

Poverty Reduction Fund III (PRF III)

Technical Assessment and Outcomes Survey 2022

Draft Technical Evaluation Report September 2022



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ABBREVIATIONS/ACRONYMS

CFA Community Force Account

Community Managed Sub-projects **CMS**

DRM Disaster Risk Management

MPWT

Ministry of Public Works and Transport
ODK Collect Software for mobile data collection ODK

Poverty Reduction Fund PRF 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 subprojects 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	
1.1 Participatory community and local development planning processes at village and Kum Ban levels 1.2 Provision of sub- grants for the implementation of eligible community infrastructure sub-projects based on Kum Ban Development Plans	2.1 TA to build capacity of Kum Bans and villages to assess their needs and prepare development plans, implement and monitor sub-projects 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 2.3 TA to national Committee for Rural Development and Poverty Eradication to promote participatory rural development coordination with various sector ministries 2.4 Technical and operation assistance for development and implementation of partnerships between PRF and other agencies 2.5 Monitoring and evaluation of the activities of the project	Technical and operational assistance for the day-to-day management of the Project and the carrying out of financial audits.	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 4.2 M&E of the activities including carrying out studies on thematic or operational innovations and participatory assessments of nutrition training.	

This assignment forms part of the activities under Component 2.5 for the evaluation of the subprojects 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
 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 	 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	 Roads (Rehabilitation) Primary Schools (Construction & Rehabilitation) Gravity-fed water supply systems (Construction & Rehabilitation) 	 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
NO.		Road	Water	Irrigation	School	Dispensary	Total
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	Total
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").

rable 2 dab project type and namber									
Туре	Sub-project Type	No. of selected sub-projects							
1	Road	24	29						
2	Gravity-fed water supply	26	31						
3	Irrigation	20	24						

Table 2 Sub-project type and number

4.2 Technical Evaluation Questionnaire/Checklist

Buildings

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.

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Typically, a comparison between the design and the implementation should form part of the subproject technical evaluation. However, it was noted that the technical documentation for the subprojects 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.

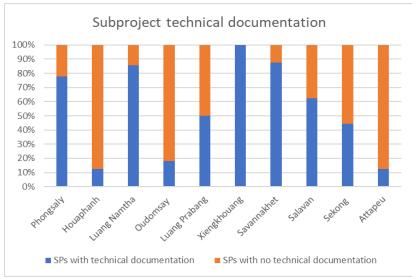


Figure 1 Sub-project technical documentation availability

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.

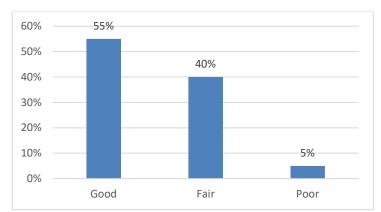


Figure 2 Overall condition of irrigation sub-projects

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.

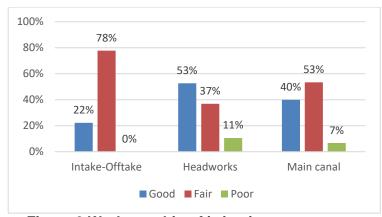


Figure 3 Workmanship of irrigation components

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.

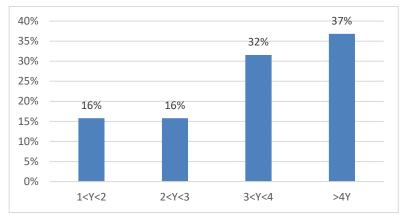


Figure 4 Percentage of evaluated irrigation schemes by age

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.

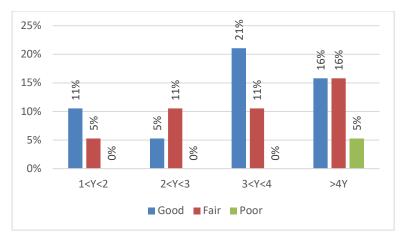


Figure 5 Overall condition of irrigation schemes by age

5.1.4 Fitness for purpose

Eighty-five percent of the schemes assessed are still in operation. The 15% (comprising of 3 subprojects) 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.

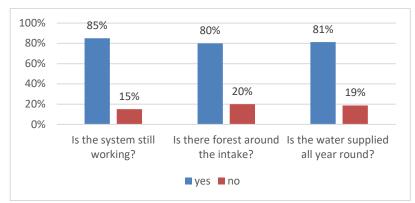


Figure 6 Irrigation system status

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.

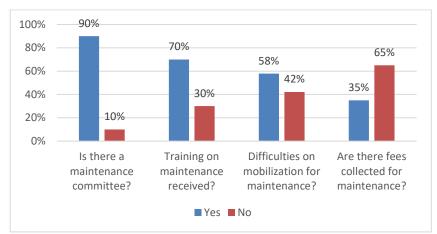


Figure 7 Irrigation maintenance

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.

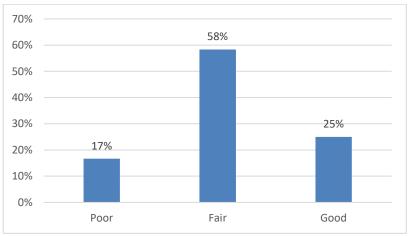


Figure 8 Overall condition of roads

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.

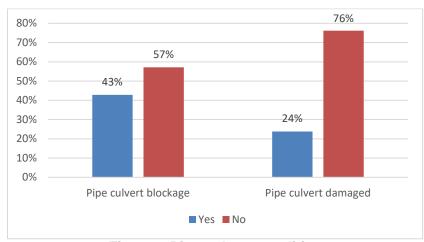


Figure 9 Pipe culvert condition

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.

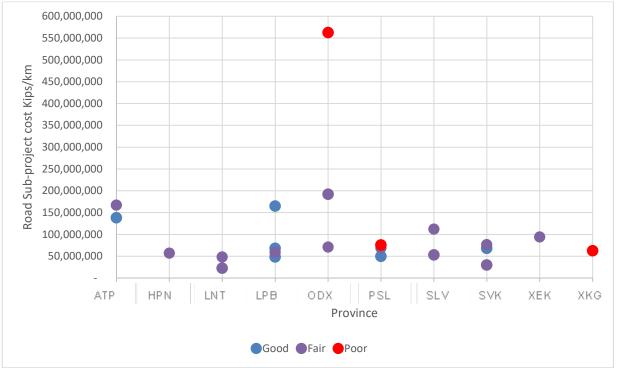


Figure 10 Road condition compared to investment cost

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.

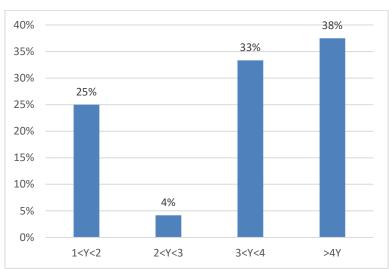


Figure 11 Percentage of road sub-projects evaluated by age

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.

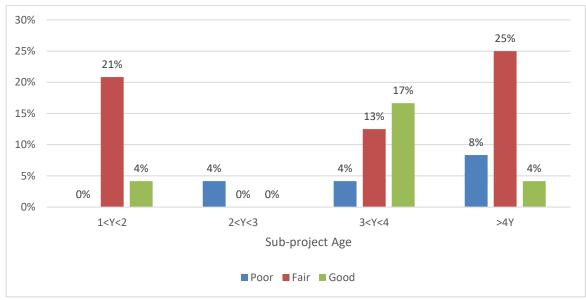


Figure 12 Overall condition of roads by age

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.

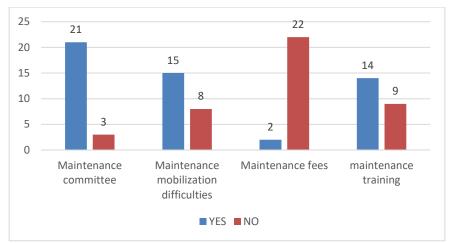


Figure 13 Road maintenance situation

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.

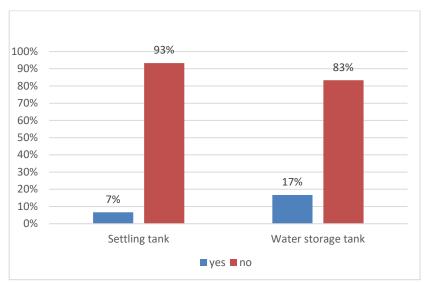


Figure 14 Fencing around water tanks

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.

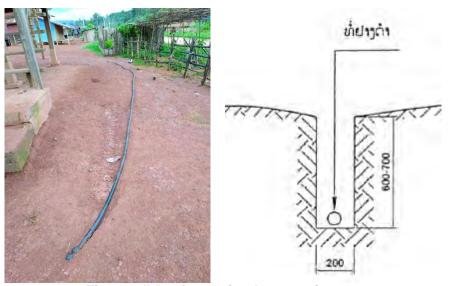


Figure 15 Design vs implementation

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.

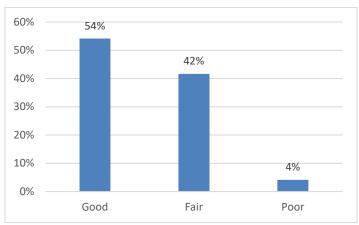


Figure 16 Overall condition of water supply subprojects

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

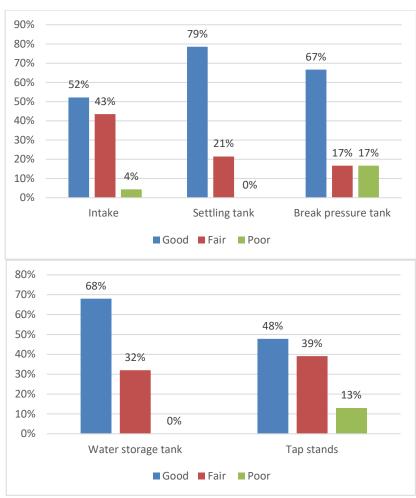


Figure 17 Water supply workmanship

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.

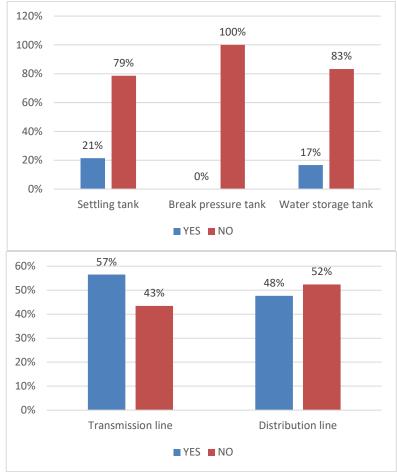


Figure 18 System leakage

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

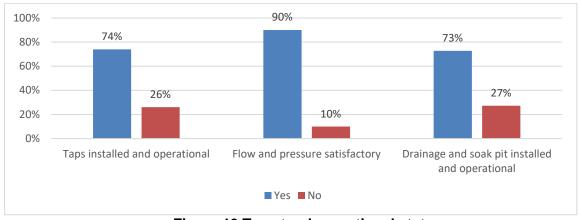


Figure 19 Tap stand operational status

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.

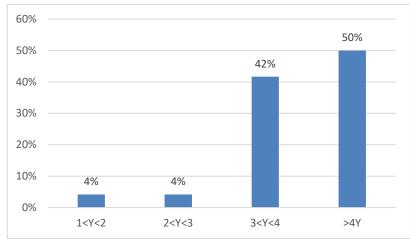


Figure 20 Percentage of water supply system evaluated by age

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

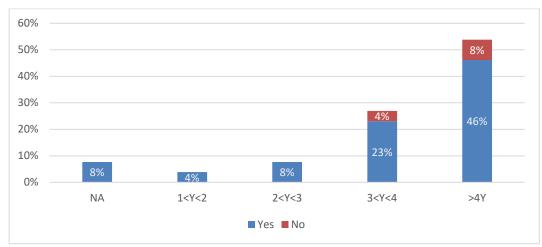


Figure 21 Systems in operation by age

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.

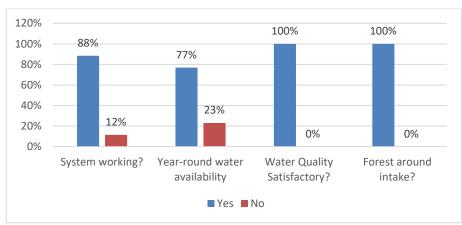


Figure 22 Water supply system status

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.

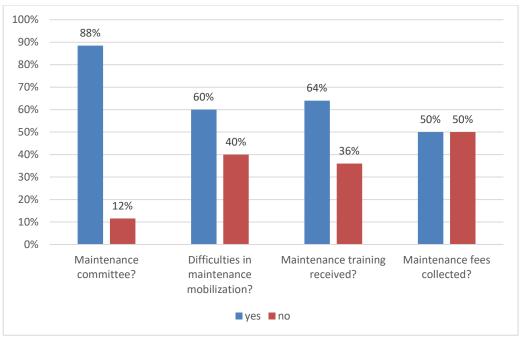


Figure 23 Gravity-fed water supply maintenance

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

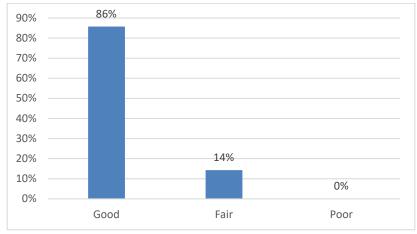


Figure 24 Overall condition of buildings

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

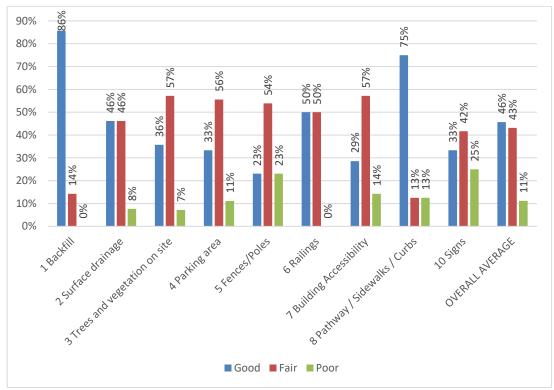


Figure 25 Site works condition

Landscaping works are on average in fair condition.

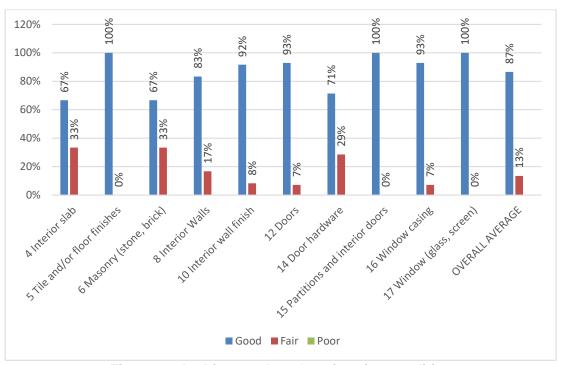


Figure 26 Architectural works – interior condition

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

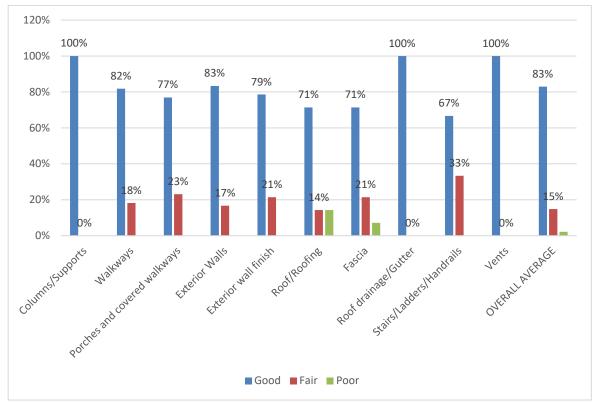


Figure 27 Architectural works - exterior condition

5.4.3 Building sub-project by age

Half of the buildings assessed were over 4 years old.

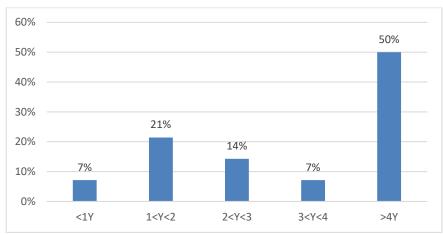


Figure 28 Building sub-projects evaluated by age

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.

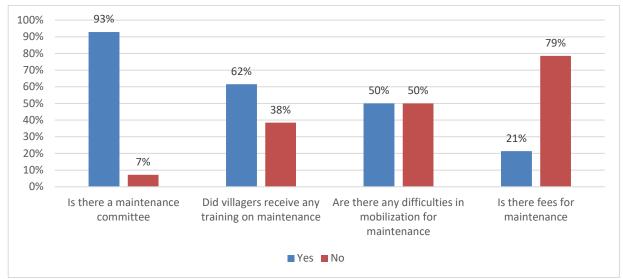


Figure 29 Building maintenance

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.

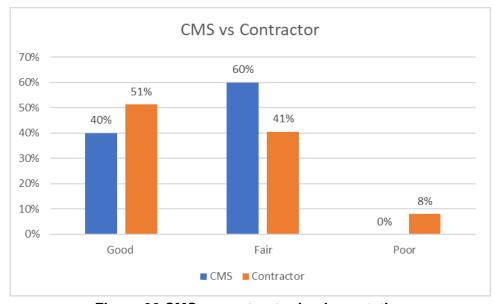


Figure 30 CMS vs contractor implementation

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.

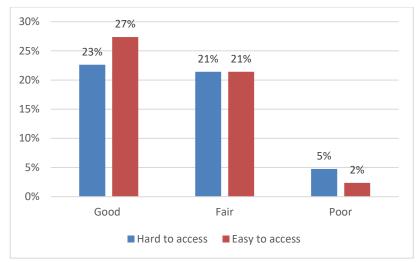


Figure 31 Sub-project accessibility and condition

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 subprojects. 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 (323%) 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 interview	r
Jsername:	
Date] oday	
Goday: / / (I	D/MM/YYYY)
Starttime]	
Start time:	
Endtime]	
e nd End time:	
	1.1 Interviewee
[Interviewee]	
1.1.1 Interviewee nam	?
[Position]	
1.1.2 Occupation/Pos	ion
[Organization] 1.1.3 Organization	
[Telephone] 1.1.4 Telephone num	er
[Photo] Photo of interviewee	f any)
Image:	
	II. Sub-project location

	nly one option:
	P. Attapeu
	P. Houaphan
	P. Louangnamtha
	P. Louangphabang
	P. Oudomxai
	P. Phongsaly
0	P. Salavan
	P. Savannakhet
	P. Xekong
	P. Xiengkhouang
and more	e list of this question (comprising 53 choices) was replaced with a text field due to this question having choice filter han 10 choices.
Other_d	was answered with Other.] cify other district
2.3 Villas	
2.3 Villaş The choice	te list of this question (comprising 132 choices) was replaced with a text field due to this question having choice filter
2.3 Villag The choice and more P. Relevant 2.3 Villag Other_v	t when: ge was answered with Other.
2.3 Villag The choice and more Relevan 2.3 Villa Other_v 2.3.1 Spe	t when: ge was answered with Other.
• Relevan 2.3 Villa [Other_v 2.3.1 Spe	e list of this question (comprising 132 choices) was replaced with a text field due to this question having choice filter han 10 choices. t when: ge was answered with Other. cify other village n_name] nban name on]
P. Relevand 2.3 Village Other v. 2.3.1 Specific Kumbar 2.3.2 Kumbar 2.3.2 Kumbar 2.4 Populat 2.4 Populat Lao_Tai	t when: ge was answered with Other. cify other village name n
• Relevan 2.3 Villa i Other_v 2.3.1 Spe [Kumban 2.3.2 Kun 2.3.2 Kun 2.9 Populat	t when: ge was answered with Other. In name I mban name on I lation Tai

[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 Vi [description] Description [Photo] Take photo Image:

[Cat	egory]	
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 Detail / (DD/MA/VYYYY)		
Date:/ (DD/MM/YYYY) [Cost] 3 Cost of construction (kip)		
[Contractor] 4 Type of Contractors		
Choose only one option:		
Construction companyConstruction company + Villager		
○ Villager		
OMC		
O 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		
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 onl	ly one option:		
	Yes		
	No		
	NA		

[If yes, date of established] 2, If yes, date of established] Date:	• Relevant when: 1 Is there a maintenance committee was answered with Yes.
Date: _/ _ (DD/MMYYYY) - Relevant when: [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, lead, 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: 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 was NOT answered with 0 AND 7. Other roles was NOT answered with ". [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 other role - Relevant when: 3 How many members was NOT answered with 0 AND 3 How many members was NOT answered with ". [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 other role - Relevant when: 3 How many members was NOT answered with 0 AND 3 How many members was NOT answered with ". [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 other role - Relevant when: 1 Is there a maintenance committee - Relevant when: 1 Is the maintenance committee was answered with Yes 1 Is the maintenance committee was answered with Yes 1 Is the maintenance committee was answered with Yes 1 Is the maintenance committee was answered with Yes 1 Is the mainten	
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Choose only one option: Yes No	
○ Yes ○ No	
	O Yes

11 Did villa	gers_receive_any_training_on_maintenance] gers receive any training on maintenance
Choose only	y one option: Yes
0	No
	NA
-	ny_times_have_maintenance_been_carried_out_since_completion_Sc] any times have maintenance been carried out since completion
• Relevant v	
	any times have maintenance been carried out since completion was NOT answered with 0 AND any times have maintenance been carried out since completion was NOT answered with ".
13 Are the	_any_difficulties_in_mobilization_for_maintenance] re any difficulties in mobilization for maintenance y one option:
Choose only	Yes
	No
0	
0	NA
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12 How m	any times have maintenance been carried out since completion was NOT answered with ".
	of_difficulties_in_mobilization_for_maintenance] cof difficulties in mobilization for maintenance
15_ Is ther	ees_for_maintenance_Sc] e fees for maintenance
	y one option:
0	Yes
0	No
0	NA
[if_yes_pri	e fees for maintenance was answered with Yes. ce]
16_ if yes,]	price (kip)
• Relevant v	when: e fees for maintenance was answered with Yes.
[comment_ 16.1_ rema	
	_payment_system_for_OM_Sc] her payment system for O&M? (kip)
	when: her payment system for O&M? (kip) was NOT answered with "AND 17_ and other payment O&M? (kip) was NOT answered with 0.
[comment_ 17.1_ rema	of_O_M] rk of O&M payment

	III.2.6 Safeguards
	orks_in_a_protected_area_Sc] orks in a protected area?
Choose only	one option:
	Yes
	No
	NA
• Relevant w	rhen: orks in a protected area? was answered with Yes.
	at_actions_were_taken_to_avoid_impacts] hat actions were taken to avoid impacts
	orks_affect_any_village_lands_or_personal_property_Sc] orks affect any village lands or personal property
Choose only	•
	Yes
0	No
	NA
[If_yes_wha	when: orks affect any village lands or personal property was answered with Yes. at actions_were_taken_to_avoid_impacts_villagers] hat actions were taken to avoid impacts
[Remark] 3 Remark	
	III.2.7 Disaster Risk
	area_suffer_from_any_natural_disasters_Sc] urea suffer from any natural disasters?
Choose only	
_	Yes
	No
	NA
• Relevant w	rhen:
1 Does the a	area suffer from any natural disasters? was answered with Yes.
	re_these_potential_impacts_considered_in_the_design] ere these potential impacts considered in the design
Choose only	one option:
	Yes
0	No
	NA
[Remark] 2 Remark	

III.2.8 PRF (Training)

	ny_trainings_were_provided_by_PRF_Sc] ny trainings were provided by PRF
• Relevant	when:
1 How ma	any trainings were provided by PRF was NOT answered with 0 AND 1 How many trainings were
provided b	y PRF was NOT answered with ".
	uld_you_rate_these_trainings]
	uld you rate these trainings
Choose on	ly one option: excellent
	good
	fair
	poor
	very bad
	NA NA
	INA .
[Remark] 3 Remark	
4 Were tra	ined_villagers_able_to_carry_out_the_activities_they_were_trained_to_do_Sc] ined villagers able to carry out the activities they were trained to do ly one option: Yes No NA
• Relevant 4 Were tra [if_not_wl 4.1 If not,	nined villagers able to carry out the activities they were trained to do was answered with No. hy]
5 Were the	re_any_follow_up_trainings_provided_Sc] ere any follow -up trainings provided ly one option: Yes No NA
• Relevant 5 Were the	when: ere any follow -up trainings provided was answered with Yes.
	ow_many_Time_Year] how many (Time/Year)
[Remark_ 6 Remark	
	III.2 Technical

III.2.1_ Site works

Backfill Backfill	
Choose on	aly one option:
	Good
	Fair
0	Poor
0	NA
[comment of the comm	
Relevant Backfil	when: was NOT answered with NA.
[Photo_B Photo_Ba	
Image:	CKIII
mage.	
[Surface_	drainage l
2 Surface	
Choose on	lly one option:
	Good
0	Fair
	Poor
	NA
• Relevant	when:
2 Surface	drainage was NOT answered with NA.
[Photo Si	urface_drainage]
	rface drainage
Image:	
	d_vegetation_on_site]
3 Trees ar	nd vegetation on site
	lly one option:
	Good
0	Fair
0	Poor
	NA
Γ	
[commen	
Comii	
• Relevant	when:
3 Trees as	nd vegetation on site was NOT answered with NA.
	rees_and_vegetation_on_site]
	ees and vegetation on site
Image:	

[Parking_a	
4 Parking	
	ly one option: Good
0	
0	Fair
0	Poor
	NA
[commented 4.1 Comm	
• Relevant 4 Parking	when: area was NOT answered with NA.
[Photo_Par	rking_area] rking area
Image:	
[Fences_P 5 Fences/P	oles
	ly one option:
0	Good
0	Fair
0	Poor
	NA
5.1 Comm • Relevant	when:
[Photo_Fe	Poles was NOT answered with NA. nnces Poles]
Photo_Fen	ices/Poles
Image:	
[Railings] 6 Railings	
	ly one option:
0	Good
0	Fair
0	Poor
	NA
[commente	
• Relevant 6 Railings	when: was NOT answered with NA.
[Photo_Rai	
Image:	

Choose of	nly one option:
	Good
	Fair
	Poor
0	NA
[commer	
• Relevan	t when:
	ng Accessibility was NOT answered with NA.
	Building_Accessibility_] uilding Accessibility
8 Pathwa	/_Sidewalks_Curbs] ny / Sidewalks / Curbs nly one option:
	Good
	Fair
0	Poor
	NA
[commer 8.1 Comm	nt8]
• Relevan	t when: ay / Sidewalks / Curbs was NOT answered with NA.
• Relevan 8 Pathwa [Photo_P Photo_Pathwa [Photo_Pathwa] Photo_Pathwa [Photo_Pathwa	t when:
• Relevan • Relevan • Photo_P • Photo_P • Image:	t when: ay / Sidewalks / Curbs was NOT answered with NA. Pathway Sidewalks Curbs athway / Sidewalks / Curbs athway / Sidewalks / Curbs
• Relevan • Relevan 8 Pathwa Fraction of the second of	t when: ay / Sidewalks / Curbs was NOT answered with NA. Pathway _ Sidewalks _ Curbs] athway / Sidewalks / Curbs Steps]
Relevan Releva	t when: ay / Sidewalks / Curbs was NOT answered with NA. Pathway Sidewalks Curbs athway / Sidewalks / Curbs Steps Steps
• Relevan • Relevan • Photo_P • Photo_P • Stairs_S • Stairs_S • Choose o	t when: ay / Sidewalks / Curbs was NOT answered with NA. Pathway_Sidewalks_Curbs] athway / Sidewalks / Curbs Steps ally one option: Good
• Relevan • Relevan 8 Pathwa I Photo_Pa Image: [Stairs_S 9 Stairs/S Choose o	t when: ay / Sidewalks / Curbs was NOT answered with NA. Pathway_Sidewalks_Curbs] athway / Sidewalks / Curbs Steps ally one option: Good Fair
• Relevan • Relevan 8 Pathwa [Photo_Pathwa [Stairs_S 9 Stairs/S Choose o	t when: ay / Sidewalks / Curbs was NOT answered with NA. Pathway_Sidewalks_Curbs] athway / Sidewalks / Curbs Steps ally one option: Good Fair Poor
• Relevan • Relevan 8 Pathwa [Photo_Pathwa : [Stairs_S 9 Stairs/S Choose o	t when: ay / Sidewalks / Curbs was NOT answered with NA. Pathway_Sidewalks_Curbs] athway / Sidewalks / Curbs Steps ally one option: Good Fair
• Relevan • Relevan 8 Pathwa [Photo_Pathwa et al. Photo_Pathwa et al. [Stairs_S 9 Stairs/S Choose o	t when: ay / Sidewalks / Curbs was NOT answered with NA. Pathway_Sidewalks_Curbs] athway / Sidewalks / Curbs Steps anly one option: Good Fair Poor NA
• Relevan • Relevan 8 Pathwa [Photo_P: Photo_P: Image: [Stairs_S 9 Stairs/S Choose o	t when: ay / Sidewalks / Curbs was NOT answered with NA. Pathway Sidewalks _ Curbs] athway / Sidewalks / Curbs Steps ally one option: Good Fair Poor NA att9] nent
• Relevan • Relevan 8 Pathwa [Photo_P: Photo_P: Image: [Stairs_S 9 Stairs/S Choose o	t when: ay / Sidewalks / Curbs was NOT answered with NA. Pathway Sidewalks _ Curbs] athway / Sidewalks / Curbs Steps ally one option: Good Fair Poor NA att9] nent
• Relevan • Relevan 8 Pathwa [Photo_Pathwa et al., and the service of the ser	t when: ty / Sidewalks / Curbs was NOT answered with NA athway / Sidewalks / Curbs athway / Sidewalks / Curbs Steps Steps Steps Ood Fair Poor NA att att

