | | | | | | | | |
| <input type="radio"/> | very bad | | | | | | | | | | | |
| <input type="radio"/> | NA | | | | | | | | | | | |

| |
|---|
| [Photo_Workmanship] Photo_Workmanship satisfactory? Image: |
|---|

| | | | | | | | | | | | | |
|---|-------------------------|-----------|-----------------------|------|-----------------------|------|-----------------------|------|-----------------------|----------|-----------------------|----|
| [Cleanliness_work] 1_2_Cleanliness work satisfactory? <i>(visual inspection)</i> | Choose only one option: | | | | | | | | | | | |
| | <input type="radio"/> | excellent | <input type="radio"/> | good | <input type="radio"/> | fair | <input type="radio"/> | poor | <input type="radio"/> | very bad | <input type="radio"/> | NA |
| <input type="radio"/> | excellent | | | | | | | | | | | |
| <input type="radio"/> | good | | | | | | | | | | | |
| <input type="radio"/> | fair | | | | | | | | | | | |
| <input type="radio"/> | poor | | | | | | | | | | | |
| <input type="radio"/> | very bad | | | | | | | | | | | |
| <input type="radio"/> | NA | | | | | | | | | | | |

| |
|---|
| [Photo_Cleanliness_work] Photo_Cleanliness work satisfactory? Image: |
|---|

[Concrete_work]
1_3_Concrete work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]
Photo_Concrete work satisfactory?

Image:

[Earth_works_including_any_protection_astisfactory]
1_4_Earth works including any protection astisfactory
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Earth_works_including_any_protection_astisfactory]
Photo_Earth works including any protection astisfactory

Image:

[Is_there_seepage_or_leakage_from_the_canal]
1_5_Is there seepage or leakage from the canal?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_seepage_or_leakage_from_the_canal]
Photo_Is there seepage or leakage from the canal?

Image:

[are_all_valves_slide_gates_installed_and_operational]
1_6_are all valves/slide gates installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_are_all_valves_slide_gates_installed_and_operational]
Photo_are all valves/slide gates installed and operational?

Image:

• Relevant when:

C.2_Is there secondary canal? was answered with Yes OR Is there secondary canal? was answered with Yes.

7_) Photo related to Secondary canal

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|--|-----------|-----------|-----------|-----------|-----------|
| <p>Secondary canal</p> <p>[Description] Description</p> <p>[Photo] Take photo</p> <p>Image:</p> | | | | | |

• Relevant when:

C.3_Is there Tertiary? was answered with Yes OR Is there Tertiary? was answered with Yes.

8_) Tertiary canal

| | | | | | | | | | | | | | |
|---|---|-----------------------|-----------|-----------------------|------|-----------------------|------|-----------------------|------|-----------------------|----------|-----------------------|----|
| [Workmanship] 1_1_Workmanship satisfactory? <i>(visual inspection)</i> | <p>Choose only one option:</p> <table border="1"> <tr><td><input type="radio"/></td><td>excellent</td></tr> <tr><td><input type="radio"/></td><td>good</td></tr> <tr><td><input type="radio"/></td><td>fair</td></tr> <tr><td><input type="radio"/></td><td>poor</td></tr> <tr><td><input type="radio"/></td><td>very bad</td></tr> <tr><td><input type="radio"/></td><td>NA</td></tr> </table> | <input type="radio"/> | excellent | <input type="radio"/> | good | <input type="radio"/> | fair | <input type="radio"/> | poor | <input type="radio"/> | very bad | <input type="radio"/> | NA |
| <input type="radio"/> | excellent | | | | | | | | | | | | |
| <input type="radio"/> | good | | | | | | | | | | | | |
| <input type="radio"/> | fair | | | | | | | | | | | | |
| <input type="radio"/> | poor | | | | | | | | | | | | |
| <input type="radio"/> | very bad | | | | | | | | | | | | |
| <input type="radio"/> | NA | | | | | | | | | | | | |

[Photo_Workmanship]
Photo_Workmanship satisfactory?

Image:

[Cleanliness_work]
1_2_Cleanliness work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Cleanliness_work]
Photo_Cleanliness work satisfactory?

Image:

[Concrete_work]

1_3_Concrete work satisfactory?
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Concrete_work]

Photo_Concrete work satisfactory?

Image:

[Earth_works_including_any_protection_astisfactory]

1_4_Earth works including any protection astisfactory
(visual inspection)

Choose only one option:

| | |
|-----------------------|-----------|
| <input type="radio"/> | excellent |
| <input type="radio"/> | good |
| <input type="radio"/> | fair |
| <input type="radio"/> | poor |
| <input type="radio"/> | very bad |
| <input type="radio"/> | NA |

[Photo_Earth_works_including_any_protection_astisfactory]

Photo_Earth works including any protection astisfactory

Image:

[Is_there_seepage_or_leakage_from_the_canal]

1_5_Is there seepage or leakage from the canal?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_Is_there_seepage_or_leakage_from_the_canal]

Photo_Is there seepage or leakage from the canal?

Image:

[are_all_valves_slide_gates_installed_and_operational]

1_6_are all valves/slide gates installed and operational?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

[Photo_are_all_valves_slide_gates_installed_and_operational]

Photo_are all valves/slide gates installed and operational?

Image:

• Relevant when:
C.3_Is there Tertiary? was answered with Yes OR Is there Tertiary? was answered with Yes.

8_)_ Photo related to Tertiary canal

| Question | Element 1 | Element 2 | Element 3 | Element 4 | Element 5 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Tertiary canal | | | | | |
| [Description] Description | | | | | |

| |
|--------------------------------|
| [Photo] Take photo |
| Image: |

| |
|---|
| [End_Irrigation] This is the end of "Irrigation assessment" |
|---|

• Relevant when:
Select sub-project was answered with 5. Social.

VII. Social

| |
|--|
| S |
| [Social_related_to_sub_project] |
| 1. Social related to sub-project? |

Choose one or more options:

| | |
|--------------------------|-------------------|
| <input type="checkbox"/> | 1. Primary school |
| <input type="checkbox"/> | 2. Water supply |
| <input type="checkbox"/> | 3. Road |
| <input type="checkbox"/> | 4. Irrigation |
| <input type="checkbox"/> | 5. Dispensary |

| |
|--|
| • Relevant when: 1. Social related to sub-project? was answered with 1. Primary school. |
|--|

VII.1 Primary school

| |
|-------------------------------------|
| VII.1.1 Village-Level Survey |
|-------------------------------------|

| |
|---|
| E-1 |
| [Note] Note: The survey here only focuses on primary school. Other educational stages should not be surveyed, as per the sampling decisions |

[Number_of_HHs_benefitting_from_the_project_Sc]
1. Number of HHs benefitting from the project

[What_type_of_school_is_the_project_school]
2. What type of school is the project school?