[Signs] 10 Signs Choose only one option: Good Fair Poor 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: Good Fair Poor 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: Good Fair Poor NA
• Relevant when: 12 Other, specify was NOT answered with ". [Other_items3] 13 Other, specify

• Relevan	t when: s, specify was NOT answered with ".
1	ther_items3} nly one option:
Choose of	
	Good
	Fair
	Poor
	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:					
Backfill					
Surface drainage					
Trees and vegetation on site					
Parking area					
Fences/Poles					
Railings					
Building Accessibility					
Pathway / Sidewalks / Curbs					
Stairs/Steps					
Signs					
other					
• Relevant when: Photo type was answered with other.					
[other_ph]					
Specify other					
[Photo]					
Take photo					
Image:					

III.2.2_ Architectural work

[Colum 1 Colum	ns_Supports] ans/Supports
Choose	only one option:
	Good
	Fair
	Poor
	NA

Comi	nent
• Relevan	t when:
1 Colum	ns/Supports was NOT answered with NA.
	Columns_Supports] plumns/Supports
Image:	- Francisco - Fran
[Walkwa	
	nly one option:
	Good
	Fair
0	Poor
	NA
[commen	
	was NOT answered with NA. Walkways]
3 Porches	and_covered_walkways] s and covered walkways
3 Porches	s and covered walkways nly one option:
Choose or	s and covered walkways nly one option: Good
Choose on	s and covered walkways nly one option: Good Fair
Choose or	s and covered walkways nly one option: Good
Choose of	s and covered walkways nly one option: Good Fair Poor NA
Choose of Choose	s and covered walkways nly one option: Good Fair Poor NA tt4] nent t when:
Choose of Choose	s and covered walkways nly one option: Good Fair Poor NA
Choose of Choose	s and covered walkways nly one option: Good Fair Poor NA tt4] nent t when:
Choose of Choose	s and covered walkways nly one option: Good Fair Poor NA tt4] ment t when: s and covered walkways was NOT answered with NA. Porches_and_covered_walkways]
Choose of Choose	s and covered walkways nly one option: Good Fair Poor NA tt4] ment t when: s and covered walkways was NOT answered with NA. Porches_and_covered_walkways]
Choose of Choose	s and covered walkways nly one option: Good Fair Poor NA tt4] ment t when: s and covered walkways was NOT answered with NA. corches_and_covered_walkways] orches and covered walkways slab]
Choose of Choose	s and covered walkways nly one option: Good Fair Poor NA tt4] ment t when: s and covered walkways was NOT answered with NA. corches_and_covered_walkways] orches and covered walkways slab]
Choose of Choose	s and covered walkways nly one option: Good Fair Poor NA nt4] nent t when: s and covered walkways was NOT answered with NA. Porches_and_covered_walkways] orches and covered walkways orches and covered walkways orches and covered walkways
Choose of Choose	s and covered walkways nly one option: Good Fair Poor NA tt 4] nent t when: s and covered walkways was NOT answered with NA orches_and_covered_walkways orches and covered walkways
Choose of Choose	sand covered walkways nly one option: Good Fair Poor NA nut4] nent t when: s and covered walkways was NOT answered with NA. Porches_and_covered_walkways] orches and covered walkways slab] r slab nly one option: Good

[comment		
• Relevant	when: slab was NOT answered with NA.	
	terior_slab] erior_slab	
Image:		
	_or_floor_finishes] /or floor finishes	
Choose on	ly one option:	
	Good	
0	Fair	
0	Poor	
	NA	
[comment		
[Photo_Ti	/or floor finishes was NOT answered with NA. le_and_or_floor_finishes]	
Photo_Til Image:	e and/or floor finishes	
Image: [Masonry 6 Masonry Choose on	_stone_brick] y (stone, brick) ly one option:	
Masonry 6 Masonry Choose on	_stone_brick] y (stone, brick) ly one option: Good	
[Masonry 6 Masonry Choose on	stone_brick] y (stone, brick) ly one option: Good Fair	
Image: [Masonry 6 Masonry Choose on	_stone_brick] y (stone, brick) ly one option: Good Fair Poor	
[Masonry 6 Masonry Choose on	stone_brick] y (stone, brick) ly one option: Good Fair	
Image: [Masonry 6 Masonry Choose on	stone_brick] y (stone, brick) ly one option: Good Fair Poor NA	
[Masonry 6 Masonry Choose on [comment 6.1 Comm	_stone_brick] y (stone, brick) ly one option: Good Fair Poor NA 8]	
[Masonry 6 Masonry Choose on [comment 6.1 Comm 6 Masonry	stone_brick] y (stone, brick) ly one option: Good Fair Poor NA 8] tent when: y (stone, brick) was NOT answered with NA. asonry_stone_brick]	
[Masonry 6 Masonry Choose on [comment 6.1 Comm 6 Masonry	stone_brick] y (stone, brick) ly one option: Good Fair Poor NA 8] sent when: y (stone, brick) was NOT answered with NA.	
[Masonry 6 Masonry Choose on [comment 6.1 Comm Relevant 6 Masonr	stone_brick] y (stone, brick) ly one option: Good Fair Poor NA 8] when: y (stone, brick) was NOT answered with NA. asonry_stone_brick] stonery (stone, brick) Walls]	
[Masonry 6 Masonry Choose on Choose on Relevant 6 Masonr [Photo_Masonr [Photo_Masonr [Photo_Masonr [Photo_Masonr [Exterior_7 Exterior_7	stone_brick] y (stone, brick) ly one option: Good Fair Poor NA 8] when: y (stone, brick) was NOT answered with NA. asonry_stone_brick] stonery (stone, brick) Walls]	
[Masonry 6 Masonr Choose on [comment 6.1 Comm Photo_Masonr [Photo_Masonr [Photo_Masonr [Exterior 7 Exterior Choose on	stone_brick] y (stone, brick) ly one option: Good Fair Poor NA 8] when: y (stone, brick) was NOT answered with NA. asonry_stone_brick] ssonry (stone, brick) Walls] Walls y one option: Good	
[Masonry 6 Masonry Choose on	_stone_brick] y (stone, brick) ly one option: Good Fair Poor NA 8] when: y (stone, brick) was NOT answered with NA. asonry_stone_brick] ssonry (stone, brick) Walls] Walls	
[Masonry 6 Masonr Choose on [comment 6.1 Comm Photo_Masonr [Photo_Masonr [Photo_Masonr [Exterior 7 Exterior Choose on	stone_brick] y (stone, brick) ly one option: Good Fair Poor NA 8] when: y (stone, brick) was NOT answered with NA. asonry_stone_brick] ssonry (stone, brick) Walls] Walls y one option: Good	

[commen 7.1 Comn	
Relevant	when:
7 Exterio	r Walls was NOT answered with NA.
	xterior_Walls]
_	terior Walls
Image:	
[Interior_ 8 Interior	
	ly one option:
0	Good
0	Fair
0	Poor NA
	NA .
[commen 8.1 Comm	
Relevant	when:
	Walls was NOT answered with NA.
	nterior_Walls]
	terior Walls
Image:	
[Exterior	_wall_finish]
	r wall finish
Choose or	lly one option:
	Good
	Fair
0	Poor
	NA
[commen	
• Relevant	
9 Exterio	r wall finish was NOT answered with NA.
[Photo F	xterior_wall_finish]
	terior wall finish
Image:	
6	
	wall_finish] or wall finish
	aly one option:
Choose or	Good
0	Fair
	Poor
0	NA NA

[comment 10.1 Comment	
• Relevant	when: r wall finish was NOT answered with NA.
[Photo_Int	terior_wall_finish] erior wall finish
Image:	
[Insulation	
	ly one option:
0	Good
0	Fair Poor
	NA NA
[comment 11.1 Comr	
• Relevant	when: ion was NOT answered with NA.
[Photo_Ins	
Image:	
[Doors] 12 Doors	
Choose on	ly one option: Good
	Fair
	Poor
	NA
[comment 12.1 Comm	14] ment
• Relevant 12 Doors	when: was NOT answered with NA.
[Photo_Do	
Image:	
[Door_jan 13 Door ja	
	ly one option:
0	Good
0	Fair Poor
	Poor NA
	1

[comment	
• Relevant 13 Door j [Photo_D	am was NOT answered with NA.
Photo_Do	
Image:	
[Door_ha 14 Door h	
Choose on	ly one option:
	Good
	Fair
	Poor
	NA
[comment	
[Photo_D	when: nardware was NOT answered with NA. oor_hardware] or hardware
Image:	
15 Partiti	s_and_interior_doors] ons and interior doors ly one option:
Choose of	Good
	Fair
	Poor
	NA
[comment 15.1 Com	
Relevant	when:
	ons and interior doors was NOT answered with NA.
	artitions_and_interior_doors] rtitions and interior doors
Image:	and metror doors
image.	
[Window 16 Windo	
	ly one option:
0	Good
0	Fair
0	Poor
	NA

[comment		
• Relevant	when: w casing was NOT answered with NA.	
	indow_casing] ndow casing	
Image:		
	glass_screen] w (glass, screen)	
Choose on	ly one option:	
0	Good	
0	Fair	
0	Poor	
0	NA	
[comment		
• Relevant	when: w (glass, screen) was NOT answered with NA.	
	'indow_glass_screen] ndow (glass, screen)	
Image:	(g.n.o., sereen)	
Image:		
Image: [Roof_Roof/R	ofing] oofing	
Image: [Roof_Roof/R	ofing]	
Image: [Roof_Ro 18 Roof/R Choose on	ofing] oofing ly one option:	
Image: [Roof_Ro 18 Roof/R Choose on	ofing] oofing ly one option: Good	
Image: [Roof_Ro 18 Roof/R Choose on	ofing] oofing ly one option: Good Fair	
Image: [Roof_Ro 18 Roof/R Choose on	ofing] oofing ly one option: Good Fair Poor NA	
[Roof_Ro 18 Roof/R Choose on [comment 18.1 Com • Relevant	ofing] oofing ly one option: Good Fair Poor NA 20]	
[Roof_Roof/Roose on	ofing] oofing ly one option: Good Fair Poor NA 20] ment	
[Roof_Roof/Roose on	ofing] oofing ly one option: Good Fair Poor NA 20] ment when: Roofing was NOT answered with NA.	
[Roof_Ro 18 Roof/R Choose on [comment 18.1 Com • Relevant [Photo_Ro Photo_Ro	ofing] oofing ly one option: Good Fair Poor NA 20] ment when: Roofing was NOT answered with NA.	
[Roof_Ro 18 Roof/R Choose on [comment 18.1 Com 18 Roof/I [Photo_Ro Image: [Fascia] 19 Fascia	ofing] oofing ly one option: Good Fair Poor NA 20] ment when: Roofing was NOT answered with NA.	
[Roof_Roof_Roof_Roof_Roof_Roof_Roof_Roof	oofing] oofing ly one option: Good Fair Poor NA 20] ment when: Roofing was NOT answered with NA. oof_Roofing] of/Roofing	
[Roof_Ro 18 Roof/R Choose on [comment 18.1 Comment 18 Roof/I [Photo_Ro Photo_Ro Image: [Fascia] 19 Fascia Choose on	orfing] oofing ly one option: Good Fair Poor NA 20] ment when: Roofing was NOT answered with NA. pof_Roofing] of/Roofing ly one option: Good Fair	
[Roof_Roof_Roof_Roof_Roof_Roof_Roof_Roof	oofing] oofing ly one option: Good Fair Poor NA 20] ment when: Roofing was NOT answered with NA. oof_Roofing] of/Roofing	

[commen	
• Relevan	
19 Fascia	was NOT answered with NA.
[Photo_Fa	
Image:	
	ainage_Gutter] Irainage/Gutter
	nly one option:
	Good
0	Fair
0	Poor
	NA
[commen	
• Relevan	t when:
20 Roof	drainage/Gutter was NOT answered with NA.
EDI - D	
	.oof_drainage_Gutter] oof drainage/Gutter
Image:	
C	
[Ceiling] 21 Ceiling	
	nly one option:
	Good
0	Fair
0	Poor
0	NA
[commen	t23] ment
• Relevan	t when:
	g was NOT answered with NA.
[Photo_C	
Photo_Co	ciling
Image:	
[Attic_ac 22 Attic a	
	nly one option:
O O	Good
0	Fair
	Poor
	NA

[commen 22.1 Com	
22.1 Com	ment
Relevant	when:
	was NOT answered with NA.
	ttic_access]
	tic access
Image:	
	adders_Handrails] Ladders/Handrails
Choose or	lly one option: Good
	Fair
	Poor
	NA NA
	1.44
Гаанг	206.1
commen	
23.1 Com	ment
Relevant	
23 Stairs	Ladders/Handrails was NOT answered with NA.
D14 - C	Action 1 addison 11 addison 11 addison 11 a
	tairs_Ladders_Handrails] airs/Ladders/Handrails
Image:	an sy zaddet sy ffandi ans
image.	
[Vents]	
24 Vents	
	aly one option:
	Good
0	Fair
0	Poor
	NA NA
	144
Г	2001
[commen 24.1 Com	
24.1 Com	ment
Relevant	when:
	was NOT answered with NA.
[Photo_V	
Photo_Ve	nts
Image:	
[Other AV	V_items1]
25 Other,	

• Relevant	when:
25 Other, s	specify was NOT answered with ".
[OtherAW] 25.1 \${Oth	_items_1] erAW_items1}
Choose onl	y one option:
	Good
	Fair
	Poor
	NA
• Relevant v 25 Other, s [OtherAW 26 Other, s	specify was NOT answered with "items2]
[OtherAW]	specify was NOT answered with ".
Choose onl	y one option:
	Good
	Fair
	Poor
	NA
• Relevant v 26 Other, s [OtherAW 27 Other, s	specify was NOT answered with "items3]
• Relevant v	when: specify was NOT answered with ".
[OtherAW] 27.1 \${Oth	_items_3] erAW_items3}
	y one option:
0	Good
0	Fair
0	Poor
	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					
Specify other					
[Photo]					
Take photo					
Image:					

III.2.3_ Mechanical work

1	[Water_su	umly Sc l	_
	1 Water si		
	Choose on	ly one option:	
		Good	
		Fair	
		Poor	
		NA	
·			1

[commen	
• Relevant	when:
1 Water s	upply was NOT answered with NA.
	/ater_supply_Sc]
	ater supply
Image:	
	Water_tap] /Water tap
	ly one option:
0	Good
0	Fair
0	Poor NA
[commen 2.1 Comm	
• Relevant	
2 Faucets	Water tap was NOT answered with NA.
	aucets_Water_tap]
	ucets/Water tap
Image:	
[Toilet] 3 Toilet	
3 Toilet Choose or	ally one option:
3 Toilet Choose or	Good
Choose or	Good Fair
3 Toilet Choose or	Good
3 Toilet Choose or	Good Fair Poor NA
Choose or	Good Fair Poor NA 13]
Choose or	Good Fair Poor NA 13] nent
Choose or [commen 3.1 Comm • Relevant 3 Toilet [Photo_Tellor	Good Fair Poor NA t3] nent when: was NOT answered with NA.
Choose or	Good Fair Poor NA t3] nent when: was NOT answered with NA.
Choose or [commen 3.1 Comm • Relevant 3 Toilet [Photo_Tellor	Good Fair Poor NA t3] nent when: was NOT answered with NA.
Choose or	Good Fair Poor NA t3] nent when: was NOT answered with NA.
Choose or	Good Fair Poor NA t3] nent when: was NOT answered with NA.
Toilet Choose or Cho	Good Fair Poor NA t3] nent when: was NOT answered with NA.
Toilet Choose or Choose or Choose or Relevant Toilet [Photo_To Photo_To Image: [Sinks] 4 Sinks Choose or	Good Fair Poor NA 13] nent when: was NOT answered with NA. oilet] illet ally one option: Good
3 Toilet Choose or	Good Fair Poor NA t3] nent when: was NOT answered with NA. poilet] ilet Good Fair
Toilet Choose or Choose or Choose or Relevant Toilet [Photo_To Photo_To Image: [Sinks] 4 Sinks Choose or	Good Fair Poor NA 13] nent when: was NOT answered with NA. oilet] illet ally one option: Good

	[comment4] 4.1 Comment					
	Relevant when: 4 Sinks was NOT answered with NA.					
	[Photo_Sinks] Photo_Sinks					
Image:						
[Hangers] 5 Hangers						
	ly one option:					
0	Good					
	Fair					
	Poor NA					
	IVI .					
[comment 5.1 Comm						
• Relevant 5 Hangers	when: s was NOT answered with NA.					
[Photo_Ha						
Image:						
	per_dispenser] aper dispenser					
	ly one option:					
0	Good					
	Fair					
	Poor NA					
	INA .					
[comment 6.1 Comm						
	• 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:						
	Good					
0						
	Poor					
	O NA					

comment	7]
• Relevant	when:
	rains was NOT answered with NA.
	oor_drains]
Photo_Flo	or drains
Image:	
Fixtures_8 Fixtures	
	ly one option:
	Good
	Fair
	Poor
	NA
Relevant 8 Fixtures	when: was NOT answered with NA.
Photo_Fix	vtures]
Photo_Fix	
Image:	
	ter_system]
9 West wat	ter system
9 West was Choose onl	ter system ly one option:
9 West was Choose onl	ter system ly one option: Good
9 West was	ter system ly one option: Good Fair
9 West was	ter system ly one option: Good Fair Poor
9 West was	ter system ly one option: Good Fair
9 West was	ter system ly one option: Good Fair Poor NA
O West was Choose onl Choose onl Choose onl Choose onl Choose onl Choose onl	ter system ly one option: Good Fair Poor NA 9] tent
O West was Choose onl Choose onl Choose onl Choose onl Choose onl Choose onl	ter system ly one option: Good Fair Poor NA
9 West was Choose onl	ter system ly one option: Good Fair Poor NA 9] tent when: ater system was NOT answered with NA.
9 West was Choose onl	ter system ly one option: Good Fair Poor NA 9] tent
9 West was Choose onl	ter system ly one option: Good Fair Poor NA 9] tent when: ater system was NOT answered with NA. fest_water_system]
Photo_West was [Choose onl Choose onl	ter system ly one option: Good Fair Poor NA 9] tent when: ter system was NOT answered with NA. (est_water_system] test water system C_items1]
Photo_West was Photo_West West West West West West West West	ter system ly one option: Good Fair Poor NA 9] tent when: ter system was NOT answered with NA. (est_water_system] test water system C_items1]

• Relevant	when:
10 Other,	specify was NOT answered with ".
[OtherMC	
	erMC_items1}
	y one option:
0	Good
0	Fair
	Poor
	NA
• Relevant	when:
10 Other,	specify was NOT answered with ".
[OtherMC	
11 Other, s	pecify
• Relevant	
11 Other,	specify was NOT answered with ".
[Oth onMC	itama 21
[OtherMC	erMC_items2}
	_ ·
Choose onl	y one option: Good
0	Fair
0	Poor
	NA
• Relevant	
11 Other,	specify was NOT answered with ".
F 0.4 - MG	2. 2.1
[OtherMC 12 Other, s	
12 Other, s	респу
. D -1	
• Relevant	when: specify was NOT answered with ".
12 Other,	was NOT answered with .
[OtherMC	items 31
	erMC_items3}
Choose onl	y one option:
	Good
	Fair
	Poor
	NA NA
	INA .

Mechanical works photo

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

Mc [Photo_type_Mech1] Photo type Choose only one option: Water supply Faucets/Water tap Toilet Sinks Hangers Toilet paper dispenser Floor drains Fixtures West water system Other • Relevant when: Photo type was answered with Other. [other_ph] Specify other [Photo] Take photo Image:	Question	Element 1	Element 2	Element 3	Element 4	Element 5
Photo type Choose only one option: Water supply Faucets/Water tap Toilet Sinks Hangers Toilet paper dispenser Floor drains Fixtures West water system Other • Relevant when: Photo type was answered with Other [other_ph] Specify other	Mc					
Water supply Faucets/Water tap Toilet Sinks Hangers Toilet paper dispenser Floor drains Fixtures West water system Other • Relevant when: Photo type was answered with Other. [other_ph] Specify other	Photo type					
Faucets/Water tap Toilet Sinks Hangers Toilet paper dispenser Floor drains Fixtures West water system Other • Relevant when: Photo type was answered with Other. [other_ph] Specify other						
Toilet Sinks Hangers Toilet paper dispenser Floor drains Fixtures West water system Other • Relevant when: Photo type was answered with Other. [other_ph] Specify other						
Hangers Toilet paper dispenser Floor drains Fixtures West water system Other • Relevant when: Photo type was answered with Other. [other_ph] Specify other						
Toilet paper dispenser Floor drains Fixtures West water system Other • Relevant when: Photo type was answered with Other [other_ph] Specify other [Photo] Take photo	Sinks					
Floor drains Fixtures West water system Other • Relevant when: Photo type was answered with Other. [other_ph] Specify other [Photo] Take photo	Hangers					
Fixtures West water system Other • Relevant when: Photo type was answered with Other. [other_ph] Specify other [Photo] Take photo	Toilet paper dispenser					
West water system Other • Relevant when: Photo type was answered with Other. [other_ph] Specify other [Photo] Take photo	Floor drains					
• Relevant when: Photo type was answered with Other [other_ph] Specify other [Photo] Take photo	Fixtures					
• Relevant when: Photo type was answered with Other. [other_ph] Specify other [Photo] Take photo	West water system					
Photo type was answered with Other. [other_ph] Specify other [Photo] Take photo	Other					
Take photo	Photo type was answered with Other. [other_ph]					
	Take photo					

III.2.4 Electrical work

[Electric	al_service]
1 Electri	cal service
Choose o	only one option:
	Good
	Fair
	Poor
	NA
1.1 Com	menf
• Relevar	nt when: ical service was NOT answered with NA.
	Electrical_service] lectrical service
Image:	

[Switches	
2 Switche	s
Choose or	nly one option:
	Good
	Fair
	Poor
	NA
	144
г	
[comment	[2]
2.1 Comm	TO THE STATE OF TH
Relevant	when
	when was NOT answered with NA.
2 Switch	was not answered with Intr.
[Photo_S	witches]
Photo_Sw	
Image:	
-	
[Intories	Lighting 1
[Interior_ 3 Interior	
	aly one option:
Choose on	Good
	Fair
	Poor
	NA
3.1 Comn	
• Relevant	
3 Interior	Lighting was NOT answered with NA.
[Dhoto Ir	otariar Lighting]
	terior_Lighting] terior Lighting
Image:	
mage.	
[Sidelight	
4 Sideligh	
Choose on	lly one option:
	Good
0	Fair
0	Poor
	NA
[commen	
4.1 Comn	icit
. D -1-	
• Relevant	
4 Sideligi	hts was NOT answered with NA.
[Photo_Si	idelights]
Photo_Sic	lelights
Image:	

	nly one option:
	Good
	Fair
	Poor
	NA
commen	
Relevan	t when:
5 Sensors	s was NOT answered with NA.
Photo_Se mage:	
	_panel_fuse_boxes] r panel/fuse boxes
Choose or	nly one option:
	Good
	Fair
0	Poor
0	
commen	nent
commen 6.1 Commen 6.1 Relevan 6 Breake	t t when:
Relevante Breake Photo_Breake Photo_Breake Fixtures Fixtures Fixture	t when: r panel/fuse boxes was NOT answered with NA. creaker_panel_fuse_boxes] reaker panel/fuse boxes ly one option: Good
Relevante 6 Breake Photo_Br Image: Fixtures Choose or	t when: r panel/fuse boxes was NOT answered with NA. reaker_panel_fuse_boxes] reaker panel/fuse boxes s aly one option: Good Fair
Relevante Breaker Photo_Brimage:	t when: r panel/fuse boxes was NOT answered with NA. treaker_panel_fuse_boxes] reaker panel/fuse boxes Samply one option: Good Fair Poor
Relevan: 6 Breake Photo_Br mage: Fixtures Choose or	t when: r panel/fuse boxes was NOT answered with NA. reaker_panel_fuse_boxes] reaker panel/fuse boxes s aly one option: Good Fair
Relevante Breaker Photo_Brimage:	t when: r panel/fuse boxes was NOT answered with NA. sreaker_panel_fuse_boxes] reaker panel/fuse boxes second Fair Poor NA 17] nent NA 18 NA NA 19 NA NA 10 NA 11 NA 11 NA 12 NA 13 NA 14 NA 15 NA 16 NA 17 NA 18 NA 19 NA 10 NA 11 NA 11 NA 12 NA 13 NA 14 NA 15 NA 16 NA 17 NA 17 NA 18 NA 19 NA 10 NA 11 NA 11 NA 12 NA 13 NA 14 NA 15 NA 16 NA 17 NA 18 NA 19 NA 10 NA 11 NA 12 NA 13 NA 14 NA 15 NA 16 NA 17 NA 18 NA 19 NA 10 NA 11 NA 12 NA 13 NA 14 NA 15 NA 16 NA 17 NA 18 NA 18 NA 19 NA 10 NA 10 NA 11 NA 12 NA 13 NA 14 NA 15 NA 16 NA 17 NA 18 NA 18 NA 19 NA 10 NA 10 NA 10 NA 11 NA 12 NA 13 NA 14 NA 15 NA 16 NA 17 NA 18 NA
Relevante Brown Britanness Photo Britanness Frixtures Frixture Choose of Comments Photo Britanness Photo Bri	t when: r panel/fuse boxes was NOT answered with NA. reaker_panel_fuse_boxes reaker_panel/fuse boxes reaker_panel/fuse boxes good Fair Poor NA t when: s was NOT answered with NA. ixtures

	ly one option: Good
	Fair
	Poor
	NA NA
	141
commen	
Relevant	when: ing was NOT answered with NA.
Photo_G	rounding] ounding
mage:	
OtherEL Other, s	
Relevant	when: specify was NOT answered with ".
9.1 \${Oth	_items_1] erEL_items1}
	ly one option:
	Good
0	Good Fair
0	Good Fair Poor
0	Good Fair Poor NA
Relevant	Good Fair Poor NA when: specify was NOT answered with ".
Relevant 9 Other, s OtherEL 0 Other,	Good Fair Poor NA when: specify was NOT answered with ". when: specify was NOT answered with ".
Relevant 9 Other, s OtherEL 0 Other, CotherEL 0.1 \${OtherEL}	Good Fair Poor NA when: specify was NOT answered with ". items2] specify when: specify was NOT answered with ". items2] sherEL_items2}
Relevante 9 Other, s OtherEL Other, Relevante 10 Other, OtherEL OtherEL OtherEL OtherEL OtherEL	Good Fair Poor NA when: specify was NOT answered with ". items2] specify when: specify was NOT answered with ". items2] herEL_items2} lly one option:
Relevant 9 Other, s OtherEL 0 Other, Relevant 10 Other, OtherEL 10.1 \${OtherEL} 10.1 \${OtherEL	Good Fair Poor NA when: specify was NOT answered with ". items2] specify when: specify was NOT answered with ". items2] specify was NOT answered with ". items2] herEL_items2} ly one option: Good
Relevant 9 Other, CotherEL 10 Other, CotherEL 10.1 \${OtherEL} Choose or	Good Fair Poor NA when: specify was NOT answered with ". items2] specify when: specify was NOT answered with ". items2] specify litems2] herEL_items2} sly one option: Good Fair
Relevant 9 Other, s CotherEL 10 Other, OtherEL 10.1 \${Ott	Good Fair Poor NA when: specify was NOT answered with ". items2] specify when: specify was NOT answered with ". items_2] herEL_items2} sly one option: Good Fair Poor
Relevant 9 Other, s OtherEL 0 Other, CotherEL 0.1 \${OtherEL} Choose or	Good Fair Poor NA when: specify was NOT answered with ". items2] specify when: specify was NOT answered with ". items2] specify litems2] herEL_items2} sly one option: Good Fair

• Relevan	t when: specify was NOT answered with ".
[OtherEL	_items_3]
11.1 \${Ot	herEL_items3}
Choose or	nly one option:
	Good
	Fair
0	Poor
0	NA

Electrical works photo

Question	Element 1	Element 2	Element 3	Element 4	Element 5
El					
[photo_type_Eletric] Photo type					
Choose only one option:					
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	
	te of construction
Date: /	/ (DD/MM/YYYY)
• Relevant	
1 Start da	te of construction is greater than 0.
F.C. 1.4	D (D1)
	eDate_Rd] tion date of construction
_	
Date:/	/ (DD/MM/YYYY)
[Cost Rd	1
	construction (kip)
[Contract	
4 Type of	Contractors
Choose on	ly one option:
	Construction company
	Construction company + Villager
	Villager
0	OMC
	RMG
	Other (specify)
 Relevant 	when:
Detail A	ddress]
4.2 Detail	Address of contractor
	f_work_of_RehabConstruction]
_	f work of Rehab/Construction
Choose on	ly one option:
	New Construction
	Rehabilitation
	f_work_in_detail]
5 Scope of	f work in detail
	IV.11 Maintenance
Is there	a_road_maintenance_committee_Rd]
	a maintenance committee
Choose on	ly one option:
	Yes
	No
	NA NA
	11/1
D -1	
Relevant	
1 Is there	a maintenance committee was answered with Yes.
If vec A	ate_of_established]
	date of established
Date:/	/ (DD/MM/YYYY)

	when: a maintenance committee was answered with Yes.
	ny_members_Rd] ny members
[No_of_he	when: my members was NOT answered with 0 AND 3 How many members was NOT answered with ". and of committee_role] mead of committee role
[No_of_tre	when: my members was NOT answered with 0 AND 3 How many members was NOT answered with ". easurer_role] reasurer role
[No_of_ca	when: my members was NOT answered with 0 AND 3 How many members was NOT answered with " are_taker_role] are taker role
	iny members was NOT answered with 0 AND 3 How many members was NOT answered with ". ther_role_Rd]
[Number_o	oles was NOT answered with 0 AND 7_Other roles was NOT answered with ".
[Number_o	when: my members was NOT answered with 0 AND 3 How many members was NOT answered with " of_female_committee] r of female committee
[Did_comr	when: a maintenance committee was answered with Yes. mittee_members_receive_any_training] nmittee members receive any training
Choose onl	y one option:
	Yes
0	No
	No NA

Choose on	<u> </u>
	Yes
	No
	NA
	ny_times_have_maintenance_been_carried_out_since_completion_Rd] any times have maintenance been carried out since completion
Relevant	when:
12 How n	nany times have maintenance been carried out since completion was NOT answered with 0 AND
12 How n	nany times have maintenance been carried out since completion was NOT answered with ".
3 Are the	e_any_difficulties_in_mobilization_for_maintenance] ere any difficulties in mobilization for maintenance ly one option: Yes
	No
0	NA
Relevant	when:
	nany times have maintenance been carried out since completion was NOT answered with 0 AND
	nany times have maintenance been carried out since completion was NOT answered with ".
12 110W II	was two t answered with .
4 Remar	of_difficulties_in_mobilization_for_maintenance] k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance
Is_there_ Is_ Is the Choose on	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes
Is there_	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes No
Is_there_ Is_ Is the Choose on	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes
Is_there_ Choose on	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes No NA
Is_there_ Is_ Is the Choose on Relevant	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes No NA
Is_there_ 15_ Is the Choose on Relevant 15_ Is the	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes No NA when: we fees for maintenance was answered with Yes .
Is_there_ Is_ Is the Choose on Relevant 15_ Is the if_yes_pi 16_ if yes,	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes No NA when: re fees for maintenance was answered with Yes. rice] price (kip)
Is_there_ Is_ts_there_ Is_Is thee Choose on Relevant Is_Is the If_yes_pi Relevant	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes No NA when: re fees for maintenance was answered with Yes. rice] price (kip)
Is_there_ Is_Is the Choose on Relevant Is_Is the if_yes_pi Relevant Is_Is the Choose on	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes No NA when: re fees for maintenance was answered with Yes . rice] price (kip) when: re fees for maintenance was answered with Yes .
Is_there_ Is_there_ Is_Is the Choose on Relevant 15_Is the if_yes_pr Is_the Choose on Relevant Is_Is the if_yes_pr Is_the	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes No NA when: re fees for maintenance was answered with Yes. rice] price (kip) when: re fees for maintenance was answered with Yes.
Is_there_ Is_ts the Choose on Relevant 15_Is the if_yes_pi Relevant 15_Is the comment 15_Is the	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re_fees for maintenance ly one option: Yes No NA when: re_fees for maintenance was answered with Yes. rice] price (kip) when: re_fees for maintenance was answered with Yes. of_fee] ark of fee r_payment_system_for_OM_Rd] ther payment system for O&M? (kip)
Is there Is Is there Is Is the Choose on Relevant Is Is the If yes pr Is Is the Is If yes, Relevant Is Is the Is Comment Is Is the Is and othe Relevant Is Relevant Is Relevant Is Relevant Is Relevant Is Relevant Is Relevant	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re_fees for maintenance ly one option: Yes No NA when: re_fees for maintenance was answered with Yes. rice] price (kip) when: re_fees for maintenance was answered with Yes.
Is_there_ Is_ts_there_ Is_Is thee Choose on Relevant Is_Is the if_yes_pi Is_the Relevant Is_Is the comment Is_Is the Relevant Is_Is the Relevant Is_Is the Relevant Is_Is_the Relevant Is_Is_the Relevant Is_Is_the	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re_fees for maintenance ly one option: Yes No NA when: re_fees for maintenance was answered with Yes. rice] price (kip) when: re_fees for maintenance was answered with Yes.
Is_there_ Is_ts_there_ Is_Is_there_ Is_Is_there_ Choose on PRelevant Is_Is_there Is_there_ Is_there_ Is_there_ Is_there Is_there_	k of difficulties in mobilization for maintenance fees_for_maintenance_Rd] re fees for maintenance ly one option: Yes No NA when: re fees for maintenance was answered with Yes. rice] price (kip) when: re fees for maintenance was answered with Yes.

IV.12 Safeguards

JHOOSE OF	ly one option:
	Yes Yes
	No
0	NA
• Relevan	when
	works in a protected area? was answered with Yes.
F * 0	
	what actions_were_taken_to_avoid_impacts] 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 or	ly one option:
	Yes
	No
	NA
• Relevan	when:
2 Did the	works affect any village lands or personal property was answered with Yes.
	'hat_actions_were_taken_to_avoid_impacts_villagers]
2.1 If ves	
•	what actions were taken to avoid impacts
,	what actions were taken to avoid impacts
[Remark]
]
[Remark	
[Remark 3 Remark	IV.13 Disaster Risk
[Remark 3 Remark	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd]
[Remark 3 Remark	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters?
[Remark 3 Remark [Does_th 1 Does th	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? tly one option:
[Remark 3 Remark [Does_th 1 Does th	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? lly one option: Yes
[Remark 3 Remark [Does_th 1 Does th Choose or	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? aly one option: Yes No NA
[Remark 3 Remark 1 Does_th 1 Does th Choose of	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? aly one option: Yes No NA when:
[Remark 3 Remark 1 Does_th 1 Does th Choose of	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? aly one option: Yes No NA
[Remark 3 Remark 3 Remark 4 1 Does the Choose of the Relevan 1 Does t	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? aly one option: Yes No NA when:
[Remark 3 Remark 1 Does the Choose of the C	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? lly one option: Yes No NA when: e area suffer from any natural disasters? was answered with Yes.
[Remark 3 Remark 1 Does th 1 Does th Choose of Relevan 1 Does tl [If yes_1 1.1 If yes_1	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? tly one option: Yes No NA when: e area suffer from any natural disasters? was answered with Yes. vere_these_potential_impacts_considered_in_the_design]
[Remark 3 Remark 1 Does th 1 Does th Choose of Relevan 1 Does tl [If yes_1 1.1 If yes_1	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? lly one option: Yes No NA when: he area suffer from any natural disasters? was answered with Yes. were_these_potential_impacts_considered_in_the_design] were these potential impacts considered in the design
[Remark 3 Remark 1 Does th 1 Does th 1 Does th 1 Does th 1 Lifyes th 1 Lifyes th	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? lly one option: Yes No NA when: he area suffer from any natural disasters? was answered with Yes. were_these_potential_impacts_considered_in_the_design] were these potential impacts considered in the design lly one option:
[Remark 3 Remark 3 Remark 1 Does th 1 Does th 1 Does th 2 Does th 1 Lif yes 2 Choose or	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? lly one option: Yes No NA when: he area suffer from any natural disasters? was answered with Yes. were_these_potential_impacts_considered_in_the_design] were these potential impacts considered in the design lly one option: Yes
[Remark 3 Remark 3 Remark 4 Remark 4 3 Remark 4 Remark 4 3 Remark 4 3 Remark 4 3 Remark 4 Remark 4 3 Remark 4 Rem	IV.13 Disaster Risk e_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? lly one option: Yes No NA when: he area suffer from any natural disasters? was answered with Yes. rere_these_potential_impacts_considered_in_the_design] were these potential impacts considered in the design lly one option: Yes No
[Remark 3 Remark 3 Remark 4 Remark 4 3 Remark 4 Remark 4 3 Remark 4 3 Remark 4 3 Remark 4 Remark 4 3 Remark 4 Rem	IV.13 Disaster Risk p_area_suffer_from_any_natural_disasters_Rd] e area suffer from any natural disasters? lly one option: Yes No NA when: the area suffer from any natural disasters? was answered with Yes. vere_these_potential_impacts_considered_in_the_design] were these potential impacts considered in the design lly one option: Yes No NA
[Remark 3 Remark 3 Remark 1 Does th 1 Does th 1 Does th 1 Does th 1 Lif yes. Choose of	IV.13 Disaster Risk parea_suffer_from_any_natural_disasters_Rd] parea suffer from any natural disasters? lly one option: Yes No NA when: parea suffer from any natural disasters? was answered with Yes. where these potential_impacts_considered_in_the_design] were these potential impacts considered in the design lly one option: Yes No NA

IV.14 PRF (Training)

	trainings_were_provided_by_PRF_Rd] v trainings were provided by PRF
• Relevant	
	y trainings were provided by PRF was NOT answered with 0 AND 1 How many trainings were
provided b	PRF was NOT answered with ".
	d_you_rate_these_trainings] d you rate these trainings
Choose on	one option:
	excellent
	good
	fair
	poor
	very bad
	NA .
Remark]	
Were tr	ed_villagers_able_to_carry_out_the_activities_they_were_trained_to_do_Rd] ned villagers able to carry out the activities they were trained to do one option:
	Yes
	No
	NA
if_not_w	
Were the Choose on	_any_follow_up_trainings_provided_Rd] e any follow -up trainings provided one option:
	Yes
	No
	NA .
Relevant	hen:
	e any follow -up trainings provided was answered with Yes.
	/_many_Time_Year] ow many (Time/Year)
Remark_6 Remark	
	IV.2 Technical-1 (Terrain)
	Road terrain photo
	Question Element 1 Element 2 Element 3 Element 4 Element 5

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

	Terrain data
[terrain] 1 Type of	Road terrain
Choose or	ne or more options:
	Flat
	Rolling
	Mountainous
[type] 2 Road ty	тре
Choose or	ne or more options:
	Earth roads
	Gravel roads
	Bituminous roads
	Asphalt roads
	Concrete roads
[width_m 4 Road w	ngth(km)
	Road condition nly one option:
Choose of	Good
	Fair
	Poor
0	NA
[Remark 6 Remark] c of road condition