Choose only one option:

- | | |
|-----------------------|---------|
| <input type="radio"/> | primary |
| <input type="radio"/> | other |

[Prior_to_the_project_did_the_village_have_a_primary_school]
3. Prior to the project, did the village have a primary school?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

E-2

[Note]
Note: all questions below pertain to the primary schools where the construction/rehabilitation of the school was supported by the project

[After_the_project_Do_other_villages_also_use_or_benefit_from_the_project_Sc]

1 After the project, Do other villages also use or benefit from the project?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

1 After the project, Do other villages also use or benefit from the project? was answered with Yes.

[If_yes_how_many_villages]

1.1 If yes, how many villages?

[Today_what_is_the_average_class_size_in_the_school_overall]
2. Today, what is the average class size in the school overall?

[How_many_classrooms_were_built_with_project_financing]
3. How many classrooms were built with project-financing?

[When_did_the_clasrooms_start_being_used]
4. When did the clasrooms start being used?

(Month and year. Put "Not yet" if not yet used)

[How_many_pupils_learn_in_the_project_funded_classrooms]
5. How many pupils learn in the project-funded classrooms?

(Total number of pupils for all project-funded classrooms. Can be approximative)

E-3

[Note]

Note: For the years where data are available, how many students were enrolled in the school in

[The_year_of_2016]

1. The year of 2016

(Number of students in the school. Put NA if there was no school. Put ND if there is no data)

[The_year_of_2017]

2. The year of 2017

(Number of students in the school. Put NA if there was no school. Put ND if there is no data)

[The_year_of_2018]

3. The year of 2018

(Number of students in the school. Put NA if there was no school. Put ND if there is no data)

[The_year_of_2019]

4. The year of 2019

(Number of students in the school. Put NA if there was no school. Put ND if there is no data)

[The_year_of_2020]

5. The year of 2020

(Number of students in the school. Put NA if there was no school. Put ND if there is no data)

[The_year_of_2021]

6. The year of 2021

(Number of students in the school. Put NA if there was no school. Put ND if there is no data)

[Note]

Note: If the village already had some schools of the same educational stage (primary school) and new classes were built

[What_was_the_average_class_size_prior_to_the_schools_construction]

7. What was the average class size prior to the school's construction?

(Number of pupils per classroom and per teacher. Can be approximative)

• Relevant when:

1. Number of HHs benefitting from the project was NOT answered with 0 AND 1. Number of HHs benefitting from the project was NOT answered with ".

VII.1.2 HH level survey (5 HHs per village)

| Question | Element 1 | Element 2 | I |
|---|-----------|-----------|---|
| [What_ethnic_group_are_you] What ethnic group are you? (Number of children aged 6-10, all primary schools) | | | |

| Question | Element 1 | Element 2 | I |
|--|-----------|-----------|---|
| <p>E-4</p> <p>[Note] Note: Only survey HH with 1 or more child going to the project-financed school.</p> <p>[How_many_children_of_school_age_do_you_have] 1. How many children of school age do you have? (Number of children aged 6-10, all primary schools)</p> <p>[How_many_of_these_children_attend_the_project_financed_school] 2. How many of these children attend the project-financed school? (Number of children aged 6-10, all primary schools)</p> <p>• Relevant when: 2. How many of these children attend the project-financed school? was NOT answered with " AND 2. How many of these children attend the project-financed school? was NOT answered with 0.</p> <p>Child1</p> <p>[Note] Note: Answer for the HH's children attending the project-financed school. If the HH has more than 3 children attending the school, answer for the 3 oldest children only</p> <p>[Where_did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child1] 1. Where did your children go to school before the project-financed school was opened?</p> <p>Choose only one option: other shool in village other school further away was of school age but did not go to school was too young to go to school NA</p> <p>• Relevant when: 1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[How_did_the_child_go_to_school_before] 2. How did the child go to school before?</p> <p>Choose only one option: walk bicycle other</p> | | | |

| Question | Element 1 | Element 2 | I |
|--|-----------|-----------|---|
| <p>• Relevant when: 1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[Who_if_anyone_went_to_school_with_the_child] 3. Who, if anyone, went to school with the child?</p> <p>Choose only one option: nobody sibling other school children parents other adult</p> <p>• Relevant when: 1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[How_long_was_the_journey_to_school_before_the_project_financed_school] 4. How long was the journey to school before the project-financed school? minute per day (add up time for going and returning)</p> <p>[How_long_is_the_journey_to_the_project_financed_school_now] 5. How long is the journey to the project-financed school now? minute per day (add up time for going and returning)</p> <p>• Relevant when: 1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[How_many_days_a_month_did_your_children_miss_on_average_per_month_before_the_project_support] 6. How many days a month did your children miss on average per month before the project support? days per month (approximation is fine)</p> <p>[How_many_days_a_month_do_your_children_miss_on_average_per_month_now_after_the_project_support] 7. How many days a month do your children miss on average per month now after the project support? days per month (approximation is fine)</p> <p>• Relevant when: 2. How many of these children attend the project-financed school? was NOT answered with 1 AND 2. How many of these children attend the project-financed school? was NOT answered with 0 AND 2. How many of these children attend the project-financed school? was NOT answered with ".</p> <p>Child2</p> <p>[Note] Note: Answer for the HH's children attending the project-financed school. If the HH has more than 3 children attending the school, answer for the 3 oldest children only</p> | | | |

| Question | Element 1 | Element 2 | I |
|---|-----------|-----------|---|
| <p>[Where_did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child2]</p> <p>1. Where did your children go to school before the project-financed school was opened?</p> <p>Choose only one option:</p> <p>other shool in village other school further away was of school age but did not go to school was too young to go to school NA</p> | | | |
| <ul style="list-style-type: none"> Relevant when: <p>1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[How_did_the_child_go_to_school_before]</p> <p>2. How did the child go to school before?</p> <p>Choose only one option:</p> <p>walk bicycle other</p> | | | |
| <ul style="list-style-type: none"> Relevant when: <p>1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[Who_if_anyone_went_to_school_with_the_child]</p> <p>3. Who, if anyone, went to school with the child?</p> <p>Choose only one option:</p> <p>nobody sibling other school children parents other adult</p> | | | |
| <ul style="list-style-type: none"> Relevant when: <p>1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[How_long_was_the_journey_to_school_before_the_project_financed_school]</p> <p>4. How long was the journey to school before the project-financed school?</p> <p>minute per day (add up time for going and returning)</p> | | | |
| <p>[How_long_is_the_journey_to_the_project_financed_school_now]</p> <p>5. How long is the journey to the project-financed school now?</p> <p>minute per day (add up time for going and returning)</p> | | | |
| <ul style="list-style-type: none"> Relevant when: <p>1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[How_many_days_a_month_did_your_children_miss_on_average_per_month_before_the_project_support]</p> <p>6. How many days a month did your children miss on average per month before the project support?</p> <p>days per month (approximation is fine)</p> | | | |

| Question | Element 1 | Element 2 | I |
|--|-----------|-----------|---|
| <p>[How_many_days_a_month_do_your_children_miss_on_average_per_month_now_after_the_project_support]</p> <p>7. How many days a month do your children miss on average per month now after the project support?</p> <p>days per month (approximation is fine)</p> | | | |
| <ul style="list-style-type: none"> Relevant when: <p>2. How many of these children attend the project-financed school? was NOT answered with 1 AND 2. How many of these children attend the project-financed school? was NOT answered with 0 AND 2. How many of these children attend the project-financed school? was NOT answered with 2 AND 2. How many of these children attend the project-financed school? was NOT answered with ".</p> | | | |
| <h3>Child3</h3> | | | |
| <p>[Note]</p> <p>Note: Answer for the HH's children attending the project-financed school. If the HH has more than 3 children attending the school, answer for the 3 oldest children only</p> | | | |
| <p>[Where_did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child3]</p> <p>1. Where did your children go to school before the project-financed school was opened?</p> <p>Choose only one option:</p> <p>other shool in village other school further away was of school age but did not go to school was too young to go to school NA</p> | | | |
| <ul style="list-style-type: none"> Relevant when: <p>1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[How_did_the_child_go_to_school_before]</p> <p>2. How did the child go to school before?</p> <p>Choose only one option:</p> <p>walk bicycle other</p> | | | |
| <ul style="list-style-type: none"> Relevant when: <p>1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[Who_if_anyone_went_to_school_with_the_child]</p> <p>3. Who, if anyone, went to school with the child?</p> <p>Choose only one option:</p> <p>nobody sibling other school children parents other adult</p> | | | |
| <p>[How_long_is_the_journey_to_the_project_financed_school_now]</p> <p>4. How long is the journey to the project-financed school now?</p> <p>minute per day (add up time for going and returning)</p> | | | |
| <p>[How_many_days_a_month_did_your_children_miss_on_average_per_month_before_the_project_support]</p> <p>5. How many days a month did your children miss on average per month before the project support?</p> <p>days per month (approximation is fine)</p> | | | |

| Question | Element 1 | Element 2 | I |
|---|--------------|--------------|---|
| <p>• Relevant when:</p> <p>1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[How_long_was_the_journey_to_school_before_the_project_financed_school]</p> <p>4. How long was the journey to school before the project-financed school? minute per day (add up time for going and returning)</p> <p>[How_long_is_the_journey_to_the_project_financed_school_now]</p> <p>5. How long is the journey to the project-financed school now? minute per day (add up time for going and returning)</p> <p>• Relevant when:</p> <p>1. Where did your children go to school before the project-financed school was opened? was answered with other shool in village OR 1. Where did your children go to school before the project-financed school was opened? was answered with other school further away.</p> <p>[How_many_days_a_month_did_your_children_miss_on_average_per_month_before_the_project_support]</p> <p>6. How many days a month did your children miss on average per month before the project support? days per month (approximation is fine)</p> <p>[How_many_days_a_month_do_your_children_miss_on_average_per_month_now_after_the_project_support]</p> <p>7. How many days a month do your children miss on average per month now after the project support? days per month (approximation is fine)</p> <p>[School_note] Please note any information not previously noted that is important to understand the answers or impact of the infrastructure [free text]</p> <p>[End_Social_School] This is the end of "Social Related to School"</p> <p>• Relevant when: 1. Social related to sub-project? was answered with 2. Water supply.</p> | | | |

VII.2 Water

VII.2.1 Village-Level Survey

Overall

[Number_of_HHs_benefitting_from_the_project]
1. Number of HHs benefitting from the project

| |
|--|
| <p>[output_number_of_stand_pipes_installed_by_the_project] 2. output: number of stand pipes installed by the project (Number, put 0 if none)</p> <p>[Before_the_project_where_did_most_HHs_in_the_village_get_water_for_drinking_and_cooking] 3. Before the project, where did most HHs in the village get water for drinking and cooking?</p> <p>Choose only one option:</p> <p><input type="radio"/> other source of water in the village <input type="radio"/> source of water outside the village</p> <p>[How_long_did_it_take_to_go_there1] 4. How long did it take to go there? Minutes per trip (sum up the time for going and returning)</p> <p>[Before_the_project_where_did_most_HHs_get_water_for_washing] 5. Before the project, where did most HHs get water for washing?</p> <p>Choose only one option:</p> <p><input type="radio"/> other source of water in the village <input type="radio"/> source of water outside the village</p> <p>[How_long_did_it_take_to_go_there2] 6. How long did it take to go there? Minutes per trip (sum up the time for going and returning)</p> <p>[Now_where_do_most_HHs_get_water_for_drinking_and_cooking] 7. Now, where do most HHs get water for drinking and cooking?</p> <p>Choose only one option:</p> <p><input type="radio"/> other source of water in the village <input type="radio"/> PRF-financed source of water <input type="radio"/> source of water outside the village</p> <p>[Now_where_do_most_HHs_get_water_for_washing] 8. Now, where do most HHs get water for washing ?</p> <p>Choose only one option:</p> <p><input type="radio"/> other source of water in the village <input type="radio"/> PRF-financed source of water <input type="radio"/> source of water outside the village</p> <p>[How_many_HH_in_the_village_use_water_from_the_stand_pipe_system] 9. How many HH in the village use water from the stand pipe system? (Number of HH)</p> <p>[What_is_the_capacity_of_the_water_tanks] 10. What is the capacity of the water tanks? (Enter in number of Litres per water tank)</p> <p>[How_many_HH_on_average_use_one_water_tank] 11. How many HH on average use one water tank? (Average HH per water tanks)</p> <p>[On_average_how_many_Litres_per_day_are_available_per_tank_in_the_wet_season] 12. On average, how many Litres per day are available per tank in the wet season? (Litres per day, approximative answer is fine)</p> |
|--|

[On_average_how_many_Litres_per_day_are_available_per_tank_in_the_dry_season]
13. On average, how many Litres per day are available per tank in the dry season?
(Litres per day, approximative answer is fine)

• Relevant when:

9. How many HH in the village use water from the stand pipe system? was NOT answered with 0 **AND** 9.
 How many HH in the village use water from the stand pipe system? was NOT answered with ".

VII.2.2 HH level survey (5 HHs per village)

Question
 [What_ethnic_group_are_you]
What ethnic group are you?

These questions focus on water use before the project

[Where_did_you_typically_go_to_fetch_water]
1. Where did you typically go to fetch water?

Choose only one option:
 other source of water in the village
 source of water outside the village

[How_far_away_was_the_most_frequently_used_source_of_water]
2. How far away was the (most frequently used) source of water?

(Minutes per trip, going and returning)

[How_much_time_per_day_did_your_HH_spend_fetching_water]
3. How much time per day did your HH spend fetching water?

(Minutes per day per HH (for all trips, and all sources of water. If two/three/X people take a trip, the time should be multiplied by two/three/x))

[On_average_how_many_days_per_month_were_you_and_your_family_members_sick_from_water_in_the_wet_season_eg_diarrhea]
4. On average, how many days per month were you and your family members sick from water in the wet season (e.g. diarrhea or dysentery)?
(Average days per month, per HH member)

[On_average_how_many_days_per_month_were_you_and_your_family_members_sick_from_water_in_the_dry_season_eg_diarrhea]
5. On average, how many days per month were you and your family members sick from water in the dry season (e.g. diarrhea or dysentery)?
(Average days per month, per HH member)

Question

These questions focus on water use after the project

[Now_where_do_you_typically_go_to_fetch_water]
6. Now, where do you typically go to fetch water?