IV.3 Technical-2 (Ride)

```
[ 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 (%)
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 (%)
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)
5 Min. Vertical Curve (m) was NOT answered with 0 AND 5 Min. Vertical Curve (m) was NOT answered
[ 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 s	tability Protection type]
	tability Protection type
Choose or	ne or more options:
	Riprap
	Masonry
	Gabion
	Reinforcedconcrete
	NA
• Relevan	t when:
9 Slope s	stability Protection type was NOT answered with 0 AND 9 Slope stability Protection type was
NOT ansv	wered with ".
	Slope_stability_Protection_type]
Photo_Sl	ope stability Protection type
Image:	
Remark	protection]
	rk 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:					
Max. Profile gradient (%)					
Crossfall (%)					
Max. Superelevation (%)					
Max. Cut slope (V/H)					
Min. Vertical Curve (m)					
Min. Horizontal Curve (m)					
Road reserve (m)					
Max. fill slope (V/H)					
Slope stability Protection type					
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)

	ly one option:
	V-shape
	U-shape
	NA
D 1	
Relevant	when: uinage Shape was NOT answered with NA.
1 Side dia	mage shape was not answered with 1711.
	de_drainage_Shape]
Photo_Sid	le drainage Shape
mage:	
	inage_type] inage type
noose on	ly one option: Earth
0	Riprap
0	Masonry
0	Concrete
	NA
Relevant	when:
2 Side dra	ninage type was NOT answered with NA.
Photo Si	de_drainage_type]
	le drainage type
	ie urumuge type
mage:	
8	
8	
	ipeCulvert]
No_of_Pi	ipeCulvert] of Pipe culvert
No_of_Pi	
No_of_Pi	of Pipe culvert
No_of_Pi 3 Number	when:
No_of_Pi 3 Number	of Pipe culvert
No_of_Pi 3 Number Relevant 3 Number	when:
No_of_Pi B Number Relevant 3 Number with 0.	when: of Pipe culvert was NOT answered with " AND 3 Number of Pipe culvert was NOT answered
Relevant 3 Number with 0.	when: of Pipe culvert was NOT answered with " AND 3 Number of Pipe culvert was NOT answered Pipe_culvert]
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	eture_cracking]
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	tructure cracking? was answered with Yes.
[Photo_Ou	tlet_structure_cracking] let structure cracking ?
	f_Pipe_culvert] of Pipe culvert

Road - Pipe culvert photo-1 Element | Element | Element | Element Question **Rd-Pipe culvert** [photo_type_pipe_culvert] Photo type Choose only one option: Side drainage Shape • Relevant when: Photo type was answered with Answer "other" not [other_ph] Specify other [Photo] Take photo Image: IV.6 Technical-4.2 (Drainage - box culvert) [No_of_BoxCulvert] 1 Number of Box culvert • Relevant when: 1 Number of Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered with 0. [Type_of_Box_culvert] 2 Type of Box culvert Choose only one option: Concrete Masonry NA • Relevant when: 2 Type of Box culvert was NOT answered with NA. [Photo_Type_of_Box_culvert] Photo_Type of Box culvert Image:

• Relevant	when:
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	of Box_culvert] of Box culvert ?
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Choose on	y one option: Yes
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	NA NA
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5 Blockag	e of Box culvert? was answered with Yes.
	ckage_of_Box_culvert] ckage of Box culvert ?
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	ockage_of_Outlet_structure_Box] ckage of Outlet structure ?
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with 0. [Box_culvert_cracking_Box] 8 Box_culvert_cracking? Choose only one option: Yes No 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.Box] 9 Inlet structure_cracking.Box No NA Relevant when: 9 Inlet structure cracking? was answered with Yes. [Photo_Inlet_structure_cracking.Box] Photo_Inlet_structure_cracking? Image: Relevant when: 9 Inlet structure_cracking.Box] Photo_Inlet_structure_cracking.Box] Photo_Inlet_structure_cracking.Box] Photo_Inlet_structure_cracking? Image:	1 NT 1	
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Choose only one option: Yes No	• Relevant 9 Inlet str [Photo_In	when: ucture cracking? was answered with Yes. let_structure_cracking_Box]
YesNo	• Relevant 9 Inlet str 1 Photo_Inlet 9 Inlet str 1 Photo_Inlet • Relevant 1 Number with 0. 1 Outlet_st	when: ucture cracking? was answered with Yes. let_structure_cracking_Box] et structure cracking? when: of Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered ructure_cracking_Box]
	Photo_Inle Photo_Inle Image: Relevant 1 Number with 0. [Outlet_st	when: ucture cracking? was answered with Yes. let_structure_cracking_Box] et structure cracking? when: of Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure_cracking_Box] structure_cracking?
O NA	Photo_Inlemage: • Relevant 9 Inlet str 1 Photo_Inlemage: • Relevant 1 Number with 0. [Outlet_st 10 Outlet st 10 Outlet Choose on	when: ucture cracking? was answered with Yes. let_structure_cracking_Box] et structure cracking? when: rof Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure_cracking_Box] structure_cracking? ly one option: Yes
	• Relevant 9 Inlet str 9 Inlet str 1 Photo_Inlet Image: • Relevant 1 Number with 0. 1 Outlet_st 10 Outlet Choose on	when: ucture cracking? was answered with Yes. let_structure_cracking_Box] et structure cracking? when: of Box culvert was NOT answered with "AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure_cracking. ly one option: Yes No
	• Relevant 9 Inlet str 1 Photo_Inlet 1 Number with 0. [Outlet_st 10 Outlet str	when: ucture cracking? was answered with Yes. let_structure_cracking_Box] when: of Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure cracking? ly one option: Yes No NA
• Relevant when:	• Relevant 9 Inlet str 1 Photo_Inlet • Relevant 1 Number with 0. 1 Outlet str Choose on • Relevant	when: ucture cracking? was answered with Yes. let_structure_cracking_Box] when: of Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure_cracking? ly one option: Yes No NA when:
• Relevant when: 10 Outlet structure cracking? was answered with Yes.	• Relevant 9 Inlet str 1 Photo_Inlet • Relevant 1 Number with 0. 1 Outlet str Choose on • Relevant	when: ucture cracking? was answered with Yes. let_structure_cracking_Box] when: of Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure_cracking? ly one option: Yes No NA when:
10 Outlet structure cracking? was answered with Yes.	• Relevant 9 Inlet str 1 Photo_Inlet • Relevant 1 Number with 0. 10 Outlet_st 10 Outlet • Relevant 10 Outlet	when: when: when: when: of Box culvert was NOT answered with "AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure_cracking_Box] structure_cracking_Box] structure_cracking ? ly one option: Yes No NA when: structure_cracking ? was answered with Yes .
10 Outlet structure cracking? was answered with Yes. [Photo_Outlet_structure_cracking_Box]	• Relevant 9 Inlet str 1 Photo_Inlet • Relevant 1 Number with 0. 1 Outlet str 10 Outlet str • Relevant 1 Outlet str • Relevant 1 Photo_Outlet • Relevant 1 Photo_Outlet • Relevant	when: ucture cracking? was answered with Yes. let structure cracking_Box] et structure cracking? when: of Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure cracking? ly one option: Yes No NA when: structure cracking? was answered with Yes. utlet_structure_cracking_Box]
10 Outlet structure cracking? was answered with Yes. [Photo_Outlet_structure_cracking_Box] Photo_Outlet structure cracking?	• Relevant 9 Inlet str 1 Photo_Inlet 1 Number 1 Number 1 Outlet str 10 Outl	when: ucture cracking? was answered with Yes. let structure cracking_Box] et structure cracking? when: of Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure cracking? ly one option: Yes No NA when: structure cracking? was answered with Yes. utlet_structure_cracking_Box]
10 Outlet structure cracking? was answered with Yes. [Photo_Outlet_structure_cracking_Box] Photo_Outlet structure cracking?	• Relevant 9 Inlet str 1 Photo_Inlet • Relevant 1 Number with 0. 1 Outlet str 10 Outlet str • Relevant 1 Outlet str • Relevant 1 Photo_Outlet • Relevant 1 Photo_Outlet • Relevant	when: ucture cracking? was answered with Yes. let structure cracking_Box] et structure cracking? when: of Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure cracking? ly one option: Yes No NA when: structure cracking? was answered with Yes. utlet_structure_cracking_Box]
10 Outlet structure cracking? was answered with Yes. [Photo_Outlet_structure_cracking_Box] Photo_Outlet structure cracking?	• Relevant 9 Inlet str 1 Photo_Inlet 1 Number 1 Number 1 Outlet str 10 Outl	when: ucture cracking? was answered with Yes. let structure cracking_Box] et structure cracking? when: of Box culvert was NOT answered with " AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure cracking? ly one option: Yes No NA when: structure cracking? was answered with Yes. utlet_structure_cracking_Box]
10 Outlet structure cracking? was answered with Yes. [Photo_Outlet_structure_cracking_Box] Photo_Outlet structure cracking? Image:	• Relevant 9 Inlet str 1 Photo_Inlet Image: • Relevant 1 Number 1 Number 10 Outlet_st 10 Outlet	when: ucture cracking? was answered with Yes. let_structure_cracking_Box] et structure cracking? when: of Box culvert was NOT answered with "AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure cracking? ly one option:
10 Outlet structure cracking? was answered with Yes. [Photo_Outlet_structure_cracking_Box] Photo_Outlet structure cracking? Image: [Remark_of_Box_culvert]	• Relevant 9 Inlet str 1 Photo_Inlet Image: • Relevant 1 Number with 0. 10 Outlet_st 10 Outlet 10 Outlet 10 Outlet 10 Outlet Image:	when: ucture cracking? was answered with Yes. let_structure_cracking_Box] et structure cracking? when: of Box culvert was NOT answered with "AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure_cracking_Box] structure cracking? ly one option: Yes No NA when: structure_cracking? was answered with Yes. utlet_structure_cracking.Box] titet structure_cracking? itlet structure_cracking?
10 Outlet structure cracking? was answered with Yes. [Photo_Outlet_structure_cracking_Box] Photo_Outlet structure cracking? Image:	• Relevant 9 Inlet str 1 Photo_Inlet Image: • Relevant 1 Number with 0. 10 Outlet_st 10 Outlet 10 Outlet 10 Outlet 10 Outlet Image:	when: ucture cracking? was answered with Yes. let_structure_cracking_Box] et structure cracking? when: of Box culvert was NOT answered with "AND 1 Number of Box culvert was NOT answered ructure_cracking_Box] structure_cracking_Box] structure cracking? ly one option: Yes No NA when: structure_cracking? was answered with Yes. utlet_structure_cracking.Box] titet structure_cracking? itlet structure_cracking?

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)

Bridge photo

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

Bridge data

[No_of_bridge]

1 Number of bridge

[Total_length_m]
2 Total length (m)

	nly one option:					
	Good					
0	Fair					
0	Need to repair					
0	NA					
	_of_Bridge] k of Bridge					
		V.8 Technic	al-6 (Potho	oles damag	ge)	
		Pothol	les damage	photo		
	Question	Element 1	Element 2	Element 3	Element 4	Element 5
	o] ohoto					
	_damage_TimePerYea survey and estimate	ar]	a - Potholes e (Time per year			
Visual	potholes repair]					
Type_of	potholes repair					
Type_of Type of Choose or	potholes repair	mnanv				
Type_of Type of Choose on	rpotholes repair nly one option: By maintenance co					
Type_of Type of Choose or	rotholes repair nly one option: By maintenance co By road maintenance					
Type_of Type of Choose or	rpotholes repair nly one option: By maintenance co					
Type_of	Protholes repair Inly one option: By maintenance co By road maintenan Other					

	nly one option:
	Yes
	No
0	NA
All suit	able_material_used_for_filling_as_specified] able material used for filling as specified nly one option:
	Yes
	No
	NA
	oil_and_pavements_material_well_compacted]
Earth,	
Earth,	oil_and_pavements_material_well_compacted] soil and pavements material well compacted nly one option:
Earth,	oil_and_pavements_material_well_compacted] soil and pavements material well compacted nly one option: Yes

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	Element 1	Element 2	Element 3	Element 4	Element 3
Image:					

Data - Single post Traffic sign

	ost_traffic_sign_Retroreflectivity_good] ost traffic sign Retroreflectivity good
Choose on	ly one option:
	Yes
	No
	NA

	sign_need_mainte					
	sign need mainte	nance				
Choose of	nly one option: Remove sign					
	Replace sign					
	NA					
	1771					
Relevan	t when:					
1 Single	post traffic sign R	etroreflectivity good	d was NOT ansv	wered with NA		
TE CC						
	sign_post_need_to sign post need to					
	nly one option:					
	Replace post					
	Level post					
	NA					
	,					
Remark]					
Remar	k					
		Double po	ost Traffic	sign photo		
	Question	Double po	ost Traffic Element 2	sign photo	Element 4	Element :
		_			I	Element :
	Question affic sign	_			I	Element :
Tr	affic sign	_			I	Element :
Tr	affic sign	_			I	Element :
Tr	affic sign	_			I	Element :
Tr [descri	affic sign iption]	_			I	Element :
Tr [descri	affic sign iption] iption	_			I	Element :
Tr [description of the content of t	affic sign iption] iption	_			I	Element
Tr [descri	affic sign iption] iption	_			I	Element :
Tr [description of the content of t	affic sign iption] iption	_			I	Element :
Tr [description of the content of t	affic sign iption] iption	_			I	Element :
Tr [description of the content of t	affic sign iption] iption	_			I	Element :
Tr [description of the content of t	affic sign iption] iption	_			I	Element
Tr [description of the content of t	affic sign iption] iption	Element 1	Element 2	Element 3	Element 4	Element
Tr [description of the content of t	affic sign iption] iption	Element 1		Element 3	Element 4	Element
Tr [description of the content of t	affic sign iption] iption	Element 1	Element 2	Element 3	Element 4	Element
Tr [description of the content of	affic sign iption] iption D] ohoto	Data - Do Retroreflectivity_ge	uble post T	Element 3	Element 4	Element :
Tr [description of the content of	affic sign iption] iption D] ohoto	Data - Do	uble post T	Element 3	Element 4	Element
Tr [description of the content of	affic sign iption] iption D] Ohoto post_traffic_sign_ post traffic sign Inly one option:	Data - Do Retroreflectivity_ge	uble post T	Element 3	Element 4	Element
Tr [descri Descri [Photo Take Image	post_traffic_sign_post traffic sign_ply one option:	Data - Do Retroreflectivity_ge	uble post T	Element 3	Element 4	Element
Tr [description of the content of	affic sign iption] iption D] Ohoto post_traffic_sign_ post traffic sign Inly one option:	Data - Do Retroreflectivity_ge	uble post T	Element 3	Element 4	Element

	ign_need_maintenance] sign need maintenance
	ally one option:
	Remove sign
	Replace sign
	NA
	141
[Remark 8 Remark	
his is the e Road asses	
	V. Water Supply V1. Construction
StartDate	V. Water Supply V.1_ Construction
l Start dat	V. Water Supply V.1_ Construction
Oate:/_ Relevant	V. Water Supply V.1_ Construction Ws] e of construction _/(DD/MM/YYYY)
Date:/_ PRelevant	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0.
Date:/_ PRelevant of Start dat Complete	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0.
Date:/_ PRelevant 1 Start dat Complete Complete Complete	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0.
Pate:/_ Pate:/_ Pate:/_ Pate:/_ Complete Pate:/_ Cost]	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0. Date] on date of construction
Pate:/_ Pate:/_ Pate:/_ Pate:/_ Complete Comp	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0. Date] on date of construction _/ (DD/MM/YYYY) onstruction (kip)
Pate:/_ Pate:/_ Pate:/_ Pate:/_ Pate:/_ Complete Complete Complete Complete Cost] Cost] Cost of c	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0. Date] on date of construction _/ (DD/MM/YYYY) onstruction (kip)
Pate:/_ Pate:/_ Pate:/_ Pate:/_ Pate:/_ Complete Complete Complete Complete Cost] Cost] Cost of c	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0. Date] on date of construction _/ (DD/MM/YYYY) onstruction (kip)
PRelevant of Complete Complete Complete Complete Cost Cost Cost of Cos	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0. Date] on date of construction _/ (DD/MM/YYYY) construction (kip) g_Ws] contractors y one option:
Relevant 1 Start dat Relevant 2 Relevant 2 Complete Complete 2 Complete Cost] Cost] Cost of c Contracto Type of C Choose onl	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0. Date] on date of construction _/ (DD/MM/YYYY) construction (kip) g_Ws] contractors y one option: Construction company
Relevant Relevant Relevant Relevant Complete Complete Complete Cost] Cost of c	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0. Date] on date of construction _/ (DD/MM/YYYY) construction (kip) T_Ws] contractors y one option: Construction company Construction company + Villager
Relevant Relevant Start dat Complete Complete Complete Complete Cost] Cost of c	V. Water Supply V.1_ Construction Ws] e of construction _/ (DD/MM/YYYY) when: e of construction is greater than 0. Date] on date of construction _/ (DD/MM/YYYY) construction (kip) T. Ws] contractors y one option: Construction company Construction company + Villager Villager
Relevant 1 Start dat Complete 2 Complete Cost] Cost of c Contracto Type of C Choose onl	V.1_Construction Villager OMC

• 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
V.7 Maintenance
[Is_there_a_road_maintenance_committee_Ws] 1 Is there a maintenance committee
Choose only one option:
O Yes
O No
O 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 v	when: ny members was NOT answered with " AND 3 How many members was NOT answered with 0.
3 How Hid	in members was not answered with 1 in 1100 1 i
	re_taker_role]
6_ No. 01 C	are taker role
• Relevant	when:
3 How ma	ny members was NOT answered with "AND 3 How many members was NOT answered with 0.
[No of otl	her_role_Ws]
7_Other r	
D 1	
• Relevant v	oles was NOT answered with 0 AND 7 Other roles was NOT answered with ".
/_ Other r	was not answered with a first of the was not answered with .
[Number_c	
8_ Number	r of other role
• Relevant	when:
3 How ma	ny members was NOT answered with " AND 3 How many members was NOT answered with 0.
F > Y 1	
	of_female_committee] r of female committee
• Relevant	
1 Is there a	a maintenance committee was answered with Yes.
[Did comr	mittee_members_receive_any_training]
	nmittee members receive any training
	y one option:
0	Yes
0	No NA
	NA
[Did_villas	gers receive any training on maintenance
	agers receive any training on maintenance
Choose onl	y one option:
0	Yes
	No
	NA
	2. 1. 2. 1. 2.1. 2.1. W.1
_	ny_times_have_maintenance_been_carried_out_since_completion_Ws] any times have maintenance been carried out since completion
	v i
• Relevant	
	when: any times have maintenance been carried out since completion was NOT answered with " AND 12
12 How m	
How many	times have maintenance been carried out since completion was NOT answered with " AND 12 times have maintenance been carried out since completion was NOT answered with 0.
How many [Are_there	any times have maintenance been carried out since completion was NOT answered with " AND 12
How many [Are_there 13 Are there Choose only	times have maintenance been carried out since completion was NOT answered with " AND 12 times have maintenance been carried out since completion was NOT answered with 0. **cany_difficulties_in_mobilization_for_maintenance
How many [Are_there 13 Are there Choose onl	times have maintenance been carried out since completion was NOT answered with " AND 12 times have maintenance been carried out since completion was NOT answered with 0.
How many [Are_there 13 Are there Choose only	times have maintenance been carried out since completion was NOT answered with " AND 12 times have maintenance been carried out since completion was NOT answered with 0. any_difficulties_in_mobilization_for_maintenance re any difficulties in mobilization for maintenance y one option:

[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?	12 How m	when:
Remark of difficulties in mobilization for maintenance 14 Remark of difficulties in mobilization for maintenance 15 Is there fees for maintenance Ws 15 Is there fees for maintenance 16 No No No NA 17 Is there fees for maintenance was answered with Yes 18 Is there fees for maintenance was answered with Yes 19 Is there fees for maintenance was answered with Yes 10 If yes, price 11 Is there fees for maintenance was answered with Yes 12 Is there fees for maintenance was answered with Yes 13 Is there fees for maintenance was answered with Yes 14 Is there fees for maintenance was answered with Yes 15 Is there fees for maintenance was answered with Yes 16 Is there fees for maintenance was answered with Yes 17 Ind other payment system for O&M? (kip) was NOT answered with 0 17 Ind other payment system for O&M? (kip) was NOT answered with 0 17 Ind other payment system for O&M? (kip) was NOT answered with 0 18 Ind		any times have maintenance been carried out since completion was NOT answered with " AND 12
Section Sect	How many	times have maintenance been carried out since completion was NOT answered with 0.
15_ Is there fees for maintenance Choose only one option: Yes		
Yes No NA		
No NA Relevant when: 15_Is there fees for maintenance was answered with Yes. Relevant when: 15_Is there fees for maintenance was answered with Yes. 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 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	Choose only	y one option:
Relevant when: 15_ Is there fees for maintenance was answered with Yes . (if yes_price] 16_ 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) 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		Yes
Pelevant when: 15_ Is there fees for maintenance was answered with Yes. Relevant when: 15_ Is there fees for maintenance was answered with Yes. 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) Pelevant 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	<u> </u>	No
It just price to the price of the 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 ". Relevant when:		NA
Relevant when: 15_ Is there fees for maintenance was answered with Yes . [comment_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		
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	• Relevant v	when:
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	15_ Is ther	e fees for maintenance was answered with Yes.
• 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		
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	17_ and ot	her payment system for O&M? (kip) was NOT answered with 0 AND 17_ and other payment O&M? (kip) was NOT answered with ".
[Are_the_works_in_a_protected_area_Ws] 1 Are the works in a protected area? Choose only one option: Yes No		
1 Are the works in a protected area? Choose only one option: Yes No		V.8 Safeguards
Yes No		
O No		
-	1 Are the w	y one option:
O NA	1 Are the w	•
	Choose only	Yes
• Relevant when: 1 Are the works in a protected area? was answered with Yes.	Choose only	Yes No
[If _yes_what_actions_were_taken_to_avoid_impacts] 1.1 If yes, what actions were taken to avoid impacts	1 Are the w	Yes No NA when:

Thoose of	nly one option:
0	Yes
	No
0	NA
Relevan	
2 Did the	e works affect any village lands or personal property was answered with Yes.
	what_actions_were_taken_to_avoid_impacts_villagers] , what actions were taken to avoid impacts
Remark Remarl	
	V.9 Disaster Risk
	v.) Disastel Risk
	e_area_suffer_from_any_natural_disasters_Ws]
Choose or	e area suffer from any natural disasters? nly one option:
Choose or	nly one option: Yes
Choose or	No nly one option: Yes No
Choose or	nly one option: Yes
Choose or	No NA
Choose or	No NA
Relevant	No NA t when: he area suffer from any natural disasters? was answered with Yes.
Relevant 1 Does th	No NA t when: he area suffer from any natural disasters? was answered with Yes. were_these_potential_impacts_considered_in_the_design]
Relevant 1 Does th 1.1 If yes_v	No NA t when: te area suffer from any natural disasters? was answered with Yes. were these potential impacts considered in the design] to were these potential impacts considered in the design
Relevant 1 Does th If yes, v 1.1 If yes,	No NA t when: he area suffer from any natural disasters? was answered with Yes. were these potential impacts considered in the design has one option:
Relevant 1 Does th If yes, Choose on	No NA t when: he area suffer from any natural disasters? was answered with Yes. were_these_potential_impacts_considered_in_the_design] he were these potential impacts considered in the design hly one option: Yes
Relevant 1 Does th If yes_v 1.1 If yes, Choose on	nly one option: Yes No NA t when: the area suffer from any natural disasters? was answered with Yes. were these potential impacts considered in the design and one option: Yes No
Relevant 1 Does th If yes, Choose on	No NA t when: he area suffer from any natural disasters? was answered with Yes. were_these_potential_impacts_considered_in_the_design] he were these potential impacts considered in the design hly one option: Yes
Relevant 1 Does th If yes_v 1.1 If yes, Choose on	No NA t when: te area suffer from any natural disasters? was answered with Yes. were these potential impacts considered in the design lay one option: Yes No NA
Relevant 1 Does th 1 If yes, Choose or	No NA t when: he area suffer from any natural disasters? was answered with Yes. were these potential impacts considered in the design ly one option: Yes No NA NA
Relevant 1 Does th	No NA t when: he area suffer from any natural disasters? was answered with Yes. were these potential impacts considered in the design ly one option: Yes No NA NA

[How_many_trainings_were_provided_by_PRF_Ws]

1 How many trainings were provided by PRF

	any trainings were provided by PRF was NOT answered with 0 AND 1 How many trainings were
nearidad k	any trainings were provided by PRF was NOT answered with 0 AND 1 How many trainings were
provided t	y PRF was NOT answered with ".
	ould_you_rate_these_trainings]
	ould you rate these trainings
Choose on	ly one option: excellent
	good
0	poor
	very bad
0	NA NA
Remark]	
Remark	
Kemark	
Were tra	ined_villagers_able_to_carry_out_the_activities_they_were_trained_to_do_Ws]
	ained villagers able to carry out the activities they were trained to do
hoose on	ly one option: Yes
0	No
	NA
Were_the	ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided aly one option: Yes No
Were_the	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided ere option: Yes
Were_the	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided ere option: Yes No NA
Were_the Were the Choose on	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided ere option: Yes No NA when:
Were_the S Were the Choose on	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided ere option: Yes No NA
Were_the S Were the Choose on Relevant 5 Were the	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided aly one option: Yes No NA when: when: lere any follow -up trainings provided was answered with Yes.
Were_the Were the Choose on Relevant 5 Were th	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided tly one option: Yes No NA when: when: tere any follow -up trainings provided was answered with Yes. ow_many_Time_Year]
Were_the Were the Choose on Relevant 5 Were th	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided aly one option: Yes No NA when: when: lere any follow -up trainings provided was answered with Yes.
Were_the Were the Choose on Relevant Under the University of the second	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided tly one option: Yes No NA when: when: tere any follow -up trainings provided was answered with Yes. ow_many_Time_Year]
Were_the Were_the Were the Choose on Relevant Were th	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided tly one option: Yes No NA when: when: tere any follow -up trainings provided was answered with Yes. ow_many_Time_Year]
Were_the S Were the Choose on Relevant 5 Were th	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided ally one option: Yes No NA when: when: here any follow -up trainings provided was answered with Yes. ow_many_Time_Year] how many (Time/Year)
Relevant 5 Were th 5 Were th	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided ally one option: Yes No NA when: when: here any follow -up trainings provided was answered with Yes. ow_many_Time_Year] how many (Time/Year)
Were_the Were the Were the Relevant Were th	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided ally one option: Yes No NA when: when: here any follow -up trainings provided was answered with Yes. ow_many_Time_Year] how many (Time/Year)
Were_the Were_the Were the Were the Choose on Relevant Were th	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided ally one option: Yes No NA when: when: here any follow -up trainings provided was answered with Yes. ow_many_Time_Year] how many (Time/Year)
Were_the Were the Wer	why? ere_any_follow_up_trainings_provided_Ws] ere any follow -up trainings provided ally one option: Yes No NA when: when: here any follow -up trainings provided was answered with Yes. ow_many_Time_Year] how many (Time/Year)

Water source, weir intake, spring

Type of water source Choose one or more options: stream spring other Relevant when: 1_ Type of water source was answered with other. Other, water source 1_ Type of water source was NOT answered with Answer "NA" not found; Relevant when: 1_ Type of water source was NOT answered with Answer "NA" not found; Photo_Other_water_source Photo_Other_water_source Photo_Other_specify Image: Weir_intake Choose only one option: Yes No No NA Relevant when: 2_ Weir intake was answered with Yes.
Choose one or more options: stream spring other Relevant when: 1_ Type of water source 1.1 Other_water_source 1.1 Other, specify Relevant when: 1_ Type of water source Photo_Other_water_source Photo_Other_water_source Photo_Other, specify Image: [Weir_intake] 2_ Weir intake Choose only one option: Yes No NA
stream spring other Relevant when: 1_ Type of water source was answered with other. Relevant when: 1_ Type of water source I.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 2_ Weir_intake No
spring other Relevant when: 1_ Type of water source was answered with other. 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:
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: Yes No NA
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: Yes No NA
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: Yes
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: Yes
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: Yes
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: Yes
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: Yes
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:
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:
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:
[Photo_Other_water_source] Photo_Other, specify Image: [Weir_intake] 2_Weir intake Choose only one option: Yes No No NA
Photo_Other, specify Image: [Weir_intake] 2_Weir intake Choose only one option: Yes No NA
[Weir_intake] 2_Weir intake Choose only one option: Yes No NA
[Weir_intake] 2_Weir intake Choose only one option: Yes No NA
2_Weir intake Choose only one option: Yes No NA Relevant when:
2_Weir intake Choose only one option: Yes No NA Relevant when:
2_Weir intake Choose only one option: Yes No NA Relevant when:
Choose only one option: Yes No NA Relevant when:
Yes No NA Relevant when:
No NA NA Relevant when:
• Relevant when:
• Relevant when:
[Photo_Weir_intake]
Photo_Weir intake
Image:
[Spring_protection]
3_Spring protection
Choose only one option: Yes
O No
O NA
• Relevant when:
3_ Spring protection was answered with Yes .
[Photo_Spring_protection]
Photo_Spring protection
Image:

Settle tank

[Settle_ta 4_ Settle t	
Choose or	ly one option:
	Yes
	No
0	NA
• Relevant	
4_ Settle	was answered with Yes.
[Waluma	and of Sottle toule]
4.1_ Volume_	m3_of_Settle_tank]