Choose only one option:
 other source of water in the village
 PRF-financed source of water
 source of water outside the village

[Now_how_far_away_is_the_most_frequently_used_source_of_water]
7. Now, how far away is the (most frequently used) source of water ?

(Minutes per trip, going and returning)

[Now_how_much_time_per_day_does_your_HH_spend_fetching_water]
8. Now, how much time per day does your HH spend fetching water?

(Minutes per day per HH (for all trips, and all sources of water))

[Does_your_HH_use_more_water_than_before_the_project]
9. Does your HH use more water than before the project?

Choose only one option:
 same amount
 a bit more
 a lot more
 I don't know

[Where_do_you_and_your_HH_members_get_your_drinking_and_cooking_water_from]
10. Where do you and your HH members get your drinking and cooking water from?

Choose only one option:
 project installation (tanks or pipe)
 other

• Relevant when:
 10. Where do you and your HH members get your drinking and cooking water from? was answered with **other**.

[If_other_please_describe]
10.1. If other, please describe

[On_average_how_many_days_per_month_are_you_and_your_family_members_now_sick_from_water_in_the_wet_season_eg_diarrhea]
11. On average, how many days per month are you and your family members now sick from water in the wet season (e.g. diarrhea or dysentery)?

(Average days per month, per HH member)

[On_average_how_many_days_per_month_are_you_and_your_family_members_now_sick_from_water_in_the_dry_season_eg_diarrhea]
12. On average, how many days per month are you and your family members now sick from water in the dry season (e.g. diarrhea or dysentery)?

(Average days per month, per HH member)

[Water_note]
Please note any information not previously noted that is important to understand the answers or impact of the infrastructure
[free text]

[End_Social_Water]
This is the end of "Social Related to Water"

- Relevant when:
1. Social related to sub-project? was answered with 3. Road.

VII.3 Road

[Village_level_Rd]
VII.3.1. Village-Level Survey

[Number_of_HHs_benefitting_from_the_project]
1. Number of HHs benefitting from the project

[output_number_of_km_of_road_construct_rehabilitate_with_the_project]
2. output: number of km of road construct/rehabilitate with the project
(Number, put 0 if none)

[How_many_HH_have_vehicle]
3. How many HH have vehicle?
Number of HHs

- Relevant when:
3. How many HH have vehicle? was NOT answered with 0 AND 3. How many HH have vehicle? was NOT answered with ".

How many vehicles in this village of:

[Truck]
3.1. Truck

[Pick_up]
3.2. Pick up

[Tractor]
3.3. Tractor

[Tok_tok]
3.4. Tok tok

[Motobike]
3.5. Motobike

[Other1]
3.6. Other1

- Relevant when:
3.6. Other1 was NOT answered with 0 AND 3.6. Other1 was NOT answered with ".

[specy_other1]
3.6.1. specy, other1

- Relevant when:
3.6. Other1 was NOT answered with 0 AND 3.6. Other1 was NOT answered with ".

[Other2]
3.7. Other2

- Relevant when:
3.7. Other2 was NOT answered with 0 AND 3.7. Other2 was NOT answered with ".

[specy_other2]
3.7.1. specy, other2

- Relevant when:
3.7. Other2 was NOT answered with 0 AND 3.7. Other2 was NOT answered with ".

[Other3]
3.8. Other3

- Relevant when:
3.8. Other3 was NOT answered with 0 AND 3.8. Other3 was NOT answered with ".

[specy_other3]
3.8.1. specy, other3

[Before_the_project_What_do_people_in_the_village_use_the_road_for_]
4. Before the project, What do people in the village use the road for?
(descripe)

[Before_the_project_How_much_time_people_in_the_village_takes_to_go_to_nearest_market_]
5. Before the project, How much time people in the village take to go to the agricultural production area?
Minutes per trip

[After_the_project_Do_other_villages_also_use_or_benefit_from_the_project_Rd]
6. After the project, Do other villages also use or benefit from the project?

Choose only one option:

| | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

- Relevant when:

6 After the project, Do other villages also use or benefit from the project? was answered with Yes.

[If_yes_how_many_villages]
6.1 If yes, how many villages?

| [Now_What_do_people_in_the_village_use_the_road_for_] 7. Now, What do people in the village use the road for? (descripe) | | | | | | | | | |
|---|--|----------|--|--|--|--|--|--|--|
| [Now_how_much_time_did_it_take_to_go_to_nearest_market] 8. Now, How much time did people in the village take to go to the agricultural production area? Minutes per trip | | | | | | | | | |
| [On_average_how_many_vehicle_travel_per_day_in_the_wet_season] 9. On average, how many vehicle travel per day in the wet season? Number of vehicle | | | | | | | | | |
| [On_average_how_many_vehicle_travel_per_day_in_the_dry_season] 10. On average, how many vehicle travel per day in the dry season? Number of vehicle | | | | | | | | | |
| [in_the_last_4_months_has_the_road_undergone_any_maintenance] 11. in the last 4 months, has the road undergone any maintenance? Number | | | | | | | | | |
| <p>• Relevant when:</p> <p>3. How many HH have vehicle? was NOT answered with 0 AND 3. How many HH have vehicle? was NOT answered with ".</p> | | | | | | | | | |
| VII.3.2 HH level survey (5 HHs per village) | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Question</th> </tr> </thead> <tbody> <tr> <td>[What_ethnic_group_are_you] What ethnic group are you?</td> </tr> <tr> <td>[Note] Note: For each of the following vehicles, how many does your household have</td> </tr> <tr> <td>[Motorbike] 1. Motorbike Number</td> </tr> <tr> <td>[Tok_tok] 2. Tok tok Number</td> </tr> <tr> <td>[Mini_pick_up] 3. Mini pick up Number</td> </tr> <tr> <td>[Truck] 4. Truck Number</td> </tr> <tr> <td>[Other] 5. Other Number</td> </tr> </tbody> </table> | | Question | [What_ethnic_group_are_you] What ethnic group are you? | [Note] Note: For each of the following vehicles, how many does your household have | [Motorbike] 1. Motorbike Number | [Tok_tok] 2. Tok tok Number | [Mini_pick_up] 3. Mini pick up Number | [Truck] 4. Truck Number | [Other] 5. Other Number |
| Question | | | | | | | | | |
| [What_ethnic_group_are_you] What ethnic group are you? | | | | | | | | | |
| [Note] Note: For each of the following vehicles, how many does your household have | | | | | | | | | |
| [Motorbike] 1. Motorbike Number | | | | | | | | | |
| [Tok_tok] 2. Tok tok Number | | | | | | | | | |
| [Mini_pick_up] 3. Mini pick up Number | | | | | | | | | |
| [Truck] 4. Truck Number | | | | | | | | | |
| [Other] 5. Other Number | | | | | | | | | |

| Question | |
|---|--|
| [What_is_the_most_frequently_used_vehicles] 6. What is the most frequently used vehicles? Choose only one option: motorbik tok tok pick up other | |
| These questions focus on use of road before the project (interview HHs that have motor tok tok, pick up etc) | |
| [Before_the_project_What_do_you_use_the_road_for_] 1. Before the project, What do you use the road for? (descripe) | |
| [Before_the_project_how_many_Litres_of_fuel_did_you_use_for_a_round_trip_from_your_village_to_the_nearest_market] 2. Before the project, How much time did you take to go to the agricultural production area? Minutes per trip, going and returning | |
| [Before_the_project_how_much_did_you_spend_on_fuel_for_a_round_trip_from_your_village_to_the_nearest_market] 3. Before the project, how much time did you take for a round trip from your village to the another nearest village? Minutes per trip, going and returning | |
| [Before_the_road_construction_rehabilitation_on_average_how_many_time_per_month_did_you_travel_to_District_center_in_the_wet_s] 4. Before the road construction/rehabilitation, on average, how many time per month did you travel to the agricultural production in the wet season? Average time per month, per HH member | |
| [Before_the_road_construction_rehabilitation_on_average_how_many_time_per_month_did_you_travel_to_District_center_in_the_dry_s] 5. Before the road construction/rehabilitation, on average, how many time per month did you travel to the agricultural production in the dry season? Average time per month, per HH member | |

| Question | |
|---|--|
| These questions focus on use of road after the project (interview HHs that have motor tok tok, pick up etc) | |
| [Now_What_do_you_use_the_road_for_] 1. Now, What do you use the road for? (descripe) | |
| [Now_How_much_time_you_spend_from_your_village_to_nearest_market_by_motobike_pick_up_Tok_Tok] 2. Now, How much time did you take to go to the agricultural production area? Minutes per trip, going and returning | |
| [Now_how_many_Litres_of_fuel_did_you_use_for_a_round_trip_from_your_village_to_the_nearest_market] 3. Now, how much time did you take for a round trip from your village to the another nearest village? Minutes per trip, going and returning | |
| [Now_on_average_how_many_time_per_month_do_you_travel_to_District_center_in_the_wet_season] 4. Now, on average, how many time per month did you travel to the agricultural production area in the wet season? Average times per month, per HH member | |
| [Now_on_average_how_many_time_per_month_do_you_travel_to_District_center_in_the_dry_season] 5. Now, on average, how many time per month did you travel to the agricultural production area in the dry season? Average times per month, per HH member | |
| [Road_note] 8. Please note any information not previously noted that is important to understand the answers or impact of the infrastructure (free text) | |
| [End_Social_Road] This is the end of "Social Related to Road" | |
| <ul style="list-style-type: none"> • Relevant when: <p>1. Social related to sub-project? was answered with 4. Irrigation.</p> | |
| VII.4 Irrigation | |
| VII.4.1 Village-Level Survey | |
| [Which_year_of_irrigation_construction_rehabilitation_complete] 1. Which year of irrigation construction/rehabilitation complete? Year | |

| Question | Element 1 | Element 2 | E |
|--|--|-----------|-----------|
| [Before_the_project_did_the_village_have_irrigation_system] 2. Before the project, did the village have irrigation system? | Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | | |
| [How_many_HHs_directly_benefit_from_this_irrigation_system] 3. How many HHs directly benefit from this irrigation system? Number of HHs | | | |
| [How_many_hectares_of_farming_areas_in_your_village_before_the_project] 4. How many hectares of farming areas in your village before the project? Number of ha. | | | |
| [How_many_hectares_of_farming_areas_in_your_village_after_the_project] 5. How many hectares of farming areas in your village after the project? Number of ha. | | | |
| [How_many_seasons_do_farmers_in_your_village_can_grow_before_the_project] 6. How many seasons do farmers in your village can grow before the project? Number of ha. | | | |
| [How_many_seasons_do_farmers_in_your_village_can_grow_after_the_project] 7. How many seasons do farmers in your village can grow after the project? Number of ha. | | | |
| [What_type_of_crops_do_farmers_in_your_village_grow_before_the_project] 8. What type of crops do farmers in your village grow before the project? | | | |
| [What_type_of_crops_do_farmers_in_your_village_grow_after_the_project] 9. What type of crops do farmers in your village grow after the project? | | | |
| [Have_you_noted_any_increase_of_production_in_your_village_recently] 10. Have you noted any increase of production in your village recently? | Choose only one option: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA | | |
| <ul style="list-style-type: none"> • Relevant when: <p>3. How many HHs directly benefit from this irrigation system? was NOT answered with 0 AND 3. How many HHs directly benefit from this irrigation system? was NOT answered with ".</p> | | | |
| VII.4.2 HH level survey (5 HHs per village) | | | |
| Question | | Element 1 | Element 2 |
| [What_ethnic_group_are_you] What ethnic group are you? | | | |

| Question | Element 1 | Element 2 | E |
|---|-----------|-----------|---|
| These questions focus on irrigation system before the project (interview HHs that benefitted from the irrigation scheme) | | | |
| [Before_the_project_how_many_ha_of_crop_plantation_area_do_you_have_in_total] | | | |
| 1. Before the project, how many ha of crop plantation area do you have? (in total) | | | |
| <i>Number of hectare</i> | | | |
| [Before_the_project_how_many_hectares_did_you_crop_in_the_main_planting_season] | | | |
| 2. Before the project, how many hectares did you crop in the main planting season? | | | |
| <i>Number of hectare</i> | | | |
| • Relevant when: | | | |
| 2. Before the project, how many hectares did you crop in the main planting season? was NOT answered with 0 | | | |
| AND | | | |
| 2. Before the project, how many hectares did you crop in the main planting season? was NOT answered with ". | | | |
| [Before_the_project_what_was_the_main_crop_for_the_main_planting_season] | | | |
| 3. Before the project, what was the main crop for the main planting season? | | | |
| <i>Name of the crop</i> | | | |
| [Before_the_project_how_many_hectares_did_you_do_crop_off_season] | | | |
| 4. Before the project, how many hectares did you do crop off-season? | | | |
| <i>Number of hectare</i> | | | |
| • Relevant when: | | | |
| 4. Before the project, how many hectares did you do crop off-season? was NOT answered with 0 | | | |
| AND | | | |
| 4. Before the project, how many hectares did you do crop off-season? was NOT answered with ". | | | |
| [Before_the_project_what_was_the_main_crop_for_the_off_season] | | | |
| 5. Before the project, what was the main crop for the off-season? | | | |
| <i>Name of the crop</i> | | | |
| • Relevant when: | | | |
| 2. Before the project, how many hectares did you crop in the main planting season? was NOT answered with 0 | | | |
| AND | | | |
| 2. Before the project, how many hectares did you crop in the main planting season? was NOT answered with ". | | | |
| [Before_the_project_what_was_your_average_yield_kg_hectare_for_the_crop_in_the_main_planting_season] | | | |
| 6. Before the project, what was your average yield (kg/hectare) for the crop in the main planting season? | | | |
| <i>kg/ha</i> | | | |
| • Relevant when: | | | |
| 4. Before the project, how many hectares did you do crop off-season? was NOT answered with 0 | | | |
| AND | | | |
| 4. Before the project, how many hectares did you do crop off-season? was NOT answered with ". | | | |
| [Before_the_project_what_was_your_average_yield_kg_hectare_for_the_crop_in_the_off_season] | | | |
| 7. Before the project, what was your average yield (kg/hectare) for the crop in the off-season? | | | |
| <i>kg/ha</i> | | | |