4.1_ VOIU	ite (m3)
Relevant	when:
	tank was answered with Yes .
4_ Settle	was answered with Tes.
[Dimensi	on_of_Settle_tank]
	nsionxm
• Relevant	
4_ Settle	tank was answered with Yes.
[Photo]	
Take phot	U
Image:	
	Break-pressure tank
	ressure_tank]
	pressure tank
	ly one option:
	Yes
	No
	NA
• Relevant	when:
5_ Break	pressure tank was answered with Yes.
	m3_of_Break_pressure_tank]
5.1_ Volu	me (m3)
• Relevant	
5_ Break	pressure tank was answered with Yes.
ιD: .	
	on_of_pressure_tank]
J.4_ DIII16	IISIVIIAIII
- D.1	
• Relevant	
5_ Break	pressure tank was answered with Yes.
EDL 4 3	
[Photo]	
Take pho	U
Image:	

Transmission pipe

[Transmis	
	sion_pipe]
	ission pipe
	ly one option:
	Yes
	No
	NA
 Relevant 	when:
6_ Transn	nission pipe was answered with Yes.
	_mm_of_Transmission_pipe]
6.1_ Diam	eter (mm)
• Relevant	when:
6 Transn	nission pipe was answered with Yes.
[Material_	and_class_of_the_pipe]
6.2_ Mate	rial and class of the pipe
Relevant	when:
	hission pipe was answered with Yes.
O_ Trunish	moster pipe was answered with Teo.
[Photo]	
Take phot	0
Image:	
	Water storage tank1
	
[Water sto	orage_tank1]
	storage tank1
	7/01 mg v mm. 1
Choose on	la ana antiana
	ly one option:
0	Yes
0	Yes
0	Yes No
0	Yes No NA
• Relevant	Yes No NA when:
• Relevant	Yes No NA
• Relevant	Yes No NA when: storage tank1 was answered with Yes.
• Relevant 7_ Water:	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1]
• Relevant 7_ Water:	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1]
• Relevant 7_ Water:	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1]
• Relevant 7_ Water [Volume_1 7.1_ Volume	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1] me (m3)
• Relevant 7_ Water: [Volume_I 7.1_ Volum • Relevant	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1] ne (m3) when:
• Relevant 7_ Water: [Volume_I 7.1_ Volum • Relevant	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1] me (m3)
• Relevant 7_ Water: 7.1_ Volume • Relevant 7_ Water:	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1] ne (m3) when: storage tank1 was answered with Yes.
• Relevant 7_ Water: [Volume_1 7.1_ Volum • Relevant 7_ Water: [Dimension	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1] ne (m3) when: storage tank1 was answered with Yes.
• Relevant 7_ Water: [Volume_1 7.1_ Volum • Relevant 7_ Water: [Dimension	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1] ne (m3) when: storage tank1 was answered with Yes.
• Relevant 7_ Water: [Volume_1 7.1_ Volum • Relevant 7_ Water: [Dimension	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1] ne (m3) when: storage tank1 was answered with Yes.
• Relevant 7_ Water: [Volume_1 7.1_ Volum • Relevant 7_ Water: [Dimension	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1] ne (m3) when: storage tank1 was answered with Yes.
• Relevant 7_ Water: [Volume_1 7.1_ Volum • Relevant 7_ Water: [Dimension	Yes No NA NA When: storage tank1 was answered with Yes Yes When: when: storage tank1 was answered with Yes When: storage tank1 was answered with Yes When: when: storage tank1 was answered with Yes When: w
• Relevant 7_ Water: [Volume_1 7.1_ Volum • Relevant 7_ Water: [Dimension 7.2_ Dime • Relevant	Yes No NA NA When: storage tank1 was answered with Yes Yes When: when: storage tank1 was answered with Yes When: storage tank1 was answered with Yes When: when: storage tank1 was answered with Yes When: w
• Relevant 7_ Water: 1 Volume_1 7.1_ Volum • Relevant 7_ Water: 7_ Dime • Relevant 7_ Water:	Yes No NA when: storage tank1 was answered with Yes. m3_of_Water_storage_tank1] ne (m3) when: storage tank1 was answered with Yes. m_Water_storage_tank1] nsionx
• Relevant 7_ Water: 1 Volume_1 7.1_ Volum • Relevant 7_ Water: 7_ Dime • Relevant 7_ Water: 1 Photo]	Yes No NA NA when: storage tank1 was answered with Yes Yes May be a substitute of the storage tank1 me (m3) when: storage tank1 may be a substitute of the storage tank1 maion
• Relevant 7_ Water: 1 Volume_1 7.1_ Volum • Relevant 7_ Water: 7_ Dime • Relevant 7_ Water:	Yes No NA NA when: storage tank1 was answered with Yes Yes May be a substitute of the storage tank1 me (m3) when: storage tank1 may be a substitute of the storage tank1 maion
• Relevant 7_ Water: 1 Volume_1 7.1_ Volum • Relevant 7_ Water: 7_ Dime • Relevant 7_ Water: 1 Photo]	Yes No NA NA when: storage tank1 was answered with Yes Yes May be a substitute of the storage tank1 me (m3) when: storage tank1 may be a substitute of the storage tank1 maion
• Relevant 7_ Water: [Volume 1 7.1_ Volum • Relevant 7_ Water: [Dimension 7.2_ Dime • Relevant 7_ Water: [Photo] Take phote	Yes No NA NA when: storage tank1 was answered with Yes Yes May be a substitute of the storage tank1 me (m3) when: storage tank1 may be a substitute of the storage tank1 maion

	Water storage tank2
[Water st	orage tank2]
8_ Water	storage tank2
Choose on	aly one option:
	Yes
	No
	NA
	storage tank2 was answered with Yes. m3_of_Water_storage_tank2]
[Dimension	when: storage tank2 was answered with Yes. on_Water_storage_tank2] ensionx
• Relevant 8_ Water [Photo] Take phot Image:	storage tank2 was answered with Yes.
	Main distribution pipe
	stribution_pipe] listribution pipe
Choose on	aly one option:
	Yes
	No
	NA
	distribution pipe was answered with Yes.
	r_mm_of_Main_distribution_pipe] neter (mm)
Relevant	when:
	distribution pipe was answered with Yes.
9.2 Mate	_and_class_of_Main_distribution_pipe]
	and_class_of_Main_distribution_pipe] rial 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: No 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 st	d] and
Choose on	ly one option:
	Yes
0	No
	NA

 Relevant when 	n:	
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 the Relevant w	d was answered					
[Photo]						
Take photo						
Image:						
	W3	Current sit	uation of t	ho wotov s	vetom	
	V.3_	Current sit	uation of t	ne water sy	ystem	
Is_the_systen	n_working]					
_ Is the syste						
hoose only or						
O Ye						
O No						
O NA	4					
Relevant whe	n:					
		s answered with	No			
1_13 the 3y3te	in working.	s answered with				
If_no_why]						
.1_ If no, wh	y ?					
		V_4	_ Use of w	ater		
			_ Use of w			
Qu	estion				Element 4	Element 5
		Photo rela	ated to Use	e of water	Element 4	Element 5
	estion of water	Photo rela	ated to Use	e of water	Element 4	Element 5
Use o	f water	Photo rela	ated to Use	e of water	Element 4	Element 5
	on]	Photo rela	ated to Use	e of water	Element 4	Element 5
Use of [Description of the content	on]	Photo rela	ated to Use	e of water	Element 4	Element 5
Use of Description	on]	Photo rela	ated to Use	e of water	Element 4	Element 5
Use of Description Description [Photo]	on]	Photo rela	ated to Use	e of water	Element 4	Element 5
Use of [Description Description] [Photo] Take photo	on]	Photo rela	ated to Use	e of water	Element 4	Element 5
Use of Description Description [Photo]	on]	Photo rela	ated to Use	e of water	Element 4	Element 5
Use of [Description Description] [Photo] Take photo	on]	Photo rela	ated to Use	e of water	Element 4	Element 5
Use of [Description Description] [Photo] Take photo	on]	Photo rela	ated to Use	e of water	Element 4	Element 5
Use of [Description Description] [Photo] Take photo	on]	Photo rela	ated to Use	e of water	Element 4	Element 5
Use of [Description Description] [Photo] Take photo	on]	Photo rela	ated to Use	e of water	Element 4	Element 5
Use of [Description Description] [Photo] Take photo	on]	Photo relations and the second	Element 2	Element 3	Element 4	Element 5
Use of [Description Description] [Photo] Take photo	on]	Photo relations and the second	ated to Use	Element 3	Element 4	Element 5
Use of [Description Description Description] Take photo Image:	on]	Photo relations and the second	Element 2	Element 3	Element 4	Element 5
Use of [Description Description] [Photo] Take photo	on]	Photo relations and the second	Element 2	Element 3	Element 4	Element 5
Use of [Description Description Description] Take photo Image:	on] on	Photo relations and the second	Element 2	Element 3	Element 4	Element 5
Use of [Description Descripti	on] on	Photo relations and the second	Element 2	Element 3	Element 4	Element 5
Use of [Description Descripti	on] on one option:	Photo relations and the second	Element 2	Element 3	Element 4	Element 5
Use of [Description Descripti	on] on one option:	Photo relations and the second	Element 2	Element 3	Element 4	Element 5

• Relevant	
1_ Drinki	ing was answered with No.
F 7 0	
1.1_ If no.	hy_not_Drinking] whv?
1.1_ 11 110	, why.
[Cooking	1
2_Cookir	
	aly one option:
	Yes
	No
	NA
Relevant	when:
	ng was answered with No.
	hy_not_Cooking]
2.1_ If no	, why?
[Bathing]	
3_ Bathin	
	nly one option:
0	Yes
0	No
	NA
• Relevant	
3_ Bathir	was answered with No.
FTC 1	l (Dd. 1
3.1_ If no.	hy_not_Bathing]
	, _V .
[Washing]
4_ Washin	ng
Choose on	aly one option:
	Yes
	No
	NA
Relevant	when:
	ng was answered with No.
	hy_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 (%)

stimated 9	
	% of HH not using community water system (%) was NOT answered with 0.
	ing_why]
1_ If not	using, why?
	e or more options:
	Tap stand too far
	System broken
	Can not pay
	Other
Relevant	when
	using, why? was answered with Other.
Other]	
2_ Other	, specify
	V.6_ Technical compliance
	v.o_ recumcar compnance
	1) 1.4.1.
	1)_ Intake
Workma	
	kmanship satisfactory?
visual ins _ļ	
	nly one option:
	excellent
0	good
	fair
	poor
0	very bad
0	very bad
0	very bad NA
Photo_W	very bad
[Photo_W	very bad NA Vorkmanship]
[Photo_W	very bad NA Vorkmanship]
[Photo_W	very bad NA Vorkmanship]
[Photo_W Photo_W Image:	very bad NA Vorkmanship] orkmanship satisfactory?
Photo_W Image:	very bad NA Vorkmanship] orkmanship satisfactory? ess_work]
Photo_W Photo_W Image:	very bad NA Vorkmanship] orkmanship satisfactory? ess_work] anliness work satisfactory?
Photo_W Photo_W Image: Cleanlin 1_2_Clea Visual insp	very bad NA Workmanship] orkmanship satisfactory? ess_work] anliness work satisfactory? pection)
Photo_W Photo_W mage: Cleanlin 1_2_ Clea visual insp Choose of	very bad NA Workmanship] orkmanship satisfactory? ess_work] anliness work satisfactory? pection) nly one option:
Photo_W Photo_W mage: [Cleanlin 1_2_Clea visual insp	very bad NA Vorkmanship] orkmanship satisfactory? ess_work] anliness work satisfactory? eection) anly one option: excellent
Photo_W Photo_W mage: Cleanlin 1_2_ Clea visual insp Choose of	very bad NA Workmanship] orkmanship satisfactory? ess_work] unliness work satisfactory? bection) nly one option: excellent good
Photo_W Photo_W image: Cleanlin 1_2_Clea (visual inspections)	very bad NA Vorkmanship] orkmanship satisfactory? ess_work] anliness work satisfactory? eection) anly one option: excellent
Photo_W Photo_W Image: [Cleanlin 1_2_ Clea Visual inspections of	very bad NA Workmanship] orkmanship satisfactory? ess_work] unliness work satisfactory? bection) nly one option: excellent good
Photo_W Photo_W Image: Cleanlin L_2_Clea Visual insp Choose or	very bad NA Workmanship] orkmanship satisfactory? ess_work] anliness work satisfactory? exection) ally one option: excellent good fair
[Photo_W Photo_W Image: [Cleanlin 1_2_ Clea (visual insp Choose or	very bad NA Vorkmanship] orkmanship satisfactory? ess_work] anliness work satisfactory? exection) nly one option: excellent good fair poor
[Photo_W Photo_W Image: [Cleanlin 1_2_Clea (visual insp Choose or	very bad NA Vorkmanship] orkmanship satisfactory? ess_work] unliness work satisfactory? bection) nly one option: excellent good fair poor very bad
[Photo_W Photo_W Image:	very bad NA Vorkmanship] orkmanship satisfactory? ess_work] anliness work satisfactory? ection) nly one option: excellent good fair poor very bad NA
[Photo_W Photo_W Image: [Cleanlin 1_2_Clear (visual inspection)	very bad NA Vorkmanship] orkmanship satisfactory? ess_work] anliness work satisfactory? ection) nly one option: excellent good fair poor very bad NA Pleanliness_work]
[Photo_W Image: [Cleanlin 1-2_ Clea (visual inspections) Choose on the control of the contr	very bad NA Vorkmanship] orkmanship satisfactory? ess_work] anliness work satisfactory? ection) nly one option: excellent good fair poor very bad NA
Photo_W Photo_W Image: C Cleanlin 1_2_Clea Visual insp Choose or	very bad NA Vorkmanship] orkmanship satisfactory? ess_work] anliness work satisfactory? ection) nly one option: excellent good fair poor very bad NA Pleanliness_work]

	erete work satisfactory?
(visual insp	ection)
	ly one option:
0	excellent
0	good
	fair
	poor
	very bad
	NA
	oncrete_work] ncrete work satisfactory?
	urces_protection_work] er sources protection work satisfactory?
	ly one option:
	Yes
	No
	NA
	ater_sources_protection_work] ter sources protection work satisfactory?
1_5_ is the	ater_source_supplied_round_year] e water source supplied round-year?
Choose on	ly one option: Yes
	No
	NA
	the_water_source_supplied_round_year] he water source supplied round-year?
	nality_of_water_source] e quality of water source satisfactory?
Choose on	ly one option:
	Yes
	No
	NA
	_the_quality_of_water_source] he quality of water source satisfactory?
	vales_installed_and_operational] all vales installed and operational?
Choose on	ly one option: Yes
	No
	NA
	ı J

	re_all_vales_installed_and_operational]
_	e all vales installed and operational?
Image:	
F.Y. 1	
	lean_out_system_installed_and_operational] te clean out system installed and operational?
	ily one option:
	Yes
	No
0	NA
	_forest_around_the]
	ere forest around the intake?
	ly one option: Yes
0	No No
	NA NA
	INA
[Photo_Is	there_forest_around_the]
Photo_Is	there forest around the intake?
Image:	

1_)_ Photo related to intake

2)_ Settle tank

[Workman	nship]
	kmanship satisfactory?
 (visual insp	
	ly one option:
	excellent
	good
	fair
0	poor
	very bad
	NA
[Dhata W	/orkmanship]
	orkmanship satisfactory?
	of Kinanship Satisfactory.
Image:	
	ess_work]
	nliness work satisfactory?
(visual insp	
	ly one option:
	excellent
	good
	fair
0	poor
	very bad
	NA
[Photo C	leanliness_work]
	eanliness work satisfactory?
Image:	
[Concrete	work
	crete work satisfactory?
(visual insp	
	ly one option:
	excellent
	good
	fair
0	poor
	very bad
	NA
[DI + C	
	oncrete_work]
Pnoto_Co	ncrete work satisfactory?
Image:	
	nk_water_tight_no_seepage_leakage]
2_4_ Is th	e tank water tight (no seepage leakage)?
Choose on	ly one option:
	Yes
	No
	NA
[Photo Je	the tank water tight no seenage leakage l
	_the_tank_water_tight_no_seepage_leakage] the_tank_water_tight (no_seepage_leakage)?
Photo_Is t	_the_tank_water_tight_no_seepage_leakage] the tank water tight (no seepage leakage)?

	all vales installed and operational?
	nly one option:
	Yes
0	No
	NA
Photo_A	are_all_vales_installed_and_operational]
Photo_A	re all vales installed and operational?
Image:	
Is the o	lean out system installed and operational]
	ne clean out system installed and operational?
	rly one option:
	Yes
	No
0	No NA
0	No NA sthe_clean_out_system_installed_and_operational]
[Photo_Is	NA
[Photo_Is Photo_Is Image:	NA s_the_clean_out_system_installed_and_operational] the clean out system installed and operational?
[Photo_Is Photo_Is Image:	NA s_the_clean_out_system_installed_and_operational] the clean out system installed and operational? fence_around_the_tank]
[Photo_Is Photo_Is Image: [Is_there 2_7_ Is there	NA s_the_clean_out_system_installed_and_operational] the clean out system installed and operational? fence_around_the_tank] there fence around the tank?
[Photo_Is Photo_Is Image:	s_the_clean_out_system_installed_and_operational] the clean out system installed and operational? fence_around_the_tank] here fence around the tank? haly one option:
[Photo_Is Photo_Is Image: [Is_there 2_7_ Is tl	s_the_clean_out_system_installed_and_operational] the clean out system installed and operational? fence_around_the_tank] therefence around the tank? and one option: Yes
[Photo_Is Image:	s_the_clean_out_system_installed_and_operational] the clean out system installed and operational? fence_around_the_tank] nere fence around the tank? nly one option: Yes No
Photo_Is Is_there 2_7_ Is there	s_the_clean_out_system_installed_and_operational] the clean out system installed and operational? fence_around_the_tank] therefence around the tank? and one option: Yes
[Photo_Is Photo_Is Image:	s_the_clean_out_system_installed_and_operational] the clean out system installed and operational? fence_around_the_tank] therefence around the tank? anly one option: Yes No NA
[Photo_I. Photo_Is Image: [Is_there 2_7_Is tl Choose o	s_the_clean_out_system_installed_and_operational] the clean out system installed and operational? fence_around_the_tank] therefence around the tank? Inly one option: Yes No NA S_there_fence_around_the_tank]
[Photo_Is Image: [Is_there 2_7_ Is the Choose of the Photo_Is Photo_Is Photo_Is Photo_Is Image:	s_the_clean_out_system_installed_and_operational] the clean out system installed and operational? fence_around_the_tank] therefence around the tank? anly one option: Yes No NA
[Photo_I. Photo_Is Image: [Is_there 2_7_ Is tl Choose o	s_the_clean_out_system_installed_and_operational] the clean out system installed and operational? fence_around_the_tank] therefence around the tank? Inly one option: Yes No NA S_there_fence_around_the_tank]

2_)_ Photo related to settle tank

Question	Element 1	Element 2	Element 3	Element 4	Element 5
settle tank					
[Description] Description					
[Photo] Take photo					
Image:					

3)_ Break-pressure tank

leanliness work P_CCleanliness work satisfactory?		pection)
good fair poor very bad NA noto_Workmanship } noto_Workmanship satisfactory? gge: leanliness_work]Cleanliness work satisfactory? und inspection) soese only one option:	oose o	nly one option:
fair poor very bad NA noto_Workmanship noto_Workmanship satisfactory? age:		excellent
poor very bad NA NA Noto Workmanship] nto_Workmanship satisfactory? age: cleanliness_work		good
very bad NA NA noto_Workmanship noto_Workmanship satisfactory? age: leanliness_work Cleanliness work satisfactory? und inspection) poose only one option: excellent good fair poor very bad NA noto_Cleanliness work		fair
NA		poor
continues work		very bad
leanliness_work] 2. Cleanliness work satisfactory? und inspection) Dose only one option: excellent good fair poor very bad NA NA Noto_Cleanliness_work] Cleanliness_work NA Noto_Cleanliness_work Noto_Cleanliness_work Noto_Cleanliness_work Noto_Cleanliness_work satisfactory? Interpolation Somerete work Somerete work satisfactory? und inspection) Dose only one option: excellent good fair poor very bad NA Noto_Concrete work satisfactory? und inspection Dose only one option: excellent good fair poor very bad NA Noto_Concrete work satisfactory? und inspection Dose only one option: excellent good fair poor very bad NA Noto_Concrete work satisfactory? und inspection No No No No No No No		NA
2. Cleanliness work satisfactory? und inspection) oose only one option: excellent good fair poor very bad NA noto Cleanliness_work noto_Cleanliness work satisfactory? age: oncrete_work		
excellent good fair poor very bad NA noto_Cleanliness_work] noto_Cleanliness work satisfactory? noto_Cleanliness work satisfactory? noto_Cleanliness work satisfactory? noto_Cleanliness work satisfactory? noto_Concrete work satisfactory? noto_Concrete work satisfactory? noto_Concrete work satisfactory? noto_Concrete_work] noto_Concrete_work] noto_Concrete_work satisfactory? noto_Concrete_work satis	2_ Cle	anliness work satisfactory?
good fair poor very bad NA noto_Cleanliness_work noto_Cleanliness_work noto_Cleanliness_work satisfactory? age: noncrete_work B_Concrete work satisfactory? und inspection) poose only one option: excellent good fair poor very bad NA NA noto_Concrete_work noto_Concrete_work noto_Concrete_work satisfactory? age: the tank_water_tight_no_seepage_leakage L_Is the tank_water_tight_fon_seepage_leakage)? poose only one option: Yes No		
fair poor very bad NA noto_Cleanliness_work noto_Cleanliness work satisfactory? age: noncrete_work Concrete work satisfactory? and inspection) poose only one option: excellent good fair poor very bad NA noto_Concrete_work noto_Concrete_work satisfactory? age: the tank_water_tight_no_seepage_leakage Is the tank_water_tight (no seepage_leakage)? poose only one option: Yes No		
poor very bad NA noto_Cleanliness work noto_Cleanliness work satisfactory? age: noncrete_work b_Concrete work satisfactory? ual inspection) poor excellent good fair poor very bad NA noto_Concrete_work noto_Concrete_work noto_Concrete_work noto_Concrete_work noto_Concrete_work satisfactory? age: the tank_water_tight_no_seepage_leakage l_ Is the tank_water tight (no seepage_leakage)? noto_concrete_work one option: Yes No		
very bad NA noto Cleanliness work noto Cleanliness work satisfactory? noto Cleanliness work satisfactory? noto Cleanliness work satisfactory? noto Cleanliness work satisfactory? noto control on option: excellent good fair poor very bad NA noto Concrete work noto Concrete work satisfactory?		
noto_Cleanliness_work] oto_Cleanliness work satisfactory? age: oncrete_work] occorrete work satisfactory? unal inspection) oose only one option: excellent good fair poor very bad NA NA noto_Concrete_work] oto_Concrete_work satisfactory? age: the_tank_water_tight_no_seepage_leakage] i_ Is the tank water tight (no seepage leakage)? oose only one option: Yes No		-
noto_Cleanliness work poto_Cleanliness work satisfactory? age: concrete work concrete work satisfactory? and inspection) concrete work satisfactory? and inspection concrete work good fair concrete work add NA NA conco_Concrete work satisfactory? age: concrete work satis		very bad
oncrete_work] Concrete work satisfactory? age: oncrete_work] Concrete work satisfactory? and inspection) once only one option: excellent good fair poor very bad NA noto_Concrete_work] oto_Concrete work satisfactory? age: the_tank_water_tight_no_seepage_leakage] Is the tank water tight (no seepage leakage)? once only one option: Yes No		NA
ual inspection) bose only one option: excellent good fair poor very bad NA noto_Concrete_work] oto_Concrete work satisfactory? age: the_tank_water_tight_no_seepage_leakage] L_Is the tank water tight (no seepage leakage)? bose only one option: Yes No		
excellent good fair poor very bad NA noto_Concrete_work] the_tank_water_tight_no_seepage_leakage] Lis the tank water tight (no seepage leakage)? the seepage leakage)? the seepage leakage	oto_Clage:	eanliness work satisfactory? e_work]
good fair poor very bad NA noto_Concrete_work] to_Concrete work satisfactory? age: the_tank_water_tight_no_seepage_leakage] L Is the tank water tight (no seepage leakage)? oose only one option: Yes No	oto_Clage: Concret 3_ Con	e_work] crete work satisfactory?
fair poor very bad NA noto_Concrete_work] oto_Concrete work satisfactory? age: the_tank_water_tight_no_seepage_leakage] J is the tank water tight (no seepage leakage)? oose only one option: Yes No	oto_Clage: Concrete 3_ Consulting	e_work] crete work satisfactory? pection)
poor very bad NA noto_Concrete_work] to_Concrete work satisfactory? age: the_tank_water_tight_no_seepage_leakage] L_Is the tank water tight (no seepage leakage)? cose only one option: Yes No	oto_Clage: Concrete 3_ Consul instance oose of	e_work] crete work satisfactory? e_cection) nly one option:
very bad NA NA noto_Concrete_work] oto_Concrete work satisfactory? age: the_tank_water_tight_no_seepage_leakage] Lis the tank water tight (no seepage leakage)? oose only one option: Yes No	concrete 3 Concrete sual inspose of	e_work] crete work satisfactory? cretion) nly one option: excellent
NA noto_Concrete_work] noto_Concrete work satisfactory? age: the_tank_water_tight_no_seepage_leakage] ts the tank water tight (no seepage leakage)? nose only one option: YesNo	oto_Clage: Concrete 3_ Consul instance on the consul instance of the consulting instance of the consul	e_work] crete work satisfactory? cretion) aly one option: excellent good
	concrete Concrete Sural ins,	e_work] crete work satisfactory? e_cetion) nly one option: excellent good fair
	concrete 3_ Consult inspects on the contract of the contract o	e_work] crete work satisfactory? cretion) ally one option: excellent good fair poor
Is the tank water tight (no seepage leakage)? oose only one option: Yes No	coto_Clage: Concrete 3_ Consul inspections oose o	e_work] crete work satisfactory? cretion) aly one option: excellent good fair poor very bad
YesNo	concrete Con	e_work] crete work satisfactory? cretion) ally one option: excellent good fair poor very bad NA Concrete_work]
O No	oto_Clage: Concrete 3_ Consult inspects coose of the cool of the c	e_work] crete work satisfactory? e_cection) ally one option: excellent good fair poor very bad NA Concrete_work] concrete work satisfactory? ank_water_tight_no_seepage_leakage] the tank water tight (no seepage leakage)?
	oto_Clage: Concrete 3_ Consultins, oose of hoto_Clage: s_the_t 4_ Is tl	e_work] crete work satisfactory? exection) ally one option: excellent good fair poor very bad NA Concrete_work] concrete work satisfactory? ank_water_tight_no_seepage_leakage] te tank water tight (no seepage leakage)? ally one option:
INA INA	oto_Clage: Concrete 3_Consul inspose of the consul inspose of the consul inspose of the consul inspose of the consulting	e_work e_work crete work satisfactory? exection) nly one option: excellent good fair poor very bad NA Concrete_work concrete_work concrete work satisfactory? ank_water_tight_no_seepage_leakage ank_water_tight (no seepage leakage)? nly one option: Yes
	concrete 3_Concrete 3_Consual ins, coose of the coordinate of the	e_work c_work c_rete work satisfactory? bection) nly one option: excellent good fair poor very bad NA Concrete_work concrete_work concrete work satisfactory? ank_water_tight_no_seepage_leakage te tank water tight (no seepage leakage)? nly one option: Yes No
noto_Is_the_tank_water_tight_no_seepage_leakage]	concrete 3_Concrete 3_Consual ins, coose of the coordinate of the	e_work c_work c_rete work satisfactory? bection) nly one option: excellent good fair poor very bad NA Concrete_work concrete_work concrete work satisfactory? ank_water_tight_no_seepage_leakage te tank water tight (no seepage leakage)? nly one option: Yes No

	vales_installed_and_operational					
	ly one option:					
	Yes					
	No					
0	NA					
	re_all_vales_installed_and_operee all vales installed and operate					
	ean_out_system_installed_and_ e clean out system installed an		?			
Choose on	ly one option:					
	Yes					
0	No					
	NA					
Photo_Is t Image:	the clean out system installed a	and operation:	al? 			
3_7_ Is the	fence_around_the_tank] ere fence around the tank?					
Choose on	ly one option: Yes					
	No					
	NA					
	1 - 1 - 1					
	_there_fence_around_the_tank ? there fence around the tank?					
	3_)_ Photo 1	elated to	Break-pr	essure ta	nk	
	Question	Element 1	Element 2	Element 3	Element 4	Element 5
Brea	ak-pressure tank					
Descrip						

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

[Photo] **Take photo**Image:

Choose or	nly one option:
	Yes
	No
	NA
	ipe_installing_and_laying_work] pe installing and laying work satisfactory?
	ir_valve_installed_and_operational]
	e air valve installed and operational?
	nly one option:
	Yes
<u> </u>	No
0	NA
	s_the_air_valve_installed_and_operational] the air valve installed and operational?
	less and makes in the dead of a market of the
3 Is th	lean_out_system_installed_and_operational] te clean out system installed and operational?
3 Is th	
3_ Is the	e clean out system installed and operational? ally one option:
hoose or	e clean out system installed and operational? ally one option: Yes No
3 Is the	te clean out system installed and operational? aly one option: Yes
23_ Is the Choose of Choos	e clean out system installed and operational? ally one option: Yes No
3_ Is the hoose of	re clean out system installed and operational? Ally one option: Yes No NA Sthe_clean_out_system_installed_and_operational]
3_ Is the hoose of	the clean out system installed and operational? Yes No NA Sthe_clean_out_system_installed_and_operational] the clean out system installed and operational? Seepage_or_leakage_along_the_pipe] seepage or leakage along the pipe?
3_ Is the hoose of	te clean out system installed and operational? Yes No NA Sthe_clean_out_system_installed_and_operational] the clean out system installed and operational? seepage_or_leakage_along_the_pipe] the seepage or leakage along the pipe? The operation installed and operational?
A_ Is the hoose of	te clean out system installed and operational? Yes No NA Sthe_clean_out_system_installed_and_operational] the clean out system installed and operational? seepage_or_leakage_along_the_pipe] tere seepage or leakage along the pipe? Thy one option: Yes
3 Is the hoose of	the clean out system installed and operational? Yes No NA Sthe_clean_out_system_installed_and_operational] the clean out system installed and operational? The clean out system installed and operational? Seepage_or_leakage_along_the_pipe] Here seepage or leakage along the pipe? The operation installed and operational?
Ja Is the hoose of	te clean out system installed and operational? Inly one option: Yes No NA In the clean_out_system_installed_and_operational] the clean out system installed and operational? In the clean out system installed and operational?
Jag the hoose of t	te clean out system installed and operational? Inly one option: Yes No NA In the clean out system installed and operational] the clean out system installed and operational? In the clean out system installed and operati
A_ Is the hoose of	re clean out system installed and operational? rely one option: Yes No NA State_clean_out_system_installed_and_operational] the clean out system installed and operational? seepage_or_leakage_along_the_pipe] rere seepage or leakage along the pipe? rere seepage or leakage along the pipe? rere seepage or_leakage_along_the_pipe] there seepage or_leakage_along_the_pipe] there seepage or_leakage_along_the_pipe] there seepage or_leakage along the pipe? repe clogged_or_blocked] repipe_clogged_or_blocked? repipe_clogged_or_blocked? repipe_clogged_or_blocked? repipe_clogged_or_blocked? repipe_clogged_or_blocked? repipe_clogged_or_blocked? repipe_clogged_or_blocked?
A_Is the hoose of	te clean out system installed and operational? Inly one option: Yes No NA In the clean out system installed and operational] the clean out system installed and operational? In the clean out system installed and operati

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

visual ins	rkmanship satisfactory?
	only one option:
	excellent
	good
	fair
	poor
	very bad
	NA NA
	IVA
Photo_W	Workmanship] Workmanship satisfactory?
Photo_W mage:	Vorkmanship satisfactory? te_work]
Photo_W mage:	te_work] ncrete work satisfactory?
Photo_W mage: Concret 2_3_ Con visual ins	te_work] ncrete work satisfactory? spection)
Photo_W mage: Concret 2_3_ Con visual ins	te_work] ncrete work satisfactory?
Photo_W mage: Concrete 2_3_ Con visual ins	te_work] nerete work satisfactory? spection) only one option:
Concrete 2_3_ Convisual ins	te_work] nerete work satisfactory? spection) only one option: excellent
Photo_W mage: Concrete 2_3_Con Visual ins Choose o	te_work] te_work te_work satisfactory? spection) only one option: excellent good
Photo_W mage: Concrete 2_3_Con visual ins Choose o	te_work] nerete work satisfactory? spection) only one option: excellent good fair

hoose or	ly one option:	
	Yes	
	No	
	NA	
hoto_Is	_the_componet_stable] the componet stable?	
nage:		
Is_steel_	cable_and_accessories_in_good_condition]	
4 Is st	eel cable and accessories in good condition? ly one option:	
4 Is st	eel cable and accessories in good condition? ly one option: Yes	
4 Is st	eel cable and accessories in good condition? ly one option: Yes No	
4 Is st	eel cable and accessories in good condition? ly one option: Yes	

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

[Workman 6_1_ Work (visual inspec	kmanship satisfactory?
Choose onl	ly one option:
	excellent
	good
	fair
	poor
	very bad
	NA

HIASE:	orkmanship satisfactory?
mage:	
Classiis	acco model
	ness_work] anliness work satisfactory?
– – visual ins	