| Question | Element 1 | Element 2 | E |
|--|-----------|-----------|---|
| These questions focus on irrigation system after the project (interview HHs that have farmlandetc) | | | |
| [Now_how_many_hectares_do_you_do_crop_in_the_main_planting_season] | | | |
| 1. Now, how many hectares do you do crop in the main planting season? | | | |
| <i>Number of hectare</i> | | | |
| • Relevant when: | | | |
| 1. Now, how many hectares do you do crop in the main planting season? was NOT answered with " | | | |
| AND | | | |
| 1. Now, how many hectares do you do crop in the main planting season? was NOT answered with 0. | | | |
| [Now_what_is_the_main_crop_for_the_main_planting_season] | | | |
| 2. Now, what is the main crop for the main planting season? | | | |
| <i>Name of the crop</i> | | | |
| [Now_how_many_hectares_do_you_crop_off_season] | | | |
| 3. Now, how many hectares do you crop off-season? | | | |
| <i>Number of hectare</i> | | | |
| • Relevant when: | | | |
| 3. Now, how many hectares do you crop off-season? was NOT answered with 0 | | | |
| AND | | | |
| 3. Now, how many hectares do you crop off-season? was NOT answered with ". | | | |
| [Now_what_is_the_main_crop_for_the_off_season] | | | |
| 4. Now, what is the main crop for the off-season? | | | |
| <i>Name of the crop</i> | | | |
| • Relevant when: | | | |
| 1. Now, how many hectares do you do crop in the main planting season? was NOT answered with 0 | | | |
| AND | | | |
| 1. Now, how many hectares do you do crop in the main planting season? was NOT answered with ". | | | |
| [Before_the_project_what_was_your_average_yield_kg_hectare_for_the_crop_in_the_main_planting_season] | | | |
| 5. Now, what is your average yield (kg/hectare) for the crop in the main planting season? | | | |
| <i>kg/ha</i> | | | |
| • Relevant when: | | | |
| 3. Now, how many hectares do you do crop off-season? was NOT answered with 0 | | | |
| AND | | | |
| 3. Now, how many hectares do you do crop off-season? was NOT answered with ". | | | |
| [Before_the_project_what_was_your_average_yield_kg_hectare_for_the_crop_in_the_off_season] | | | |
| 6. Now, what is your average yield (kg/hectare) for the crop in the off-season? | | | |
| <i>kg/ha</i> | | | |
| [Irrigation_note] | | | |
| 7. Please note any information not previously noted that is important to understand the answers or impact of the infrastructure | | | |
| <i>[free text]</i> | | | |

[End_Social_Irrigation]
**This is the end of
 "Social Related to Irrigation"**

• Relevant when:

1. Social related to sub-project? was answered with 5. Dispensary.

VII.5 Dispensary

VII.5.1 Village-Level Survey

[Number of HHs benefitting from the project Ds]
1. Number of HHs benefitting from the project
 Number of HHs

[Which_year_of_dispensary_construction_rehabilitation_complete]
2. Which year of dispensary construction/rehabilitation complete?

Year

[Before_the_project_where_villagers_go_when_they_are_sick_or_need_health_care_service]
3. Before the project, where is the nearest place that villagers go when they are sick or need health care service?

Place

[Before_the_project_On_overage_How_many_minutes_do_they_take_to_get_there]
3.1. Before the project, On average, How many minutes do they take to get there?
 (minute)

[After_the_project_On_overage_How_many_minutes_do_they_take_to_get_there]
3.2. After the project, On average, How many minutes do they take to get there?
 (minute)

[After_the_project_Do_other_villages_also_use_or_benefit_from_the_project_Di]
4 After the project, Do other villages also use or benefit from the project?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

4 After the project, Do other villages also use or benefit from the project? was answered with Yes.

[If_yes_how_many_villages]
4.1 If yes, how many villages?

[Now_where_do_villagers_go_when_they_are_sick_or_need_health_care_service]
5. Now, where do villagers go when they are sick or need health care service?

Place

[Which_months_of_seasonal_calendar_people_likely_to_get_sick]
6. Which months of seasonal calendar people likely to get sick?
 Month

[Have_younoticed_any_change_of_dispensary_for_healthcare_service_recently]
7. Have you noticed any change of dispensary for healthcare service recently?

Choose only one option:

- | | |
|-----------------------|-----|
| <input type="radio"/> | Yes |
| <input type="radio"/> | No |
| <input type="radio"/> | NA |

• Relevant when:

7. Have you noticed any change of dispensary for healthcare service recently? was answered with Yes.

[If_yes_what_is_the_changes]
8. If yes, what is the changes?

Choose only one option:

- | | |
|-----------------------|--------|
| <input type="radio"/> | Same |
| <input type="radio"/> | Better |
| <input type="radio"/> | Worse |
| <input type="radio"/> | NA |

• Relevant when:

1. Number of HHs benefitting from the project was NOT answered with 0 AND 1. Number of HHs benefitting from the project was NOT answered with ".

HH level survey (5 HHs per village)

| Question | Element 1 | Element 2 | Element 3 |
|----------|-----------|-----------|-----------|
|----------|-----------|-----------|-----------|

[What_ethnic_group_are_you]
What ethnic group are you?

These questions focus on use of healthcare healthcare service before the project

[Before_the_project_where_did_your_family_member_go_for_healthcare_service_or_when_they_sick]
1. Before the project, where did your family member go for healthcare service or when they sick?
 Place

[Before_the_project_how_far_you_go_for_healthcare_service_from_your_village]
2. Before the project, how far you go for healthcare service from your village?
 Distance (Km)

[Before_the_project_how_many_time_per_year_did_your_family_member_go_for_healthcare_service]
3. Before the project, how many time per year did your family member go for healthcare service?
 Number of times (all family member)

| Question | Element 1 | Element 2 | Element 3 |
|--|-----------|-----------|-----------|
| These questions focus on use of healthcare service after the project | | | |
| Did someone in your family went to healthcare service in the past year: | | | |
| [The_year_of_2019] 4. The year of 2019 Number of persons. | | | |
| [The_year_of_2020] 5. The year of 2020 Number of persons. | | | |
| [The_year_of_2021] 6. The year of 2021 Number of persons. | | | |
| [Where_did_they_go] 7. Where did they go Place | | | |
| [Now_where_did_your_family_member_go_for_healthcare_service] 8. Now, where did your family member go for healthcare service? Place | | | |
| [Now_how_far_you_go_for_healthcare_service_from_your_village] 9. Now, how far you go for healthcare service from your village? Distance (Km) | | | |
| [Now_how_many_times_per_year_did_your_family_member_go_for_healthcare_service] 10. Now, how many times per year did your family member go for healthcare service? Number of times | | | |
| [Dispensary_note] 11. Please note any information not previously noted that is important to understand the answers or impact of the infrastructure [free text] | | | |
| [End_Social_Dispantry] This is the end of "Social Related to Dispansery" | | | |

ANNEX 2 SUMMARY TECHNICAL EVALUATION OF SUB-PROJECTS

| | Province | District | Village | SP type | Type of works | Age | Overall construction quality | Fit for purpose | Environmental impacts | Social impacts | Natural Disaster affected | Difficult to access |
|----|---------------|--------------|------------------|---------|---------------|--------|------------------------------|-----------------|-----------------------|----------------|---------------------------|---------------------|
| 1 | Attapeu | Sanxay | B. Dakker | IR | RH | 1<Y<2 | Good | Yes | Yes | No | Yes | Yes |
| 2 | Attapeu | Sanxay | B. Jalernsay | IR | RH | 1<Y<3 | Good | Yes | No | No | No | No |
| 3 | Attapeu | Sanamxay | B. Kasare | RD | NC | Over 4 | Fair | Yes | No | Yes | Yes | No |
| 4 | Attapeu | Sanamxay | B. Bangvilay | RD | NC | 1<Y<2 | Good | Yes | Yes | Yes | No | No |
| 5 | Attapeu | Sanxay | B. Yiatdak | WS | NC | | Fair | Yes | No | No | Yes | Yes |
| 6 | Attapeu | Phouvong | B. Kaouan | WS | RH | 3<Y<4 | Good | Yes | Yes | No | No | Yes |
| 7 | Attapeu | Phouvong | B. Viengxay | BD | NC | 2<Y<3 | Good | Yes | No | No | No | Yes |
| 8 | Attapeu | Phouvong | B. Vongvilay Tai | BD | NC | 1<Y<2 | Fair | Yes | No | No | No | Yes |
| 9 | Houaphanh | Xiengkhor | B. Sobmone | IR | NC | 3<Y<4 | Good | Yes | No | No | No | No |
| 10 | Houaphanh | Viengxay | B. Nhere | IR | NC | Over 4 | Fair | Yes | No | No | No | Yes |
| 11 | Houaphanh | Houameuang | B. More | IR | RH | Over 4 | Fair | Yes | No | No | No | Yes |
| 12 | Houaphanh | Kuane | B. Hin Ngeop | RD | RH | Over 4 | Fair | Yes | No | No | No | Yes |
| 13 | Houaphanh | Xamneua | B. Korhay | WS | RH | 3<Y<4 | Fair | Yes | No | No | No | No |
| 14 | Houaphanh | Sone | B. Meuang Koa | WS | RH | 3<Y<4 | Fair | No | No | No | Yes | No |
| 15 | Houaphanh | Hiem | B. Houaisa | WS | RH | 3<Y<4 | Fair | No | No | No | Yes | No |
| 16 | Houaphanh | Xamtay | B. Sobpheng | BD | NC | Over 4 | Good | Yes | No | No | No | Yes |
| 17 | Luang Namtha | Viengphoukha | B. Tar Soom | IR | NC | Over 4 | Good | Yes | No | No | No | No |
| 18 | Luang Namtha | Viengphoukha | B. Tar Soom | RD | RH | 1<Y<2 | Fair | Yes | No | No | No | No |
| 19 | Luang Namtha | Nalae | B. Khanha | RD | RH | 3<Y<4 | Fair | Yes | No | No | No | No |
| 20 | Luang Namtha | Viengphoukha | B. Poulan | WS | RH | Over 4 | Good | Yes | No | No | Yes | No |
| 21 | Luang Namtha | Nalae | B. Phou Tang | WS | NC | Over 4 | Good | Yes | No | No | No | Yes |
| 22 | Luang Namtha | Long | B. Pha Taa | WS | NC | Over 4 | Fair | Yes | No | No | No | Yes |
| 23 | Luang Namtha | Long | B. Jamai | WS | NC | Over 4 | Good | Yes | No | No | Yes | Yes |
| 24 | Luang Prabang | Viengkham | B. Nanoy | IR | RH | 1<Y<2 | Fair | Yes | No | Yes | Yes | Yes |
| 25 | Luang Prabang | Nambak | B. Kiewha | RD | RH | 3<Y<4 | Good | Yes | No | No | No | No |

| | Province | District | Village | SP type | Type of works | Age | Overall construction quality | Fit for purpose | Environmental impacts | Social impacts | Natural Disaster affected | Difficult to access |
|----|---------------|------------|---------------------|---------|---------------|--------|------------------------------|-----------------|-----------------------|----------------|---------------------------|---------------------|
| 26 | Luang Prabang | Nambak | B. Lankang | RD | RH | Over 4 | Good | Yes | No | No | No | No |
| 27 | Luang Prabang | Phoukhoune | B. Lak 5 | RD | RH | 3<Y<4 | Good | Yes | No | Yes | No | No |
| 28 | Luang Prabang | Viengkham | B. Navaen | RD | NC | 1<Y<2 | Fair | Yes | No | Yes | No | Yes |
| 29 | Luang Prabang | Phonthong | B. Nasamphan | WS | NC | 3<Y<4 | Good | Yes | No | No | No | Yes |
| 30 | Luang Prabang | Phonxay | B. Hin Tang | BD | NC | 1<Y<2 | Good | Yes | No | No | No | Yes |
| 31 | Luang Prabang | Pakxeng | B. Houaymod | BD | NC | Over 4 | Good | Yes | No | No | No | Yes |
| 32 | Oudomxay | Namor | B. Phou Oeuad | IR | RH | Over 4 | Good | Yes | No | No | No | No |
| 33 | Oudomxay | Nga | B. Houay O | IR | RH | Over 4 | Good | Yes | No | No | No | No |
| 34 | Oudomxay | Hoon | B. Dou | IR | RH | 3<Y<4 | Good | Yes | No | No | No | No |
| 35 | Oudomxay | Pakbeng | B. Kiew Khouy | IR | NC | | Good | Yes | No | No | No | Yes |
| 36 | Oudomxay | Beng | B. Nahoum | RD | RH | Over 4 | Poor | Yes | No | No | No | No |
| 37 | Oudomxay | Beng | B. Lainoy | RD | RH | Over 4 | Fair | Yes | No | Yes | Yes | No |
| 38 | Oudomxay | Hoon | B. Chaeng | RD | RH | 3<Y<4 | Fair | Yes | No | No | No | No |
| 39 | Oudomxay | Hoon | B. Taleup | RD | RH | 3<Y<4 | Poor | Yes | No | No | Yes | Yes |
| 40 | Oudomxay | Nga | B. Huay Salark | WS | RH | Over 4 | Good | Yes | Yes | No | No | No |
| 41 | Oudomxay | Namor | B. Huay Hok | BD | NC | Over 4 | Good | Yes | No | No | No | No |
| 42 | Oudomxay | La | B. Lang Ling | BD | NC | Over 4 | Good | Yes | No | No | No | Yes |
| 43 | Phongsaly | May | B. Sida | IR | NC | 3<Y<4 | Fair | Yes | No | No | No | Yes |
| 44 | Phongsaly | Khoua | B. Sarbor | RD | RH | Over 4 | Fair | Yes | No | No | Yes | Yes |
| 45 | Phongsaly | Samphanh | B. Phoung Koo Luang | RD | RH | 2<Y<3 | Poor | Yes | No | No | Yes | Yes |
| 46 | Phongsaly | Samphanh | B. Kongsavi | RD | RH | 3<Y<4 | Good | Yes | No | No | No | Yes |
| 47 | Phongsaly | May | B. Mou Turn | WS | NC | Over 4 | Fair | Yes | No | No | Yes | Yes |
| 48 | Phongsaly | May | B. Houay Kouck | WS | RH | 3<Y<4 | Fair | Yes | No | No | No | Yes |
| 49 | Phongsaly | Khoua | B. Omtup | WS | NC | 2<Y<3 | Good | Yes | No | No | No | Yes |
| 50 | Phongsaly | May | B. Sida | BD | NC | Over 4 | Fair | Yes | No | No | No | Yes |
| 51 | Phongsaly | Samphanh | B. Nar Tuai | BD | NC | 2<Y<3 | Good | Yes | No | No | No | No |