Choose o	nly one option:
	excellent
	good
	fair
	poor
	very bad
	NA
	Cleanliness_work] leanliness work satisfactory?
3 Convisual ins	nly one option:
	excellent
	good
	fair
	#00#
	poor
0	very bad
0	very bad NA
Photo_C	very bad
Photo_C Photo_C mage: Is_the_c 5_4_ Is the	very bad NA Concrete_work] oncrete work satisfactory? componet_stable] the componet stable?
Photo_C Photo_C mage: Is_the_c 6_4_ Is the Choose o	very bad NA Concrete_work] concrete work satisfactory? componet_stable] the componet stable? mly one option:
Photo_C Photo_C mage: Is_the_c 4_ Is the	very bad NA Concrete_work] concrete work satisfactory? componet_stable] the componet stable? nly one option: Yes
Photo_C Photo_C mage: Is_the_c Lhoose o	very bad NA Concrete_work] oncrete work satisfactory? componet_stable] he componet stable? nly one option: Yes No
Photo_C Photo_C mage: Is_the_c _4_ Is the	very bad NA Concrete_work] concrete work satisfactory? componet_stable] the componet stable? nly one option: Yes
Photo_C mage: Is_the_C 5_4_ Is the Choose o	very bad NA Concrete_work] concrete work satisfactory? componet_stable] the componet stable? nly one option: Yes No NA NA s_the_componet_stable]
Photo_C mage: Is_the_C 5_4_ Is the Choose o	very bad NA Concrete_work] concrete work satisfactory? componet_stable] the componet stable? nly one option: Yes No NA
Photo_C mage: Is_the_c 6_4_ Is the Choose of Choose of Choto_Is	very bad NA Concrete_work] concrete work satisfactory? componet_stable] the componet stable? nly one option: Yes No NA NA s_the_componet_stable]
Photo_C mage: Is_the_c 6_4_ Is the Choose o Photo_Is mage:	very bad NA Concrete_work] componet ework satisfactory? componet stable] the componet stable? nly one option: Yes No NA s_the_componet_stable] the componet stable? ank_water_tight_no_seepage_leakage]
Photo Choto Chage: Is_the_c	very bad NA Concrete _work] componet _stable] the componet stable? nly one option: Yes No NA s_the_componet_stable] the componet stable] the componet stable? ank_water_tight_no_seepage_leakage] the tank water tight (no seepage leakage)?
Photo Choto Comage: Is the comage: Photo Is the comage: Is the comage:	very bad NA Concrete_work] componet ework satisfactory? componet stable] the componet stable? nly one option: Yes No NA s_the_componet_stable] the componet stable? ank_water_tight_no_seepage_leakage]
Photo_C Photo_C mage: Is_the_c 5_4_ Is ti Choose o Photo_Is mage: Is_the_t 5_5_ Is ti Choose o	very bad NA Concrete_work] oncrete work satisfactory? componet_stable] he componet stable? nly one option: Yes No NA NA s_the_componet_stable] the componet stable? the componet stable? ank_water_tight_no_seepage_leakage] he tank water tight (no seepage leakage)? nly one option:

[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:
O Yes
O No
O 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:
O Yes
O No
O NA
[Photo_Is_the_clean_out_system_installed_and_operational] Photo_Is the clean out system installed and operational?
Image:
mage.
[], d f
[Is_there_fence_around_the_tank] 6_8_ Is there fence around the tank?
Choose only one option:
Yes
O No
○ NA
IVA
[Photo_Is_there_fence_around_the_tank]
Photo_Is_there_lence_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
Water storage tank					
[Description] Description					
[Photo] Take photo					
Image:					

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: Yes No 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: Yes No 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: Yes 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

[Workman	ship]
	xmanship satisfactory?
(visual insp	
Choose on	y one option: excellent
	good
0	fair
0	poor
0	very bad NA
	NA
Γ Dhoto W	orkmanship]
	rkmanship satisfactory?
Image:	
8	
[Cleanline	ss work]
8_2_ Clean	nliness work satisfactory?
(visual insp	ection)
	y one option:
0	excellent
0	good
0	fair
	poor
0	very bad
	NA
	eanliness_work] anliness work satisfactory?
	eanliness_work] anliness work satisfactory?
Photo_Cle Image:	work] rete work satisfactory?
Photo_Cle Image: [Concrete 8_3_Conc (visual inspector)	work] rete work satisfactory?
Photo_Cle Image: [Concrete 8_3_Conc (visual inspector)	work] rete work satisfactory? ection)
Photo_Cle Image: [Concrete 8_3_Conc (visual inspections) Choose on	work] work satisfactory? ettion) y one option:
Photo_Cle Image: [Concrete 8_3_Conc (visual inspections) Choose on	work] rete work satisfactory? ection) y one option: excellent
Photo_Cle Image: [Concrete 8_3_Conc (visual inspections) Choose on	work] rete work satisfactory? ection) y one option: excellent good fair poor
Photo_Cle Image: [Concrete 8_3_ Conc (visual inspections) Choose on	work] work] rete work satisfactory? extion) y one option: excellent good fair poor very bad
Photo_Cle Image: [Concrete 8_3_Conc (visual inspections) Choose on	work] rete work satisfactory? ection) y one option: excellent good fair poor
Photo_Cle Image: [Concrete 8_3_Conc (visual inspections on the concentration of the concent	work] work] rete work satisfactory? extion) y one option: excellent good fair poor very bad
Photo_Cle Image: [Concrete 8_3_Conc (visual inspections on the concept of the c	work] rete work satisfactory? section) y one option: excellent good fair poor very bad NA nucrete_work] nerete work satisfactory?
Photo_Cle Image: [Concrete 8_3_Conc (visual inspectors on the concentration of the concentr	work] rete work satisfactory? extion) y one option: excellent good fair poor very bad NA sucrete_work] nerete work satisfactory?
Photo_Cle Image: [Concrete 8_3_Conc (visual inspectors on the constant of th	work] work] rete work satisfactory? extion) y one option: excellent good fair poor very bad NA where the work satisfactory? aucet taps installed and operational] all faucet taps installed and operational? y one option: Yes
Photo_Cle Image: [Concrete 8_3_Conc (visual inspectors on the concept of the concept on the co	work] rete work satisfactory? extion) y one option: excellent good fair poor very bad NA sucrete_work] nerete work satisfactory?

rnoto_Ai lmage:	re_all_faucet_taps_installed_and_operational] re all faucet taps installed and operational?
	and_pressure_of_each_tap_stand]
	ow and pressure of each tap stand satisfactory?
	nly one option:
	Yes
0	No
0	NA
	s_flow_and_pressure_of_each_tap_stand] flow and pressure of each tap stand satisfactory?
	vales_installed_and_operational] all vales installed and operational?
	ally one option:
Choose of	Yes
	No No
	NA
8_7_ is w	meter_installed_and_operational] ater meter installed and operational?
8_7_ is w Choose or	ater meter installed and operational? nly one option:
8_7_ is w Choose or	ater meter installed and operational? ally one option: Yes
8_7_ is w Choose or	ater meter installed and operational? nly one option:
8_7_ is w Choose of	ater meter installed and operational? ally one option: Yes No
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[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)

	ly one option:
	Construction company
	Construction company + Villager
	Villager
	OMC
	RMG
	Other (specify)
Relevant 4 Type of	when: Contractors was answered with Other (specify).
Other_C	ontractor] specify
Detail_A	ddress] /Address of contractor
	f_work_of_RehabConstruction] f work of Rehab/Construction
-	lly one option:
	New Construction
	Rehabilitation
	f_work_in_detail] f work in detail
Scope o	VI.6 Maintenance a_road_maintenance_committee_Ir]
Is_there_	VI.6 Maintenance a_road_maintenance_committee_Ir] a maintenance committee
Is_there_	VI.6 Maintenance a_road_maintenance_committee_Ir]
Is_there Is there Choose or	VI.6 Maintenance a_road_maintenance_committee_Ir] a maintenance committee lly one option: Yes
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Is there Choose or	VI.6 Maintenance a_road_maintenance_committee_Ir] a maintenance committee sly one option: Yes No
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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		
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] Relevant when: 3 How many members was NOT answered with 0 AND 3 How many members was NOT answered with " No_of_other_role_lr] 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 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] 1 Relevant when: 1 Is there a maintenance committee was answered with Yes. Did_committee_members_receive_any_training_loop_committee] 1 Noo	3 How ma	any members was NOT answered with 0 AND 3 How many members was NOT answered with ".
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• Relevant	t when: works in a protected area? was answered with Yes.
1 Are the	works in a protected area; was answered with test.
	vhat_actions_were_taken_to_avoid_impacts]
1.1 If yes,	what actions were taken to avoid impacts
	_works_affect_any_village_lands_or_personal_property_Ir] works affect any village lands or personal property
Choose or	nly one option:
	Yes
	No
	NA
D 1	
• Relevant 2 Did the	works affect any village lands or personal property was answered with Yes.
[If was v	what actions were taken to evoid impacts villagers]
	what_actions_were_taken_to_avoid_impacts_villagers] what actions were taken to avoid impacts
	The second was a second surprise of the secon
[Remark	
3 Remarl	
	VI.8 Disaster Risk
	e_area_suffer_from_any_natural_disasters_Ir] e area suffer from any natural disasters?
	aly one option:
Choose of	Yes
	No
0	NA NA
• Relevan	t when:
1 Does th	ne area suffer from any natural disasters? was answered with Yes.
	vere_these_potential_impacts_considered_in_the_design] , were these potential impacts considered in the design
-	
Choose or	ly one option: Yes
	No NA
	NA
Remark	1
2 Remark	
	VI.9 PRF (Training)

[How_many_trainings_were_provided_by_PRF_Ir]

1 How many trainings were provided by PRF

• Relevant	
1 How ma	any trainings were provided by PRF was NOT answered with 0 AND 1 How many trainings were
provided b	y PRF was NOT answered with ".
	uld_you_rate_these_trainings]
2 How wo	uld you rate these trainings
Choose on	ly one option:
	excellent
	good
	fair
	poor
0	very bad
	NA
[Remark]	
) Itemai k	
[Wana tuai	ined villagers able to carry out the activities they were trained to do Ir]
4 Were tra	ained villagers able to carry out the activities they were trained to do
Choose on	ly one option: Yes
	No No
	NA
Dolovont	when:
Kelevalli	
4 Were tra	
4 Were tra [if_not_wl 4.1 If not, [Were_the	hy] why? re_any_follow_up_trainings_provided_Ir]
if_not_wl if_not, wl 4.1 If not, Were_the	why? re_any_follow_up_trainings_provided_Ir] ere any follow -up trainings provided
4 Were tra if_not_wl 4.1 If not, Were_the 5 Were the	why? re_any_follow_up_trainings_provided_Ir] ere any follow -up trainings provided ly one option:
4 Were tra if_not_wl 4.1 If not, Were_the Choose on	why? re_any_follow_up_trainings_provided_Ir] re any follow-up trainings provided ly one option: Yes
4 Were tra if_not_wl 1.1 If not, Were_the Choose on	why? re_any_follow_up_trainings_provided_Ir] ere any follow -up trainings provided ly one option: Yes No
if_not_wl if_not, if_not_wl 4.1 If not, Were_the 5 Were the	why? re_any_follow_up_trainings_provided_Ir] re any follow-up trainings provided ly one option: Yes
4 Were tra	my] why? re_any_follow_up_trainings_provided_Ir] ere any follow -up trainings provided ly one option: Yes No NA
4 Were tra if_not_wl 4.1 If not, Were_the Choose on PRelevant	why? re_any_follow_up_trainings_provided_Ir] re any follow-up trainings provided ly one option: Yes No NA when:
4 Were tra	my] why? re_any_follow_up_trainings_provided_Ir] ere any follow -up trainings provided ly one option: Yes No NA
4 Were tra [if_not_wl 4.1 If not, [Were_the 5 Were the Choose on Relevant 5 Were the	why? re_any_follow_up_trainings_provided_Ir] re any follow-up trainings provided ly one option: Yes No NA when: ere any follow-up trainings provided was answered with Yes.
if_not_wl if_not, Were_the Were the Choose on Relevant S Were the	why? re_any_follow_up_trainings_provided_Ir] re any follow -up trainings provided ly one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes . bw_many_Time_Year]
if_not_wl 4.1 If not, Were_the 5 Were the Choose on Relevant 5 Were the	why? re_any_follow_up_trainings_provided_Ir] re any follow-up trainings provided ly one option: Yes No NA when: ere any follow-up trainings provided was answered with Yes.
if_not_wl 4.1 If not, Were_the 5 Were the Choose on Relevant 5 Were the	why? re_any_follow_up_trainings_provided_Ir] re any follow -up trainings provided ly one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes ow_many_Time_Year]
4 Were tra [if_not_wl 4.1 If not, [Were_the 5 Were the Choose on PRelevant 5 Were the 5 Were the 5 Were the	why? re_any_follow_up_trainings_provided_Ir] ere any follow -up trainings provided ly one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes. ow_many_Time_Year] how many (Time/Year)
4 Were tra if not_wl 4.1 If not, Were_the 5 Were the Choose on Relevant 5 Were the 5.1 If yes, Remark_	why? re_any_follow_up_trainings_provided_Ir] pre any follow -up trainings provided ly one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes. ow_many_Time_Year] show many (Time/Year)
if_not_wl if_not, Were_the Were the Were the Were the Were the Were the Were the Choose on Relevant If yes_ho If yes, Remark_	why? re_any_follow_up_trainings_provided_Ir] pre any follow -up trainings provided ly one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes. ow_many_Time_Year] show many (Time/Year)
4 Were tra if not_wl 4.1 If not, Were_the 5 Were the Choose on Relevant 5 Were the 5.1 If yes, Remark_	why? re_any_follow_up_trainings_provided_Ir] pre any follow -up trainings provided ly one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes. ow_many_Time_Year] show many (Time/Year)
4 Were tra if not_wl 4.1 If not, Were_the 5 Were the Choose on Relevant 5 Were the 5.1 If yes, Remark_	why? re_any_follow_up_trainings_provided_Ir] pre any follow -up trainings provided ly one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes. ow_many_Time_Year] show many (Time/Year)
4 Were tra [if_not_wl 4.1 If not, [Were_the 5 Were the Choose on PRelevant 5 Were the 5 Here the 5 Here the 5 Here the 6 Relevant 6 Remark 6 Remark	why? re_any_follow_up_trainings_provided_Ir] pre any follow -up trainings provided ly one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes. ow_many_Time_Year] show many (Time/Year)
4 Were tra if not_wl 4.1 If not, Were_the 5 Were the Choose on Relevant 5 Were the 5.1 If yes, Remark_	why? re_any_follow_up_trainings_provided_Ir] re any follow -up trainings provided ly one option: Yes No NA when: rere any follow -up trainings provided was answered with Yes bow_many_Time_Year] how many (Time/Year)]
4 Were tra [if_not_wl 4.1 If not, [Were_the 5 Were the Choose on PRelevant 5 Were the 5 Here the 5 Here the 5 Here the 6 Relevant 6 Remark 6 Remark	why? re_any_follow_up_trainings_provided_Ir] pre any follow -up trainings provided ly one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes. ow_many_Time_Year] show many (Time/Year)
4 Were tra [if_not_wl 4.1 If not, [Were_the 5 Were the Choose on	why? re_any_follow_up_trainings_provided_Ir] re_any_follow_up_trainings_provided ly one option: Yes No NA when: re_any_follow_up_trainings_provided ly one option: Yes No NA when: re_any_follow_up_trainings_provided ly one option: When: re_any_follow_up_trainings_provided ly one option: When: re_any_follow_up_trainings_provided ly one option: Yes No NA When: re_any_follow_up_trainings_provided ly one option: When: re_any_follow_up_trainings_provided ly one option: NA WH.2Current situation
4 Were tra if not_wl 4.1 If not, Were the 5 Were the Choose on Relevant 5 Were the 5.1 If yes_ho 5.1 If yes, Remark 6 Remark	why? re_any_follow_up_trainings_provided_Ir] gree any follow -up trainings provided by one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes. bw_many_Time_Year] how many (Time/Year) VI.2_ Current situation stem_working_Ir]
4 Were tra if not_wl 4.1 If not, Were_the 5 Were the Choose on Relevant 5 Were the 5.1 If yes_hc 6 Remark 6 Remark	why? re_any_follow_up_trainings_provided_Ir] rere any follow -up trainings provided by one option: Yes No NA when: rere any follow -up trainings provided was answered with Yes. bw_many_Time_Year] how many (Time/Year) VI.2_ Current situation stem_working_Ir] ystem_working?
if_not_wl if_not, Were_the Were the Were the Were the Were the Were the Choose on Relevant If_yes_ho Remark Remark If_yes_ht If_yes,	why? re_any_follow_up_trainings_provided_Ir] rere any follow -up trainings provided ty one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes bw_many_Time_Year] how many (Time/Year) VI.2_ Current situation stem_working_Ir] ystem working? ly one option:
if_not_wl if_not, Were_the Were the Were the Were the Were the Were the Choose on Relevant If_yes_ho Remark Remark If_yes_ht If_yes,	why? re_any_follow_up_trainings_provided_Ir] rere any follow -up trainings provided ly one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes. bw_many_Time_Year] how many (Time/Year) VI.2_ Current situation stem_working_Ir] ystem_working?
4 Were tra if not_wl 4.1 If not, Were_the 5 Were the Choose on Relevant 5 Were the 6 Remark 6 Remark 6 Remark	why? re_any_follow_up_trainings_provided_Ir] rere any follow -up trainings provided ty one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes bw_many_Time_Year] how many (Time/Year) VI.2_ Current situation stem_working_Ir] ystem working? ly one option:
4 Were tra [if_not_wl 4.1 If not, [Were_the 5 Were the Choose on	why? re_any_follow_up_trainings_provided_Ir] rere any follow -up trainings provided ty one option: Yes No NA when: ere any follow -up trainings provided was answered with Yes bw_many_Time_Year] how many (Time/Year) VI.2_ Current situation stem_working_Ir] ystem working? ly one option: Yes

	Photo	o related to	Current	situation		
	Question	Element 1	Element 2	Element 3	Element 4	Elem
Cui	rrent situation					
[Descri						
Descrip	otion					
[F PI +						
[Photo						
Image:						
	or more options: Surface Ground	D. I.				
noose one	Surface Ground	ource of water:	vant when: was answered Surface			
Type_of_:	Surface Ground VI.3_S surface_water]	ource of water:	was answered			
Type_of_:	Surface Ground VI.3_S surface_water] surface water? e or more options:	ource of water:	was answered			
Type_of_: _ Type of	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir	ource of water:	was answered			
Type_of Type of	Surface Ground VI.3_S surface_water] surface water? e or more options:	ource of water:	was answered			
Type_of_: _ Type of	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake	ource of water:	was answered			
Type_of_ _ Type of _ Relevant	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake River when:	VI.3.1	was answered Surface			
Type_of Type of _ Type of _ Type of _ Type of	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake River when: f surface water? was NOT	VI.3.1	was answered Surface			
Type_of Type of _ Type of _ Photo_Ty	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake River when: f surface water? was NOT pe_of_surface_water]	VI.3.1	was answered Surface			
Type_of Type of _ Type of _ Photo_Ty	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake River when: f surface water? was NOT	VI.3.1	was answered Surface			
Type_ofType of _Type of Choose one Relevant : 1_ Type o: Photo_Typ	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake River when: f surface water? was NOT pe_of_surface_water]	VI.3.1	was answered Surface			
Type_of_: _Type of _Type of Choose one	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake River when: f surface water? was NOT pe_of_surface_water] pe of surface water?	VI.3.1	was answered Surface			
Type_of_: _Type of _Type of Choose one	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake River when: f surface water? was NOT pe_of_surface_water] pe of surface water?	VI.3.1	was answered Surface			
Type_ofType ofType ofType ofType ofType ofType ofType ofType ofType ofIrrigationIrrigationIrrigationIrrigation_	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake River when: f surface water? was NOT pe_of_surface_water] pe of surface water?	VI.3.1	was answered Surface			
Type_ofType ofType ofType ofType ofType ofType ofType ofType ofType ofIrrigationIrrigationIrrigationIrrigation_	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake River when: f surface water? was NOT pe_of_surface_water] or of surface water? _water_supply] on water supply:	VI.3.1	was answered Surface			
Type_of_: _Type of _Type of _Type of Choose one	Surface Ground VI.3_S surface_water] surface water? e or more options: Reservoir Lake River when: f surface water? was NOT pe_of_surface_water] pe of surface water? water_supply] on water supply: ly one option:	VI.3.1	was answered Surface			

	on water supply: was	NOT answered w	vith Answer "N	JA" not found;		
	gation_water_supply]					
mage:	gation water supply:					
	W. G. 1					
	_Water_Conveyance_b on Water Conveyance					
	y one option:					
	Yes					
0	NA					
D 1						
Relevant v	when: on Water Conveyance l	by Gravity? was	answered with	Yes.		
Dhoto Irri	gation_Water_Convey	once by Gravity	, 1			
	gation_water_Convey					
mage:						
		VI.3	3.1.1_ Can	als		
	main_canal_SF] ere main canal?					
	ly one option:					
0	Yes					
0	No NA					
	1111					
			Relevant when:			
	C.	1_ Is there main		_	es .	
		M	ain Canal	a		
		171	iaiii Caiiai			
		Photo rela	ted to Ma	in Canals		
	Question	Photo rela Element 1	Element 2	Element 3	Element 4	Element 5
					Element 4	Element 5
M					Element 4	Element 5
	Question Iain Canals				Element 4	Element 5
[De	Question				Element 4	Element 5
[De	Question [ain Canals scription]				Element 4	Element 5
[De Deso	Question [ain Canals scription] [cription]				Element 4	Element 5
[De Desc	Question [ain Canals scription] [cription]				Element 4	Element 5
[De Desc	Question [ain Canals scription] oription oto] e photo				Element 4	Element 5
[De Deso	Question [ain Canals scription] oription oto] e photo				Element 4	Element 5
[De Deso	Question [ain Canals scription] oription oto] e photo				Element 4	Element 5

	of canal km]
1_ Leng	th of canal (km)
[Canal_ 2_ Cana	
Choose	one or more options:
	Concrete
	Stone/Brick
[Pipe_n	ıc]
3_ Pipe:	
	only one option: Yes
	Yes No
	NA NA
	NA .
Releva	nt when:
3_ Pipe	was answered with Yes.
т.	
	f_pipe] e of pipe
	one or more options:
	Metal
	PVC Upvc
	Plactic pipe
4_ Pum	pressurized_pipe_Mc] p pressurized pipe only one option:
noose	Yes
	No
	NA
Releva	nt when:
4_ Pum	p pressurized pipe was answered with Yes.
	f_pump_pressurized_pipe] be of pump pressurized pipe
	one or more options:
	Metal
	PVC Upvc
	Plactic pipe
there s	econdary_canal_SF]
	re secondary canal?
oose onl	y one option:
	Yes
	No
	NA
	• Relevant when:
	C.2_ Is there secondary canal? was answered with Yes.
	Secondary canal
	Secondary canar

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: Earth Concrete Stone/Brick [Pipe_se] 3_ Pipe: Choose only one option: Yes No O 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 Plactic pipe [Pump_pressurized_pipe_Se] 4_ Pump pressurized pipe Choose only one option: Yes No

NA

II —	Relevant when: A Pump pressurized pipe was answered with Yes.								
	[Type_of_pump_pressurized_pipe]								
		mp_pressurized pump pressuri z							
Cho		r more options:							
		etal							
		VC Upvc							
	Pl	actic pipe							
[Is the	ere_Tertia	rv SF l							
	s there Te								
Choose	e only one	option:							
	Yes								
0									
	NA								
				Relevant when	1:				
			C.3_ Is there Ter			s).			
				Tertiary					
			Photo r	elated to	Fertiary				
			El 4.1	Element 2	Element 3	Element 4	Element 5		
	Que	stion	Element 1	Element 2		Element .			
	Que	stion	Element 1	Element 2		Diement 1			
	Que	stion	Element 1	Element 2					
		iary	Element I	Exement 2		Escarent 1			
	Tert	iary	Element I	Element 2		Diement 1			
	Tert	iary	Element I	Benear 2		Ziciicai (
	Tert	iary	Element I	Science 2					
	Tert	iary	Element I	Science 2		Z.C.II.C.II.			
I	Tert	iary	Element I	Science 2					
I	Tert Description	iary on] on	Element I	Science 2					
	Tert Description Description	iary on] on	Element I						
	Tert Description Photo] Take photo	iary on] on	Element I						
	Tert Description Photo] Take photo	iary on] on	Element I						
	Tert Description Photo] Take photo	iary on] on	Element I						
	Tert Description Photo] Take photo	iary on] on	Element I						
	Tert Description Photo] Take photo	iary on] on							
	Tert Description Photo] Take photo	iary on] on		nta - Tertia					
	Tert Description Photo] Take photo mage:	iary on] on anal_km]							
	Tert Description Photo] Take photo mage:	iary on] on							
	Tert Description Photo] Take photo mage:	iary on] on anal_km]							
[Le 1_1	Tert Description Photo] Take photo Image:	iary on] on canal_km] canal (km)							
[Le 1_ I	Tert Description Photo] Take photo mage:	iary on] on canal_km] canal (km)							
[Le 1_ I] [Ca 2_ (Tert Description Photo] Take photo Image: Ength_of_o Length of Canal type Canal type Dose one of	canal_km] canal (km) e r more options:							
[Le 1_ I] [Ca 2_ (Tert Description Photo] Take photo Image: Ength_of_o Length of Canal type Canal type Dose one of	canal_km] canal (km)							
[Le 1_ I] [Ca 2_ (Tert Description Photo] Fake photo mage: cngth_of_c Length of Canal type oose one o Ea	canal_km] canal (km) e r more options: arth concrete							
[Le 1_ I] [Ca 2_ (Tert Description Photo] Fake photo mage: cngth_of_c Length of Canal type oose one o Ea	canal_km] canal (km) eer more options:							

3_ Pipe:	alte one oution.
	nly one option:
	Yes
0	No
	NA
Relevant	
3_ Pipe:	was answered with Yes.
Type_of_	nine l
3.1_ Type	
Choose on	ne or more options:
	Metal
	PVC Upvc
	Plactic pipe
Pump pi	ressurized_pipe_Te]
	pressurized pipe
	aly one option:
0	Yes
	No
	NA NA
	IVG
Relevant	
	me or more options: Metal
	PVC Upvc
	Plactic pipe
there Ca	anal_structures_SF]
_ Is there	e Canal structures?
oose only	one option:
0 7	Yes
0 1	No
0 1	NA
	• Relevant when:
	C.4_ Is there Canal structures? was answered with Yes.
	Canal structures
	Canal Structures
	Photo related to Canal structures
	rnoto related to Canal structures
	Question Element 1 Element 2 Element 3 Element 4 Element 5
	Zucoton Element 1 Element 2 Element 3 Element 4 Element 3

Question	Element 1	Element 2	Element 3	Element 4	Element 5
Canal structures					
[Description] Description					
[Photo] Take photo					
Image:					

	Data - Canal structures						
Off_tak							
1_ Off-ta							
Choose o	only one option: Yes						
	No						
	NA						
	112						
Stilling	basin]						
_ Stillin							
Choose o	only one option:						
	Yes						
	No						
	NA						
_ Check	structure] k structure only one option: Yes						
Choose o	x structure only one option: Yes No						
Check Choose o	only one option: Yes						
Choose o	x structure only one option: Yes No NA tructure]						
Choose o	x structure only one option: Yes No NA tructure] structure						
Choose o	x structure only one option: Yes No NA tructure] structure only one option:						
Choose o	x structure only one option: Yes No NA tructure] structure only one option: Yes						
Choose o	x structure only one option: Yes No NA tructure] structure only one option:						
3_ Check Choose o	x structure only one option: Yes No NA tructure] structure only one option: Yes No						
Choose o	x structure only one option: Yes No NA tructure] structure only one option: Yes No NA NA Lats_SF]						
3_ Check Choose o	x structure only one option: Yes No NA tructure] structure only one option: Yes No NA tructure only one option: Yes No NA tructure only one option: Yes No NA						
A Check Choose of Choose o	A structure only one option: Yes No NA tructure] structure only one option: Yes No NA uts_SF] out(s) only one option:						
S_Check Choose o	A structure only one option: Yes No NA tructure only one option: Yes No NA No NA Tructure only one option: Yes						
3_ Check Choose o	A structure only one option: Yes No NA tructure] structure only one option: Yes No NA uts_SF] out(s) only one option:						

	e only one option:
	Yes
	No
	NA
	structure]
7_ Tai	structure
Choose	e only one option:
	Yes
	No
	NA
	• Relevant when:
	VI.3 Source of water: was answered with Ground.
	was aniin ord with Stomas
	VI.3.2_ Groundwater
	_water_supply_surface] on water supply:
	y one option:
	Gravity
	Pump
	Pump/gravity
	1 dilip/gidvity
0	Other
0	Other
Relevant	Other when:
Relevant	Other
Celevant Irrigati	Other when: on water supply: was NOT answered with Answer "NA" not found;
Relevant _Irrigati	Other when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface]
Relevant _Irrigati Photo_Irrigoto_Irri	Other when: on water supply: was NOT answered with Answer "NA" not found;
Relevant _Irrigati	Other when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface]
Relevant _Irrigati Photo_Irrigoto_Irri	Other when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface]
Relevant _Irrigati Photo_Irriatoto_Irriate	Other when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply:
Relevant _Irrigati Photo_Irrigatooto_Irrigage:	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface]
Relevant _Irrigati Photo_Irrigatooto_Irrigage:	Other when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply:
Celevant _Irrigati hoto_Irrioto_Irriage: rrigation Irrigati	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface]
Relevant _Irrigati Photo_Irrioto_Irriage: rrigation Irrigati	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity?
Relevant _Irrigati Photo_Irrigation age: Irrigation Irrigation oose on	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply:
Relevant _Irrigati Photo_Irric	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes
Relevant _Irrigati Photo_Irrigationage: Irrigational Irrigations on the control of the control	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No
Relevant _Irrigati Photo_Irrigationage: Irrigational Irrigations on the control of the control	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No NA
Relevant _Irrigati Photo_Irri atoo_Irri age: rrigation Irrigati acose onl	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No NA
Relevant _Irrigati Photo_Irri atoo_Irri age: rrigation Irrigati acose onl	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No NA when:
Relevant _Irrigati Photo_Irrigation Irrigation Irrigation Relevant _Irrigati	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No NA when: on Water Conveyance by Gravity? was answered with Yes igation_Water_Conveyance_by_Gravity_surface]
Relevant _Irrigati Photo_Irrigation Irrigation Irrigation Relevant _Irrigati	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No NA when: on Water Conveyance by Gravity? was answered with Yes.
Relevant _Irrigati Photo_Irrigation Irrigation Irrigation Relevant _Irrigati	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No NA when: on Water Conveyance by Gravity? was answered with Yes igation_Water_Conveyance_by_Gravity_surface]
Relevant _Irrigati Photo_Irrigation Irrigation Irrigation Relevant _Irrigati	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No NA when: on Water Conveyance by Gravity? was answered with Yes igation_Water_Conveyance_by_Gravity_surface]
Relevant _Irrigati Photo_Irrigation Irrigation Irrigation Relevant _Irrigati	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No NA when: on Water Conveyance by Gravity? was answered with Yes igation_Water_Conveyance_by_Gravity_surface]
Relevant _Irrigati thoto_Irrigation Irrigation	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No NA when: on Water Conveyance by Gravity? was answered with Yes igation_Water_Conveyance_by_Gravity_surface]
Relevant _Irrigati thoto_Irrigation Irrigation	when: on water supply: was NOT answered with Answer "NA" not found; igation_water_supply_surface] igation water supply: Water_Conveyance_by_Gravity_surface] on Water Conveyance by Gravity? ly one option: Yes No NA when: on Water Conveyance by Gravity? was answered with Yes igation_Water_Conveyance_by_Gravity_surface]

	main_canal]					
	ly one option:					
	Yes					
	No					