| | Province | District | Village | SP type | Type of works | Age | Overall construction quality | Fit for purpose | Environmental impacts | Social impacts | Natural Disaster affected | Difficult to access |
|----|---------------|--------------|------------------|---------|---------------|--------|------------------------------|-----------------|-----------------------|----------------|---------------------------|---------------------|
| 52 | Salavan | Ta Oi | B. Pajoulern | IR | RH | 3<Y<4 | Fair | No | No | No | Yes | No |
| 53 | Salavan | Samoui | B. KiliGnai | IR | RH | 2<Y<3 | Fair | Yes | No | No | No | Yes |
| 54 | Salavan | Toomlarn | B. Samakisai | RD | RH | Over 4 | Fair | Yes | No | No | No | No |
| 55 | Salavan | Toomlarn | B. Thammalinh | RD | RH | 1<Y<2 | Fair | Yes | No | Yes | Yes | No |
| 56 | Salavan | Toomlarn | B. HouayHva | WS | NC | 3<Y<4 | Good | Yes | Yes | No | No | No |
| 57 | Salavan | Ta Oi | B. Kape | WS | NC | 3<Y<4 | Fair | Yes | Yes | Yes | Yes | No |
| 58 | Salavan | Ta Oi | B. Thoungxa | WS | RH | Over 4 | Fair | Yes | No | Yes | Yes | No |
| 59 | Salavan | Samoui | B. Talor Tai | BD | RH | <1 Y | Good | Yes | No | No | No | Yes |
| 60 | Savannakhet | Phin | B. Nonhxai | IR | NC | 2<Y<3 | Fair | Yes | No | No | No | Yes |
| 61 | Savannakhet | Thapangthong | B. Hin Tang Khok | IR | NC | 1<Y<2 | Good | Yes | No | No | No | No |
| 62 | Savannakhet | Sepon | B. Kaeng Yang | RD | RH | 3<Y<4 | Good | Yes | No | No | No | No |
| 63 | Savannakhet | Phin | B. Kaeng Xai | RD | RH | 1<Y<2 | Fair | Yes | No | No | No | No |
| 64 | Savannakhet | Atsaphone | B. Dongkhamkuan | RD | RH | 1<Y<2 | Fair | Yes | No | No | No | No |
| 65 | Savannakhet | Nong | B. La Baeng Nam | WS | NC | Over 4 | Poor | No | No | No | No | No |
| 66 | Savannakhet | Atsaphone | B. Kathing Gnai | BD | RH | 1<Y<2 | Good | Yes | No | No | No | No |
| 67 | Savannakhet | Thapangthong | B. Hin Tang Khok | BD | NC | Over 4 | Good | Yes | No | No | No | No |
| 68 | Xekong | Kaleum | B. Songkhone | IR | NC | 3<Y<4 | Good | Yes | No | Yes | No | Yes |
| 69 | Xekong | Kaleum | B. Tangpang | IR | NC | 3<Y<4 | Good | Yes | No | Yes | Yes | Yes |
| 70 | Xekong | Dakcheung | B. Mangtha Gnai | IR | NC | Over 4 | Fair | No | No | No | Yes | No |
| 71 | Xekong | Dakcheung | B. Dakden | RD | RH | Over 4 | Fair | Yes | No | Yes | Yes | Yes |
| 72 | Xekong | Kaleum | B. Thongkai | WS | NC | Over 4 | Good | No | No | Yes | Yes | Yes |
| 73 | Xekong | Kaleum | B. Ling | WS | RH | 3<Y<4 | Good | Yes | No | No | Yes | Yes |
| 74 | Xekong | Lamam | B. Pa Or | WS | RH | 3<Y<4 | Good | Yes | No | No | No | No |
| 75 | Xekong | Dakcheung | B. Tang Yeui | WS | RH | 1<Y<2 | Good | Yes | No | Yes | Yes | Yes |
| 76 | Xekong | Lamam | B. Nang Yong | BD | NC | 3<Y<4 | Good | Yes | No | No | No | No |
| 77 | Xieng Khouang | Khoun | B. Phuckhing | IR | RH | Over 4 | Poor | No | No | Yes | Yes | Yes |

| | Province | District | Village | SP type | Type of works | Age | Overall construction quality | Fit for purpose | Environmental impacts | Social impacts | Natural Disaster affected | Difficult to access |
|----|---------------|----------|--------------|---------|---------------|--------|------------------------------|-----------------|-----------------------|----------------|---------------------------|---------------------|
| 78 | Xieng Khouang | Khoun | B. Sunlouang | RD | NC | 3<Y<4 | Fair | Yes | No | Yes | Yes | No |
| 79 | Xieng Khouang | Nonghaed | B. Phar Or | RD | RH | Over 4 | Poor | Yes | No | No | Yes | Yes |
| 80 | Xieng Khouang | Khoun | B. Sunlouang | WS | NC | Over 4 | Good | Yes | No | Yes | Yes | No |
| 81 | Xieng Khouang | Khoun | B. Phuckhing | WS | RH | Over 4 | Fair | Yes | No | No | No | Yes |
| 82 | Xieng Khouang | Khoun | B. Pieng | WS | RH | Over 4 | Fair | Yes | No | No | No | Yes |
| 83 | Xieng Khouang | Morkmay | B. Numyiem | WS | RH | NK | Fair | Yes | No | Yes | No | No |
| 84 | Xieng Khouang | Morkmay | B. Phadaeng | BD | NC | Over 4 | Good | Yes | No | No | No | No |

ANNEX 3 SUB-PROJECT INSPECTION PHOTOGRAPHS