	NA					
			Relevant when:			
		Is there main car				
		M	ain Canal	ls		
		Photo rela	ted to Ma	in Canals		
	Question	Element 1	Element 2	Element 3	Element 4	Element 5
M	ain Canals					
	scription]					
Desc	cription					
[Pho	oto] e photo					
Imag						
IIIIag	gc.					
		Data	- Main Ca	nals		
		Data	- Main Ca	iliais		
	h_of_canal_km]					
1_ Leng	gth of canal (km)					
[Canal	type 1					
2_Can						
	one or more options:					
	Earth					
	Concrete					
	Stone/Brick					
[Pipe_r	mc1]					
3_ Pipe						
	only one option:					
0	Yes					
	No					
	NA					

(_ F - ')	t when: was answered with Yes).			
[T					
[Type_of_ 3.1_ Type					
	ne or more options:				
	Metal				
	PVC Upvc				
	Plactic pipe				
[Pump_p	ressurized_pipe_mc1]				
4_ Pump	pressurized pipe				
	nly one option:				
0	Yes				
0	No				
	NA				
D 1	. 1				
• Relevant	t when: pressurized pipe was an	awarad with	Zoo		
4_ Pump	pressurized pipe was an	swered with 1	ies j.		
	_pump_pressurized_pipe				
	of pump pressurized pi				
	ne or more options:				
	Metal				
	PVC Upvc				
	Plactic pipe				
	Yes No				
0 1	NA				
	Is there		evant when:	arad with Vac	
	Is there	• Relessecondary can		ered with Yes	
	Is there	secondary can		ered with Yes	
		secondary can	was answe		
		Secondary can	was answe		Element :
	Photo	Secondary can	al? was answe	ary canal	Element 5
Seco	Photo	Secondary can	al? was answe	ary canal	Element :
	Photo Question ondary canal	Secondary can	al? was answe	ary canal	Element :
[Descr	Photo Question ondary canal ription]	Secondary can	al? was answe	ary canal	Element 5
	Photo Question ondary canal ription]	Secondary can	al? was answe	ary canal	Element 5
[Descr	Photo Question ondary canal ription]	Secondary can	al? was answe	ary canal	Element 5
[Descri	Photo Question ondary canal ription] ption	Secondary can	al? was answe	ary canal	Element 5
[Descr	Photo Question ondary canal ription] ption	Secondary can	al? was answe	ary canal	Element 5
[Descri	Photo Question ondary canal ription ption	Secondary can	al? was answe	ary canal	Element 5
[Descri	Photo Question ondary canal ription ption	Secondary can	al? was answe	ary canal	Element 5
[Descri	Photo Question ondary canal ription ption	Secondary can	al? was answe	ary canal	Element 5

	Data - Secondary
[Length_of_canal_k 1_ Length of canal (
[Canal_type] 2_ Canal type	
Choose one or more	options:
Earth	
Concrete	
Stone/Bri	ıck
[Pipe_mc2] 3_ Pipe:	
Choose only one opti	ion:
Yes	
O No	
O NA	
• Relevant when: 3_ Pipe: was answer [Type_of_pipe] 3.1_ Type of pipe Choose one or more	
Metal	
PVC Upv	vc
Plactic pi	pe
Pump_pressurized_ 4_Pump pressurized Choose only one opti Yes No NA	d pipe
• Relevant when: 4_ Pump pressurized [Type_of_pump_pre 4.1_ Type of pump p	
Choose one or more	options:
Metal	
PVC Upv	
Plactic pi	pe
Is_there_Tertiary] s there Tertiary? hoose only one option Yes No	:
O 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
Tertiary					
[Description] Description					
[Photo] Take photo					
Image:					

Data - Tertiary						
	of_canal_km] h of canal (km)					
[Canal_t 2_ Canal						
Choose o	ne or more options:					
	Earth					
	Concrete					
	Stone/Brick					
0	Yes No NA					
• Relevant 3_ Pipe: [Type_of 3.1_ Type	was answered with Yes. f_pipe]					
	ne or more options:					
	Metal					
	PVC Upvc					
	Plactic pipe					
4_ Pump	oressurized_pipe_mc3] o pressurized pipe					
	nly one option:					
0	Yes					
0	No					
	NA					

	ant when: ap pressurized pipe was an	swered with Y	es.			
	of_pump_pressurized_pipe					
	pe of pump pressurized pi	ipe				
Choose	one or more options: Metal					
	PVC Upvc					
	Plactic pipe					
	11					
	Canal_structures]					
	anal structures?					
oose onl	y one option: Yes					
	No					
0	NA					
	J					
			evant when:			
	Is there	Canal structure	s? was answe	red with Yes		
		Canal	structure	ıc.		
		Callai	sti uctui c	3		
	Photo	o related t	o Canal s	tructures	,	
			1	I	I	1
	Question	Element 1	Element 2	Element 3	Element 4	Element 5
Ca	nal structures					
[Des	scription]					
[Des						
[Des Desc	scription] ription					
[Desc	ription pription priorition prior					
[Pho	scription] ription sto] photo					
[Desc	scription] ription sto] photo					
[Pho	scription] ription sto] photo					
[Pho	scription] ription sto] photo					
[Pho	scription] ription sto] photo					
[Pho	coription] ription oto] riphoto e:	Data - Ca	nal struct	ures		
[Pho Take Imag	excription] ription oto] photo e:	Data - Ca	nal struct	ures		
[Pho Take Imag	scription] ription oto] photo e: g_basin]	Data - Ca	nal struct	ures		
[Des Description of Photograms of Photogram	scription] ription oto] riphoto e: g_basin] ng basin	Data - Ca	nal struct	tures		
[Des Description of Photograms of Photogram	scription] ription oto] photo e: g_basin]	Data - Ca	nal struct	ures		
[Des Description of Photographics Photograp	scription] ription sto] photo e: g_basin] ng basin only one option:	Data - Ca	nal struct	ures		
[Des Description of the content of	g_basin] ng basin only one option:	Data - Ca	nal struct	ures		
[Des Description of the control of	g_basin] ng basin only one option: Yes No NA	Data - Ca	nal struct	cures		
[Des Desci	g_basin] ng basin only one option: Yes No NA	Data - Ca	nal struct	tures		
[Pho Take Imag	g_basin] ng basin only one option: Yes No NA structure]	Data - Ca	nal struct	cures		
[Pho Take Imag	g_basin] ng basin only one option: Yes No NA	Data - Ca	nal struct	tures		
[Des Description of the control of	g_basin] ng basin only one option: Yes No NA Structure] ck structure only one option:	Data - Ca	nal struct	ures		

	structure nly one option:					
Choose o.	Yes					
	No					
	NA					
	IVA					
[Turn_ou	ıts]					
4_ Turn-						
Choose o	nly one option:					
	Yes					
	No					
	NA					
• Relevan		N. N.				
4_ Turn-	out(s) was answered with	n No.				
[If turn	out_No_specify]					
	rn-out No, specify?					
-	- •					
[Side_sp						
	=					
Choose of	nly one option:					
	No					
	NA NA					
	INA					
	nly one option: Yes					
0						
	Yes					
0	Yes No NA					
• Relevan	Yes No NA t when:	was anaw	aread with Voc			
• Relevan	Yes No NA	ves?] was answe	ered with Yes].		
• Relevan	Yes No NA t when:	ves? was answe	ered with Yes),		
• Relevan 6_ Press: [If_yes_'	Yes No NA It when: urized pipe structures, value	ves?] was answe	ered with Yes].		
• Relevan 6_ Press: [If_yes_'	Yes No NA It when: urized pipe structures, valuation What_type_of_valve]	ves?) was answe	ered with Yes).		
• Relevan 6_ Press: [If_yes_'	Yes No NA It when: urized pipe structures, valuation What_type_of_valve]	ves?) was answe	ered with Yes],		
• Relevan 6_ Press: [If_yes_'	Yes No NA It when: urized pipe structures, valuation What_type_of_valve]	ves?) was answe	ered with Yes].		
• Relevan 6_ Press: [If_yes_'	Yes No NA It when: urized pipe structures, valuation What_type_of_valve]	ves? was answe	ered with Yes),		
• Relevan 6_ Press: [If_yes_'	Yes No NA It when: urized pipe structures, value What type of valve Ses, What type of valve					
• Relevan 6_ Press: [If_yes_'	Yes No NA It when: urized pipe structures, valuation What_type_of_valve]				attern	
• Relevan 6 Press [If yes \(\) 6.1 If ye	Yes No NA It when: urized pipe structures, value What_type_of_valve] es, What type of valve VI.4_ Cropp				attern	
• Relevan 6_ Press: [If_yes_'	Yes No NA It when: urized pipe structures, value What_type_of_valve] es, What type of valve VI.4_ Cropp ear]				attern	
• Relevan 6_ Press [If yes_\text{'} 6.1_ If ye op_per_y(p per yea	Yes No NA It when: urized pipe structures, value What_type_of_valve] es, What type of valve VI.4_ Cropp ear]				attern	
• Relevan 6 Press [If yes \ \] op_per_ye p per yea ose one o	Yes No NA It when: urized pipe structures, value What type of valve VI.4_ Cropp ear]				attern	
• Relevan 6 Press [If yes_' 6.1_ If ye op_per_y(p per yea ose one o	Yes No NA It when: urized pipe structures, valuation What type of valve VI.4_ Cropp ear] ur r more options:				attern	
• Relevan 6_ Press [If _yes_\tau 6.1_ If ye op_ per_yea ose one o	Yes No NA It when: urized pipe structures, value What_type_of_valve] es, What type of valve VI.4_ Cropp ear] or r more options: 1]				attern	
• Relevan 6_ Press [If _yes_\tau 6.1_ If ye op_ per_yea ose one o	Yes No NA It when: urized pipe structures, value What type of valve VI.4_ Cropp ear] ur r more options: 1]				attern	
• Relevan 6_ Press [If _yes_\tau 6.1_ If ye op_ per_yea ose one o	Yes No NA It when: urized pipe structures, value What type of valve VI.4_ Cropp ear] ur r more options: 1]				attern	
• Relevan 6_ Press [If _yes_\tau 6.1_ If ye op_ per_yea ose one o	Yes No NA It when: urized pipe structures, value What type of valve VI.4_ Cropp ear] ur r more options: 1] 2] 3]		der and c	ropping p	attern	
• Relevan 6_ Press [If _yes_\tau 6.1_ If ye op_ per_yea ose one o	Yes No NA It when: urized pipe structures, value What_type_of_valve] es, What type of valve VI.4_ Cropp ear] or r more options: 1] 2] 3]	oing calend	der and co	ropping p		
• Relevan 6_ Press [If _yes_\tau_ op_ per_yea ose one o	Yes No NA It when: urized pipe structures, value What_type_of_valve] es, What type of valve VI.4_ Cropp ear] or r more options: 1] 2] 3]	oing calend	der and co	ropping p		

Question	Element 1	Element 2	Element 3	Element 4	Element 5
Crops wet season					
[Description] Description					
[Photo] Take photo					
Image:					

Take p					
Image:					
		⁾			
		Data Cw	one wet so	acon	
		Data - Cro	ops wet se	asun	
Rice_ws	;]				
_ Rice					
	nly one option:				
	Yes				
0	No				
	NA				
D 1	. 1				
Relevan	t when: was answered with Yes				
I_ Rice	was answered with Yes	5) .			
If ves h	now_many_ha_rice]				
	s, how many ha?				
.ı_ ıı ye	s, now many na.				
**					
Vegetabl					
_ Vegeta					
	nly one option:				
	Yes				
	No				
	NA				
Relevan	t when:				
2_ Veget	ables was answered with	h Yes.			
	now_many_ha_Veg]				
2.1_ 11 ye	s, how many ha?				
Other c	rops_ws]				
Contract Contra					
_	nly one option:				
0	Yes				
	No				
	NA				
	IVA				
Relevan	t when:				
	crops was answered with	th Yes			
311101					
If_yes_v	what_type_of_crop_1_ws	;]			
	s, 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?
 [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

Element 5

Photo related to Crops dry season Question Element 1 Element 2 Element 3 Element 4

Crops dry season [Description] Description [Photo] Take photo Image:

Data - Crops dry season

[Rice] 1_ Rice	
Choose onl	y one option:
	Yes
	No
	NA
	101
[If_yes_ho	when: was answered with Yes. bw_many_ha_rice] how many ha?
[Vegetable 2_ Vegetab	
	y one option:
Choose on	Yes
	No No
	NA
[If_yes_ho	was answered with Yes . bw_many_ha_Veg] show many ha?
Other_cro	
	NA
[If_yes_wl 3.1_ If yes. • Relevant 3.1_ If yes.	was answered with Yes. hat_type_of_crop_1] , what type of crop-1?
	when: s, what type of crop-1? was NOT answered with ". hat_type_of_crop_2]
	what type of crop-2?
	s, what type of crop-2? was NOT answered with ".
	ow_many_ha_2] es, how many ha-2?

L_1_ Workmanship satisfactory? (visual inspection) Choose only one option:	*Relevant when: 3.3 if yes, what type of crop-3? was NOT answered with ".		ves, what type of crop-2? was NOT answered with ".
3.3. If yes, how many ha 3 3.3.1_ If yes, how many ha 4 3.	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: - Type of surface water? was answered with Reservoir. 1)_ Reservoir - offtake Workmanship - Type of surface water? was answered with Reservoir. 1)_ Reservoir - offtake Workmanship satisfactory? visual inspection) Choose only one option: - excellent - good - fair - poor - very bad - NA Photo_Workmanship satisfactory? visual inspection) Cleanliness_work - Cleanliness work satisfactory? visual inspection) Cleanliness work satisfactory? visual inspection) - excellent - good - fair - poor - very bad - NA Photo_Cleanliness work - Photo_Cleanliness work satisfactory?		
VI.5_ Technical compliance Relevant when: 1_ Type of surface water? was answered with Reservoir. 1)_ Reservoir - offtake Workmanship 1 Workmanship satisfactory? visual inspection) cexcellent poor very bad NA Photo Workmanship satisfactory? mage: Cleanliness work 1_2_ Cleanliness work satisfactory? visual inspection) Choose only one option: cexcellent poor very bad NA Photo_Workmanship Photo_Workmanship satisfactory? visual inspection) Choose only one option: cexcellent good fair poor very bad	Selevant when: 1_Type of surface water? was answered with Reservoir 1_Type of surface water? 1_Type of surface water? was answered with Reservoir 1_Type of surface water? 1_Typ	• Releva	nt when:
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: • excellent • good • fair • poor • very bad • NA Photo_Workmanship Photo_Workmanship satisfactory? image: Cleanliness work 1_2_ Cleanliness work satisfactory? visual inspection) Choose only one option: • excellent • good • fair • poor • very bad	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: c excellent good fair poor very bad NA Photo_Workmanship satisfactory? image: Cleanliness_work 1_2_ Cleanliness work satisfactory? wisual inspection) Choose only one option: c excellent good fair poor very bad NA Photo_Cleanliness_work NA Photo_Cleanliness_work NA Photo_Cleanliness_work NA Photo_Cleanliness_work Photo_Cleanliness_work satisfactory?	3.3_ If y	ves, what type of crop-3? was NOT answered with ".
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: • excellent • good • fair • poor • very bad • NA Photo_Workmanship Photo_Workmanship satisfactory? image: Cleanliness work 1_2_ Cleanliness work satisfactory? visual inspection) Choose only one option: • excellent • good • fair • poor • very bad	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: c excellent good fair poor very bad NA Photo_Workmanship satisfactory? image: Cleanliness_work 1_2_ Cleanliness work satisfactory? wisual inspection) Choose only one option: c excellent good fair poor very bad NA Photo_Cleanliness_work NA Photo_Cleanliness_work NA Photo_Cleanliness_work NA Photo_Cleanliness_work Photo_Cleanliness_work satisfactory?	[If ves	how many ha 3]
*Relevant when: 1_Type of surface water? was answered with Reservoir. 1)_Reservoir - offtake Workmanship 1_1_Workmanship satisfactory? Workmanship satisfactory? Workmanship 0 0 0 0 0 0 0 0 0 0	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: excellent good fair poor very bad NA Photo_Workmanship Photo_Workmanship satisfactory? (Cleanliness_work 1_2_Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad NA Photo_Cleanliness_work Photo_Cleanlin		
*Relevant when: 1_Type of surface water? was answered with Reservoir. 1)_Reservoir - offtake Workmanship 1_1_Workmanship satisfactory? Workmanship satisfactory? Workmanship 0 0 0 0 0 0 0 0 0 0	• Relevant when: 1 _ Type of surface water?) was answered with Reservoir. 1) _ Reservoir - offtake Workmanship]		
*Relevant when: 1_Type of surface water? was answered with Reservoir. 1)_Reservoir - offtake Workmanship 1_1_Workmanship satisfactory? Workmanship satisfactory? Workmanship 0 0 0 0 0 0 0 0 0 0	• Relevant when: 1 _ Type of surface water?) was answered with Reservoir. 1) _ Reservoir - offtake Workmanship]		
*Relevant when: 1_Type of surface water? was answered with Reservoir. 1)_Reservoir - offtake Workmanship 1_1_Workmanship satisfactory? Workmanship satisfactory? Workmanship 0 0 0 0 0 0 0 0 0 0	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: excellent good fair poor very bad NA Photo_Workmanship Photo_Workmanship satisfactory? (Cleanliness_work 1_2_Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad NA Photo_Cleanliness_work Photo_Cleanlin		
Type of surface water? was answered with Reservoir	1_ Type of surface water? was answered with Reservoir. 1_ Reservoir - offtake 1_ Workmanship] 1_1_ Workmanship satisfactory? **Visual inspection** Choose only one option: excellent		VI.5_ Technical compliance
Workmanship L_1_Workmanship satisfactory? visual inspection) Choose only one option:	Workmanship 1_1_Workmanship satisfactory? Vivisual inspection excellent good fair poor very bad NA Photo_Workmanship Photo_Workmanship satisfactory? Visual inspection case ca		
Workmanship L_1_Workmanship satisfactory? visual inspection) Choose only one option:	Workmanship 1_1_Workmanship satisfactory? Vivisual inspection) Choose only one option: excellent good fair poor very bad NA Photo_Workmanship Photo_Workmanship Ploto_Cleanliness work satisfactory? Vivisual inspection) Choose only one option: excellent good fair poor very bad NA Photo_Cleanliness_work Photo_Cleanliness_work satisfactory?		
L_1_Workmanship satisfactory? visual inspection) Choose only one option:	I_1_Workmanship satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad NA Photo_Workmanship] Photo_Workmanship satisfactory? I_2_ Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad NA Photo_Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad NA		
excellent good fair poor very bad NA Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work] L_2_ Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad	excellent good fair poor very bad NA Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work] 1_2_Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad NA Photo_Cleanliness_work] Photo_Cleanliness_work] Photo_Cleanliness_work] Photo_Cleanliness_work] Photo_Cleanliness work satisfactory?	1_1_ Wor	kmanship satisfactory?
good fair poor very bad NA Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work] 1_2_ Cleanliness work satisfactory? Visual inspection) Choose only one option: excellent good fair poor very bad	good fair poor very bad NA Photo_Workmanship] Photo_Workmanship satisfactory? image: Cleanliness_work] L_2_Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad NA Photo_Cleanliness_work] Photo_Cleanliness_work] Photo_Cleanliness_work atisfactory?		
fair poor very bad NA Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work] 1_2_ Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad	fair poor very bad NA Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work] 1_2_Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad NA Photo_Cleanliness_work] Photo_Cleanliness_work]		
poor very bad NA Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work]	poor very bad NA Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work]		
very bad NA Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work]	very bad NA Photo_Workmanship Photo_Workmanship satisfactory? mage: Cleanliness work		
Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work] L_2_Cleanliness work satisfactory? visual inspection) Choose only one option:	Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work]		
Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work] 2_ Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad	Photo_Workmanship] Photo_Workmanship satisfactory? mage: Cleanliness_work]		very had
Cleanliness_work] L_2_Cleanliness work satisfactory? visual inspection) Choose only one option: excellent good fair poor very bad	Photo_Workmanship satisfactory? mage: Cleanliness_work] 1_2_ Cleanliness work satisfactory? visual inspection) Choose only one option:		
I_2_ Cleanliness work satisfactory? (visual inspection) Choose only one option: excellent good fair poor very bad	## Cleanliness work satisfactory? Choose only one option: excellent	0	NA
Choose only one option: choose only one option: excellent good fair poor very bad	Choose only one option: excellent good fair poor very bad NA Photo_Cleanliness_work] Photo_Cleanliness work satisfactory?	Photo_W	NA /orkmanship]
excellent good fair poor very bad	excellent good fair poor very bad NA Photo_Cleanliness_work] Photo_Cleanliness work satisfactory?	Photo_Westinger: Cleanline 2_ Clean	Vorkmanship] orkmanship satisfactory? ess_work] nliness work satisfactory?
good fair poor very bad	good fair poor very bad NA Photo_Cleanliness_work] Photo_Cleanliness work satisfactory?	Photo_W Photo_W Image:	Vorkmanship] orkmanship satisfactory? ess_work] mliness work satisfactory? esction)
fair poor very bad	fair poor very bad NA Photo_Cleanliness_work] Photo_Cleanliness work satisfactory?	Photo_W Photo_W Image: Cleanlint 1_2_Clea Visual insp Choose or	/orkmanship] orkmanship satisfactory? ess_work] mliness work satisfactory? ection) uly one option:
poorvery bad	poor very bad NA Photo_Cleanliness_work] Photo_Cleanliness work satisfactory?	Photo_W Photo_W mage: Cleanline _2_ Clea visual insp Choose or	Vorkmanship] orkmanship satisfactory? ess_work] nliness work satisfactory? nection) tly one option: excellent
very bad	very bad NA Photo_Cleanliness_work] Photo_Cleanliness work satisfactory?	Photo_W Photo_W mage: Cleanlin L_2_Clea visual insp	Vorkmanship] orkmanship satisfactory? ess_work] nliness work satisfactory? nection) aly one option: excellent good
	NA Photo_Cleanliness_work] Photo_Cleanliness work satisfactory?	Photo_Website Photo_Website Photo_Website Photo_Website Photo_Website Photose or Photose	/orkmanship] orkmanship satisfactory? ess_work] mliness work satisfactory? ection) ely one option: excellent good fair
	Photo_Cleanliness work satisfactory?	Photo_Wender Photo_Wender Photo_Wender Photo_Wender Photo_Wender Photose Photose or Phot	/orkmanship] orkmanship satisfactory? ess_work] nliness work satisfactory? eection) ely one option: excellent good fair poor
	Photo_Cleanliness work satisfactory?	Photo_W Photo_W Cleanlin L_2_Clea Visual insp Choose or	Vorkmanship] orkmanship satisfactory? ess_work] nliness work satisfactory? nection) aly one option: excellent good fair poor very bad
	!mage:	[Cleanlim 1_2_ Clea (visual insp Choose or	/orkmanship] orkmanship satisfactory? ess_work] nliness work satisfactory? nection) ely one option: excellent good fair poor very bad NA
		[Cleanlim 1_2_ Clea (visual insp Choose or	orkmanship] orkmanship satisfactory? ess_work] inliness work satisfactory? ection) aly one option: excellent good fair poor very bad NA leanliness_work]
Photo_Cleanliness work satisfactory?		Photo_Wellmage: Cleanlint 1_2_Clea Choose or Photo_C	orkmanship] orkmanship satisfactory? ess_work] inliness work satisfactory? ection) aly one option: excellent good fair poor very bad NA leanliness_work]

					nly one option:	
					excellent	
					good	0
					fair	
					poor	0
					very bad	0
					NA	0
				factory?	Concrete_work] oncrete work satist	
					vorks_including_any th works including pection) nly one option:	_4_ Eart visual insp
					excellent	
					good	
					fair	
					poor	
					Earth_works_includ	
		:	Relevant when			
	voir).	ered with Reser	vater? was answ	Type of surface v	1_	
	-					
			o related to			
Element 5	Element 4	Preservoir Element 3	o related to	1_)_ Phot	Question	
Element 5					Question	
Element 5					eservoir	re
Element 5					eservoir ription] iption	re
					th works including pection) nly one option: excellent good fair	_4_ Eart

2)_ Lake (offtake)

	pection)
	ly one option:
	excellent
	good
	fair
	poor
	very bad
	NA
	Vorkmanship] orkmanship satisfactory?
2 Clea isual insp	ess_work] unliness work satisfactory? election) uly one option:
	excellent
	good
	fair
	poor
	very bad NA
hoto_Cl	leanliness_work] eanliness work satisfactory?
Concrete 3 Con isual insphoose or	eanliness work satisfactory? e_work] crete work satisfactory? nection) nly one option: excellent good
Concrete 3_ Con issual insp hoose or	eanliness work satisfactory? e. work] crete work satisfactory? exection) ally one option: excellent good fair
Concrete 3_ Con isual insp hoose or	eanliness work satisfactory? c_work] crete work satisfactory? nection) ally one option: excellent good fair poor
Concrete 3_Con isual insp hoose or	eanliness work satisfactory? e_work] crete work satisfactory? ecction) ally one option: excellent good fair poor very bad
Concrete 3_ Con isual insp hoose or	eanliness work satisfactory? c_work] crete work satisfactory? nection) ally one option: excellent good fair poor
Concrete 3 Con isual insp hoose or Photo Co	eanliness work satisfactory? e_work] crete work satisfactory? ecction) ally one option: excellent good fair poor very bad
Concrete 3_ Con isual insp hoose or Photo_Co hoto_Co nage: Earth_w 4_ Earti isual insp	eanliness work satisfactory? ework] crete work satisfactory? election) ally one option: excellent good fair poor very bad NA oncrete_work] oncrete work satisfactory? alth works including any protection astisfactory election)
Concrete 3_ Con isual insp hoose or Photo_Co hoto_Co nage: Earth_w 4_ Earti isual insp hoose or	eanliness work satisfactory? e. work] crete work satisfactory? eection) ally one option: excellent good fair poor very bad NA oncrete_work] encrete work satisfactory? the works including any protection astisfactory] the works including any protection astisfactory eection) ally one option:
Concrete 3_ Con isual insp hoose or Photo_Co hoto_Co nage: Earth_w 4_ Earti isual insp hoose or	eanliness work satisfactory? e.work] crete work satisfactory? eection) ally one option: excellent good fair poor very bad NA oncrete_work] oncrete work satisfactory? crete work satisfactory? crete work satisfactory? crete work satisfactory] th works including any protection astisfactory excellent ally one option: excellent
Concrete 3_ Con isual insp hoose or Photo_Co hoto_Co nage: Earth_w 4_ Earti isual insp hoose or	eanliness work satisfactory? e. work] crete work satisfactory? eection) ally one option: excellent good fair poor very bad NA oncrete_work] encrete work satisfactory? the works including any protection astisfactory] the works including any protection astisfactory eection) ally one option:
Concrete 3_ Con isual insp hoose or Photo_Co hoto_Co nage: Earth_w 4_ Earti isual insp hoose or	eanliness work satisfactory? e.work] crete work satisfactory? eection) ally one option: excellent good fair poor very bad NA oncrete_work] oncrete work satisfactory? crete work satisfactory? crete work satisfactory? crete work satisfactory] th works including any protection astisfactory excellent ally one option: excellent
Concrete 3_Con isual insp hoose or Photo_Co hoto_Co mage: Earth_w 4_Eart isual insp hoose or	eanliness work satisfactory? e. work] crete work satisfactory? eection) ally one option: excellent good fair poor very bad NA oncrete_work] oncrete work satisfactory? orks_including_any_protection_astisfactory] th works including any protection astisfactory eection) ally one option: excellent good
Concrete 3 Con Concrete 3 Con Choose or Photo Co Choto Co mage: Earth_w 4 Earth Choose or	eanliness work satisfactory? coverte work satisfactory? excellent good fair poor very bad NA oncrete_work] oncrete work satisfactory? th works including any protection astisfactory excellent good good fair poor very bad NA oncrete_work] oncrete_work satisfactory?

[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					
[Photo] Take photo					
Image:					

• Relevant when:

1_ Type of surface water? was answered with River.

3)_ River (head regulator including downstream channel)

[Workma 1_1_ Workma (visual ins)	rkmanship satisfactory?
Choose of	nly one option:
	excellent
	good
	fair
	poor
	very bad
	NA

[Photo_Workmanship]
Photo_Workmanship satisfactory?
Image:

	[Cleanlines 1_2_ Clear (visual inspe	nliness work satisfactory?
(Choose onl	y one option:
		excellent
		good
		fair
		poor
		very bad
		NA .

Image:	eanliness work satisfactory?
	crete work satisfactory?
(visual insp	
Choose or	excellent
	good
	fair
	poor
	very bad
	NA NA
	oncrete_work] oncrete work satisfactory?
Photo_Co Image: [Earth_w 1_4_ Eart	oncrete work satisfactory? orks_including_any_protection_astisfactory] th works including any protection astisfactory
Photo_Co Image: [Earth_w 1_4_ Eart (visual insp	orks_including_any_protection_astisfactory] th works including any protection astisfactory spection)
Photo_Co Image: [Earth_w 1_4_ Eart (visual insp	orks_including_any_protection_astisfactory] th works including any protection astisfactory opection) nly one option:
Photo_Co Image: [Earth_w 1_4_ Eart (visual insp Choose or	orks_including_any_protection_astisfactory] th works including any protection astisfactory spection)
Photo_Co Image: [Earth_wo 1_4_ Eart (visual insp Choose or	orks_including_any_protection_astisfactory] th works including any protection astisfactory pection) nly one option: excellent
[Earth_w. 1_4_Eart (visual insp.	orks_including_any_protection_astisfactory] th works including any protection astisfactory pection) nly one option: excellent good
[Earth_w 1_4_ Eart (visual insp	orks_including_any_protection_astisfactory] th works including any protection astisfactory pection) ally one option: excellent good fair
[Earth_we 1_4_ Earth (visual inspections) Choose or	orks_including_any_protection_astisfactory] th works including any protection astisfactory pection) nly one option: excellent good fair poor
Photo_Co Image: [Earth_w 1_4_ Eart (visual insp Choose or	orks_including_any_protection_astisfactory] th works including any protection astisfactory protection) aly one option: excellent good fair poor very bad

• 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/Offtake

	4)_ Intake/Offiake					
[Workman 1_1_ Work (visual inspec	xmanship satisfactory?					
Choose onl	y one option:					
	excellent					
	good					
	fair					
	poor					
	very bad					
0	NA					
	[Photo_Workmanship] Photo_Workmanship satisfactory? Image:					
(visual inspe	nliness work satisfactory? ection)					
	y one option:					
0	excellent					
0	good					
0	fair					
0	poor					
0	very bad					
	NA					
[Photo_Cleanliness_work] Photo_Cleanliness work satisfactory? Image:						
Photo_Cle						
Photo_Cle Image: [Concrete_ 1_3_ Conc. (visual inspector)	work] work rete work satisfactory? ection) y one option:					
Photo_Cle Image: [Concrete 1_3_ Conc (visual inspections) Choose onl	work] rete work satisfactory? ection) y one option: excellent					
Photo_Cle Image: [Concrete 1_3_Conc (visual inspec) Choose onl	work] work] rete work satisfactory? excition) by one option: excellent good					
Photo_Cle Image: [Concrete_ 1_3_Conc (visual inspector) Choose onl	work] rete work satisfactory? ection) y one option: excellent good fair					
Photo_Cle Image: [Concrete 1_3_Conc (visual inspections) Choose onl	work] rete work satisfactory? ection) y one option: excellent good fair poor					
Photo_Cle Image: [Concrete 1_3_Conc (visual inspections) Choose onl	work] work rete work satisfactory? extion) y one option: excellent good fair poor very bad					
Photo_Cle Image: [Concrete 1_3_Conc (visual inspections) Choose onl	work] rete work satisfactory? ection) y one option: excellent good fair poor					
Photo_Cle Image: [Concrete 1_3_Conc (visual inspector) Choose onl [Photo_Ccc	work] work rete work satisfactory? extion) y one option: excellent good fair poor very bad					
Photo_Cle Image: [Concrete_ 1_3_Conc (visual inspector) Choose onl [Photo_Co Photo_Co Image: [Water_so 1_4_ Water	work] rete work satisfactory? section) y one option: excellent good fair poor very bad NA nucrete_work] nucrete work satisfactory? r sources protection_work_satisfactory?					
Photo_Cle Image: [Concrete_ 1_3_Conc (visual inspector) Choose onl [Photo_Concentration Image: [Water_son 1_4_ Water Choose onl	work] rete work satisfactory? section) y one option: excellent good fair poor very bad NA NA sucrete_work] nerete work satisfactory? urces_protection_work_satisfactory] r sources protection work satisfactory? y one option:					
Photo_Cle Image: [Concrete 1_3_ Conc (visual inspector) Choose onl [Photo_Co Photo_Co Image: [Water_so 1_4_ Water Choose onl	work] rete work satisfactory? section) y one option: excellent good fair poor very bad NA secrete work satisfactory? rete work satisfactory? resurces protection work satisfactory? y one option: Yes					
Photo_Cle Image: [Concrete_ 1_3_Conc (visual inspector) Choose onl [Photo_Concentration Image: [Water_son 1_4_ Water Choose onl	work] rete work satisfactory? section) y one option: excellent good fair poor very bad NA NA sucrete_work] nerete work satisfactory? urces_protection_work_satisfactory] r sources protection work satisfactory? y one option:					

Photo_W mage:	ater sources protection work satisfactory?
	vater_source_supplied_round_year] the water source supplied round-year?
Choose or	nly one option:
	Yes
	No
	NA
	s_the_water_source_supplied_round_year] the water source supplied round-year?
	are_all_pumps_installed_and_operational] aps, are all pumps installed and operational?
	aly one option:
	Yes
	No
0	NA
Gated s	tructure are all valves slide gates installed and operational l
1_7_ Gate Choose or	tructure_are_all_valves_slide_gates_installed_and_operational] ed structure are all valves/slide gates installed and operational? ally one option:
1_7_ Gate Choose or	ed structure are all valves/slide gates installed and operational? ally one option: Yes
1_7_ Gate	ed structure are all valves/slide gates installed and operational? ally one option: Yes No
1_7_ Gate Choose or	and structure are all valves/slide gates installed and operational? Yes No NA Na atted_structure_are_all_valves_slide_gates_installed_and_operational]
1_7_ Gate Choose or [Photo_G Photo_Gate Image: [Is_there 1_8_ Is there Choose or	ed structure are all valves/slide gates installed and operational? Yes No NA Attended structure are all valves slide gates installed and operational] attend structure are all valves/slide gates installed and operational? a flushing system installed and operational] there a flushing system installed and operational? Ally one option: Yes
1_7_ Gate Choose of Photo_G Photo_G Image: [Is_there 1_8_ Is there	ed structure are all valves/slide gates installed and operational? No NA Stated_structure_are_all_valves_slide_gates_installed_and_operational] a_flushing_system_installed_and_operational]
1_7_ Gate Choose of Choose of Photo_G Image: [Is_there 1_8_ Is th Choose of	ed structure are all valves/slide gates installed and operational? Yes No NA Attended structure are all valves slide gates installed and operational] attend structure are all valves/slide gates installed and operational? a flushing system installed and operational] there a flushing system installed and operational? Ally one option: Yes
1_7_ Gate Choose or [Photo_G Photo_G Image: [Is_there 1_8_ Is the Choose or	ed structure are all valves/slide gates installed and operational? No NA ated_structure_are_all_valves_slide_gates_installed_and_operational] ated structure are all valves/slide gates installed and operational? a_flushing_system_installed_and_operational] tere a flushing system installed and operational? ally one option: Yes No
1_7_Gate Choose of Choose of Photo_G Image: [Is_there 1_8_ Is th Choose of [Photo_Is Photo_Is Image:	ed structure are all valves/slide gates installed and operational? Ally one option: Yes No NA Pated_structure_are_all_valves_slide_gates_installed_and_operational] ated structure are all valves/slide gates installed and operational? a_flushing_system_installed_and_operational? ally one option: Yes No NA S_there_a_flushing_system_installed_and_operational]
1_7_ Gate Choose of [Photo_G Photo_G Image: [Is_there 1_8_ Is th Choose of [Photo_Is Photo_Is Image: [Is_there 1_9_ Is there	ed structure are all valves/slide gates installed and operational? ally one option: Yes No NA inted_structure are all_valves_slide_gates_installed_and_operational] ated structure are all valves/slide gates installed and operational? a_flushing_system_installed_and_operational] are a flushing system_installed and operational? ally one option: Yes No NA is_there_a_flushing_system_installed_and_operational] there a flushing system_installed_and_operational] there a flushing_system_installed_and_operational] there a flushing_system_installed_and_operational?
1_7_ Gate Choose of [Photo_G Photo_G Image: [Is_there 1_8_ Is th Choose of [Photo_Is Photo_Is Image: [Is_there 1_9_ Is there	a flushing system installed and operational? bere a flushing system installed and operational? No NA NA There a flushing system installed and operational?
1_7_ Gate Choose of [Photo_G Photo_G Image: [Is_there 1_8_ Is th Choose of [Photo_Is Photo_Is Image: [Is_there 1_9_ Is th Choose of	a flushing system installed and operational? ly one option: Yes

[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					
[Description] Description					
[Photo]					
Take photo Image:					

5)_ Head work

1_1_ Worl	[Workmanship] 1_1_ Workmanship satisfactory? (visual inspection)					
Choose on	ly one option:					
	excellent					
	good					
	fair					
	poor					
0	very bad					
	NA					
(

[Photo_Workmanship] Photo_Workmanship satisfactory?		
Image:		

[Cleanline	ess_work]
1_2_ Clea	nliness work satisfactory?
(visual insp	ection)
Choose on	ly one option:
	excellent
	good
	fair
	poor
0	very bad
	NA

[Photo_Cleanliness_work] Photo_Cleanliness work satisfactory?	
Image:	

11 15 (** (**)	nly one option:					
0	excellent					
	good					
0	fair					
0	poor					
0	very bad					
0	NA NA					
	1171					
Photo C	Concrete_work]					
	oncrete work sat	tisfactory?				
nage:						
Earth w	orks including a	any_protection_astis:	factory]			
4_ Ear	th works includi	ing any protection a				
isual ins _i	pection)					
	nly one option:					
0	excellent					
0	good					
	fair					
	poor					
0	poor very bad					
Photo_E	very bad NA arth_works_inclu	uding_any_protection				
Photo_Ean	very bad NA Carth_works_inclu arth works inclu valves_slide_gate all valves/slide g		a astisfactory			
Photo_E noto_E nage: are_all_ 5_are	very bad NA Carth_works_inclustreh works inclustreh works inclusively all valves/slide gate	ding any protection	a astisfactory			
Photo_E noto_E nage: are_all_ 5_ are	very bad NA Earth_works_inclustreh works inclustreh works inclusive works in the works in th	ding any protection	a astisfactory			
Photo_Eanage:	very bad NA Carth_works_inclustrent works inclustrent works inclusively and in	ding any protection	a astisfactory			
Photo_E hoto_E nage: are_all_ 5_ are	very bad NA Earth_works_inclustreh works inclustreh works inclusive works in the works in th	ding any protection	a astisfactory			
Photo_Eanage: are_all 5_are hoose of	very bad NA Earth_works_inclustrenth works inclustrenth works inclustrenth works inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclusively and inclusively a	ding any protection	erational] perational? nd_operational]			
Photo_Eanage: pre_all 5_are photo_anato_are	very bad NA Earth_works_inclustrenth works inclustrenth works inclustrenth works inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclusively and inclusively a	es_installed_and_operates installed and o	erational] perational? nd_operational] operational?	Head wor	k	
Photo_Eanage: are_all	very bad NA Earth_works_inclustrenth works inclustrenth works inclustrenth works inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclustrenthworks inclusively and inclusively a	ding any protection es_installed_and_ope ates installed and o de_gates_installed_a e gates installed and	erational] perational? nd_operational] operational?	Head wor	k Element 4	Element 5

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

C.1_ Is	• Relevant when: there main canal? was answered with Yes OR Is there main canal? was answered with Yes. 6)_ Main canal
(visual ins	rkmanship satisfactory? pection)
	nly one option: excellent
0	
	good
0	poor
0	very bad
	NA
	Norkmanship] Oorkmanship satisfactory?
	ness_work] anliness work satisfactory? pection)
Choose or	nly one option:
	excellent
0	good
	fair
	poor
0	very bad
	NA

[Photo_Cleanliness_work]

Photo_Cleanliness work satisfactory?

Image:

visual ins _i Thoose or	nly one option:
0	excellent
	good
	fair
	poor
0	very bad
	NA
	101
	Concrete_work] oncrete work satisfactory?
l_4_ Ear visual ins _i	vorks_including_any_protection_astisfactory] th works including any protection astisfactory pection) nly one option:
	excellent
	good
	fair
	poor
	very bad
	NA
Photo_Ea	Earth_works_including_any_protection_astisfactory] arth works including any protection astisfactory seepage or leakage from the canal]
Photo_Ea mage: Is_there 1_5_ Is the	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option:
Photo_Ea mage: Is_there L_5_ Is the Choose of	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes
Photo_Ea Image: Is_there I_5_ Is tl Choose or	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes No
Photo_Ea Image: Is_there I_5_ Is there Choose on	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes
Photo_E: Image: Is_there I_5_ Is there Choose or	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes No
Photo_E: mage: Is_there l_5_ Is the Choose of Photo_Is Photo_Is are_all_ l_6_ are	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal?
Is_there I_5_ Is there I_5_ Is there I_5_ Is the Choose of	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? valves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? nly one option:
Photo_E: mage: Is_there l_5_ Is tl Choose or Photo_Is mage: are_all_ l_6_ are	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? valves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? nly one option: Yes
Photo_Earmage: Is_there I_5_ Is the Choose of Photo_Is Image: I are_all_ I_6_ are Choose of	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? valves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? nly one option: Yes No
Photo_E: mage: Is_there l_5_ Is tl Choose or Photo_Is mage: are_all_ l_6_ are	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? valves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? nly one option: Yes
Photo_E: Image: Is_there I_5_ Is there I_5_ Is there I_5_ Is there I_5_ Is there I_6_	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? valves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? nly one option: Yes No
Photo_E: Image: Is_there I_5_Is there I_5_Is there I_6_Description Is_there I_6_are Choose or I_6_Are Choose or I_7_Photo_Is I_7_Are Choose or I_7_Photo_Are I_7_Are I	seepage_or_leakage_from_the_canal] here seepage or leakage from the canal? nly one option: Yes No NA sthere_seepage_or_leakage_from_the_canal] there seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? valves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? nly one option: Yes No NA NA re_all_valves_slide_gates_installed_and_operational]

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:					

C.2_ Is there secondary canal? was	• Relevant when: Inswered with Yes OR Is there secondary canal? was answered with Yes.
	7)_ Secondary canal
[Workmanship]	

[WOIKIIIaii	snip j					
1_1_ Worl	1_1_ Workmanship satisfactory?					
(visual inspe	ection)					
Choose onl	y one option:					
	excellent					
	good					
	fair					
	poor					
	very bad					
	NA					
	-					

[Photo_Workmanship]
Photo_Workmanship satisfactory?
Image:

[Cleanliness_work]

1_2_ Cleanliness work satisfactory?

(visual inspection)

Choose only one option:

excellent
good
fair
poor
very bad
NA

[Photo_Cleanliness_work]
Photo_Cleanliness work satisfactory?
Image:

hoose o	nly one option:
	excellent
	good
	fair
	poor
	very bad
	NA
	oncrete_work] oncrete work satisfactory?
4 Ear isual ins	
hoose o	excellent
	good
	fair
	poor
0	very bad
oto_E	NA arth_works_including_any_protection_astisfactory] arth works including any protection astisfactory
Photo_E hoto_E: nage:	arth_works_including_any_protection_astisfactory] arth works including any protection astisfactory seepage_or_leakage_from_the_canal]
Photo_E hoto_E nage:	arth_works_including_any_protection_astisfactory] arth works including any protection astisfactory seepage_or_leakage_from_the_canal] are seepage or leakage from the canal?
Photo_Eahoto_Eahoto_Es_there_5_ Is thoose on	arth_works_including_any_protection_astisfactory] arth works including any protection astisfactory seepage_or_leakage_from_the_canal] are seepage or leakage from the canal? aly one option:
Photo_E: hoto_E: nage: Is_there _5_ Is there	arth_works_including_any_protection_astisfactory] arth works including any protection astisfactory seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? alty one option: Yes
Photo_Eanage: Is_there _5_ Is the	arth_works_including_any_protection_astisfactory] arth works including any protection astisfactory seepage_or_leakage_from_the_canal] are seepage or leakage from the canal? aly one option:
Photo_E hoto_E: nage: Is_there 5_ Is there	arth_works_including_any_protection_astisfactory] arth works including any protection astisfactory seepage_or_leakage_from_the_canal] arere seepage or leakage from the canal? alty one option: Yes No
Photo_E hoto_E: nage: Is_there _5_ Is tl hoose o	arth_works_including_any_protection_astisfactory] arth works including any protection astisfactory seepage_or_leakage_from_the_canal] arere seepage or leakage from the canal? alty one option: Yes No
Photo_E hoto_E nage: Is_there 5_ Is the hoose or hoto_Is nage:	arth_works_including_any_protection_astisfactory] arth works including any protection astisfactory seepage_or_leakage_from_the_canal] are seepage or leakage from the canal? aly one option: Yes No NA sthere_seepage_or_leakage_from_the_canal]
Photo_E hoto_E nage: [s_there 5_ Is the hoose of hoto_Is nage: are_all_ 6_ are hoose of	arth_works_including_any_protection_astisfactory arth_works including any protection astisfactory seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? there seepage or leakage from the canal? all valves/slide_gates_installed_and_operational] all valves/slide gates installed and operational? they one option:
Photo_E hoto_E: nage: Is_there _5_ Is tl hoose or Photo_I hoto_Is nage: are_all6_ are	arth_works_including_any_protection_astisfactory] arth_works including any protection astisfactory seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? there seepage or leakage from the canal? valves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? thy one option: Yes
Photo_E hoto_E: nage: Is_there _5_ Is there _5_ Is thoose or Photo_Is hoto_Is nage:	arth_works_including_any_protection_astisfactory] arth_works including any protection astisfactory seepage_or_leakage_from_the_canal] tere seepage or leakage from the canal? ally one option: Yes No NA S_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? There seepage or leakage from the canal? all valves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? No No
Photo_E hoto_E: nage: Is_there _5_ Is tl hoose or Photo_I hoto_Is nage: are_all6_ are	arth_works_including_any_protection_astisfactory] arth_works including any protection astisfactory seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? there seepage or leakage from the canal? valves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? thy one option: Yes

• 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
Secondary canal					
[Description] Description					
[Photo] Take photo Image:					

Image:						
C.3_I	s there Tertiary? was answ	vered with Yes	evant when: OR Is the	ere Tertiary?) v	vas answered w	ith Yes.
(visual inspe	manship satisfactory? ction)					
Choose on	y one option: excellent					
	good					
	fair					
	poor					
	very bad					
0	NA					
	orkmanship] rkmanship satisfactory?					
[Cleanlines 1_2_ Clean (visual inspe	liness work satisfactory?					
	y one option:					
0	excellent					
0	good					
	fair					
	poor					
0	very bad					
	NA					
	eanliness_work] anliness work satisfactory	7?				

excellent good fair poor very bad NA	hoose or	aly one option:
fair poor very bad NA Photo: Concrete work hoto Concrete work hoto Concrete work satisfactory? mage: Earth, works including any protection astisfactory 4_ Earth works including any protection astisfactory mage: excellent good fair poor very bad NA Photo: Earth works including any protection astisfactory hoto Is there seepage or leakage from the canal hoto Is there seepage or leakage from the canal? hoto Is there seepage or leakage from the canal? hoto Is there seepage or leakage from the canal? hoto only one option: Yes No No No No No Photo are all valves/slide gates installed and operational hoto are all valves/slide gates installed and operational? hoto are all valves/slide gates installed and operational?		
fair poor very bad NA Photo: Concrete work hoto Concrete work hoto Concrete work satisfactory? mage: Earth, works including any protection astisfactory 4_ Earth works including any protection astisfactory mage: excellent good fair poor very bad NA Photo: Earth works including any protection astisfactory hoto Is there seepage or leakage from the canal hoto Is there seepage or leakage from the canal? hoto Is there seepage or leakage from the canal? hoto Is there seepage or leakage from the canal? hoto only one option: Yes No No No No No Photo are all valves/slide gates installed and operational hoto are all valves/slide gates installed and operational? hoto are all valves/slide gates installed and operational?		good
poor very bad NA		
very bad NA		
Photo_Concrete_work Photo_Concrete_work Photo_Concrete work satisfactory? mage: Earth_works_including_any_protection_astisfactory _4_Earth_works_including_any_protection_astisfactory visual inspection)		•
Photo Concrete_work Photo Concrete_work satisfactory? mage: Earth_works including any protection astisfactory 4_Earth works including any protection astisfactory wisual inspection) Choose only one option: cxcellent good fair poor very bad NA Photo_Earth_works_including_any_protection_astisfactory hoto_Earth_works_including_any_protection_astisfactory hoto_Earth_works_including_any_protection_astisfactory mage: Is_there_seepage_or_leakage_from_the_canal 5_s there seepage_or_leakage_from_the_canal? Choose only one option: Yes No NA Photo_Is_there_seepage_or_leakage_from_the_canal? mage: are_all_valves_slide_gates_installed_and_operational 6_are_all_valves/slide_gates_installed_and_operational? Yes No NA Photo_are_all_valves_slide_gates_installed_and_operational Photo_are_all_valves_slide_gates_installed_and_o		
good fair poor very bad NA Photo_Earth_works_including_any_protection_astisfactory] Photo_Earth works including any protection astisfactory mage: Is_fiere_scepage_or_leakage_from_the_canal]Sis there scepage_or_leakage from the canal? Choose only one option:		NA
_4_Earth works including any protection astisfactory visual inspection) Choose only one option:	Photo_Co	
excellent good fair poor very bad NA Photo Earth works including any protection astisfactory Photo_Earth works including any protection astisfactory Is there seepage or leakage from the canal L_5_ Is there seepage or leakage from the canal? Choose only one option: Yes No NA Photo_Is there seepage or leakage from the canal Photo_Is there seepage or leakage from the canal? Tare_all_valves_slide_gates installed and operational L_6_ are all valves/slide gates installed and operational? Choose only one option: Yes No No NA Photo_are_all_valves_slide_gates_installed_and_operational Photo_are_all_valves_slide_gates_installed_and_operational Photo_are_all_valves_slide_gates_installed_and_operational Photo_are_all_valves_slide_gates_installed_and_operational Photo_are_all_valves_slide_gates_installed_and_operational Photo_are_all_valves_slide_gates_installed_and_operational Photo_are_all_valves_slide_gates_installed_and_operational Photo_are_all_valves_slide_gates_installed_and_operational?	l_4_ Eart visual insp	th works including any protection astisfactory pection)
fair poor very bad NA Photo_Earth_works_including_any_protection_astisfactory] Photo_Earth works including any protection astisfactory photo_Earth works including any protection astisfactory mage: Is there_seepage_or_leakage_from_the_canal]		
fair poor very bad NA Photo Earth works including any protection astisfactory Photo_Earth works including any protection astisfactory Is_there_seepage_or_leakage_from_the_canal I_5_ Is there seepage or leakage from the canal? Choose only one option: Yes No No NA Photo_Is_there_seepage_or_leakage_from_the_canal 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 I_6_ are all_valves/slide_gates_installed_and_operational? No No NA Photo_are_all_valves_slide_gates_installed_and_operational		good
photo_Earth_works_including_any_protection_astisfactory Photo_Earth works including any protection astisfactory Photo_Earth work		
very bad NA Photo_Earth_works_including_any_protection_astisfactory] Photo_Earth works including any protection astisfactory mage: Is_there seepage_or_leakage_from_the_canal] L_5_ Is there seepage_or leakage from the canal? Choose only one option: Yes No NA Photo_Is_there_seepage_or_leakage_from_the_canal] Photo_Is there seepage or leakage from the canal? mage: are_all_valves_slide_gates_installed_and_operational] L_6_ are all valves/slide gates installed and operational? No NA Photo_are_all_valves_slide_gates_installed_and_operational] Photo_are_all_valves_slide_gates_installed_and_operational] Photo_are_all_valves_slide_gates_installed_and_operational?		
Photo_Earth_works_including_any_protection_astisfactory] Photo_Earth works including any protection astisfactory mage: Is_there seepage_or_leakage from_the_canal] L_5_ Is there seepage_or_leakage from the canal? Choose only one option: Yes No NA Photo_Is_there_seepage_or_leakage_from_the_canal] Photo_Is_there_seepage_or_leakage_from_the_canal? mage: are_all_valves_slide_gates_installed_and_operational] L_6_ are all_valves/slide gates_installed_and_operational? Choose only one option: Yes No No NA Photo_are_all_valves_slide_gates_installed_and_operational] Photo_are_all_valves_slide_gates_installed_and_operational] Photo_are_all_valves_slide_gates_installed_and_operational?		-
Photo_Earth_works_including_any_protection_astisfactory Photo_Earth works including any protection astisfactory mage: Is_there_seepage_or_leakage_from_the_canal L_5_Is there seepage or leakage from the canal? Choose only one option:		
Photo_Is_there_seepage_or_leakage_from_the_canal] Photo_Is there seepage or leakage from the canal? mage: are_all_valves_slide_gates_installed_and_operational] L6_are all valves/slide gates installed and operational? Choose only one option: Yes No NA Photo_are_all_valves_slide_gates_installed_and_operational] Photo_are_all_valves_slide_gates installed_and_operational] Photo_are all_valves/slide gates installed and operational?	Photo_Ea	
Photo_Is_there_seepage_or_leakage_from_the_canal] Photo_Is there seepage or leakage from the canal? Image: Image:	Photo_Ea Image: Is_there 1_5_ Is the	seepage_or_leakage_from_the_canal] see seepage or leakage from the canal? aly one option:
Photo_Is there seepage or leakage from the canal? Image: Image:	Photo_Ea Image: Is_there 1_5_Is th Choose or	seepage_or_leakage_from_the_canal] tere seepage or leakage from the canal? ally one option:
Photo_Is there seepage or leakage from the canal? Image: Image:	Photo_Ea Image: Is_there I_5_ Is the Choose or	seepage_or_leakage_from_the_canal] lere seepage or leakage from the canal? aly one option: Yes No
1_6_ are all valves/slide gates installed and operational? Choose only one option: Yes	Photo_Ea Image: Is_there I_5_ Is there Choose or	seepage_or_leakage_from_the_canal] seepage or leakage from the canal? ally one option: Yes No NA
YesNo	Photo_Ea Image: Is_there I_5_ Is the Choose or Photo_Is	seepage_or_leakage_from_the_canal] seepage or leakage from the canal? aly one option: Yes No NA Sthere_seepage_or_leakage_from_the_canal]
No NA Photo_are_all_valves_slide_gates_installed_and_operational] Photo_are all valves/slide gates installed and operational?	Photo_Earmage: Is_there I_5_ Is the Choose or Photo_Is Photo_Is Image: I_ae_allI_6_ are:	seepage_or_leakage_from_the_canal] nere seepage or leakage from the canal? nly one option: Yes No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? yalves_slide_gates_installed_and_operational] all valves/slide gates installed and operational?
NA Photo_are_all_valves_slide_gates_installed_and_operational] Photo_are all valves/slide gates installed and operational?	Photo_Ea mage: Is_there I_5_ Is the Choose or Photo_Is Photo_Is are_all_v I_6_ are a Choose or	seepage or leakage from the canal] letere seepage or leakage from the canal? ally one option: Yes No NA Sthere seepage or leakage from the canal] there seepage or leakage from the canal] there seepage or leakage from the canal? valves selide gates installed and operational] all valves/slide gates installed and operational? ally one option:
Photo_are_all_valves_slide_gates_installed_and_operational] Photo_are all valves/slide gates installed and operational?	Photo_Ea Image: Is_there I_5_ Is the Choose or Choose or Choose or Choose or	seepage_or_leakage_from_the_canal] sere seepage or leakage from the canal? ally one option: Yes No NA sthere_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? walves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? ally one option: Yes
Photo_are all valves/slide gates installed and operational?	Photo_Ea Image: Is_there I_5_ Is the Choose or Photo_Is Image: In are_all_v I_6_ are a	seepage_or_leakage_from_the_canal] tere seepage or leakage from the canal? ally one option: Yes No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? walves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? No Yes No
	Photo_Ea mage: Is_there i_5_ Is the Choose or Photo_Is mage: are_all_v i_6_ are a	seepage_or_leakage_from_the_canal] tere seepage or leakage from the canal? ally one option: Yes No NA s_there_seepage_or_leakage_from_the_canal] there seepage or leakage from the canal? walves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? No Yes No
	Photo_Ea Image: Is_there I_5_Is the Choose or Image: Image: Info are all	seepage_or_leakage_from_the_canal] seepage_or_leakage from_the_canal? nly one option: Yes No NA sthere_seepage_or_leakage_from_the_canal] there seepage_or_leakage_from_the_canal? there seepage or leakage from the canal? valves_slide_gates_installed_and_operational] all valves/slide gates installed and operational? Yes No NA Te_all_valves_slide_gates_installed_and_operational]

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:					
					<u> </u>

[End_Irrigation] This is the end of "Irrigation assessment"		

• Relevant when:

Select sub-project was answered with 5. Social.

VII. Social

	\mathbf{S}
	_related_to_sub_project] I related to sub-project?
Choose	one or more options:
	1. Primary school
	2. Water supply
	3. Road
	4. Irrigation
	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

-	of HHs_benefitting_from_the_project_Sc] er of HHs benefitting from the project
	/pe_of_school_is_the_project_school]
2. What	type of school is the project school?
	nly one option:
	primary
	other
	the_project_did_the_village_have_a_primary_school] to the project, did the village have a primary school?
Choose o	nly one option:
	Yes
	No
	NA
	E-2
	questions below pertain to the primary schools where the construction/rehabilitation of the as supported by the project
1 After tl	he_project_Do_other_villages_also_use_or_benefit_from_the_project_Sc] he project, Do other villages also use or benefit from the project? mly one option: Yes
	No
0	NA
D 1	
Relevan	t when: the project, Do other villages also use or benefit from the project? was answered with Yes.
[If_yes_l	now_many_villages] , how many villages?
	what is the average class size in the school overall] what is the average class size in the school overall?
	any_classrooms_were_built_with_project_financing] nany classrooms were built with project-financing?
4. When	did_the_clasrooms_start_being_used] did the clasrooms start being used? d year. Put "Not yet" if not yet used)
5. How n	any_pupils_learn_in_the_project_funded_classrooms] nany pupils learn in the project-funded classrooms? there 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	1
[What_ethnic_group_are_you] What ethnic group are you?			
(Number of children aged 6-10, all primary schools)			

Question	Element 1	Element 2
E-4		
Note] Note: Only survey HH with 1 or more child going to the project-financed school.		
[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)		
[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)		
• 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.		
was NOT answered with 0.	111	1 1
Child1		
Child1 Note] Note: Answer for the HH's children attending the project-financed school. If the HH has more than 3		
Child1 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 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? Choose only one option:		
Child1 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 Where_did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child1] 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 Where_did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child1] Where did your children go to school before the project-financed school was opened? Choose only one option: other shool in village other school further away		
Child1 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 [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? Choose only one option: other school in village other school further away was of school age but did not go to school		
Child1 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 Where_did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child1] 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 Where_did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child1] Where did your children go to school before the project-financed school was opened? Choose only one option: other shool in village other school further away		
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 Where_did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child1] Where did your children go to school before the project-financed school was opened? 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		
Child 1 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 Where did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child1] Where did your children go to school before the project-financed school was opened? 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 Relevant when: 1. Where did your children go to school before the project-financed school was opened? was answered		
Child 1 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 Where did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child1] Where did your children go to school before the project-financed school was opened? 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 Relevant when: 1. Where did your children go to school before the project-financed school was opened? was answered		
Child1 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 Where did your children go to school before the project financed school was opened Child1] Where did your children go to school before the project-financed school was opened? 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 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 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. How_did_the_child_go_to_school_before]		
Child1 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 Where did your children go to school before the project financed school was opened Child1] L. Where did your children go to school before the project-financed school was opened? 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. 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 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. How did the child go to school before] Choose only one option:		
Child1 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 Where did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child1] L. Where did_your_children go to school before the project-financed school was opened? 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. 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 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. How_did_the_child_go_to_school_before] 2. How did the child go to school before?		

Question		Element 1	Element 2
• Relevant when:	Ħ		
Where did your children go to school before the project-financed school was opened? was answered	Ш		
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.			
[Who_if_anyone_went_to_school_with_the_child] 3. Who, if anyone, went to school with the child?			
Choose only one option:	Ш		
nobody			
sibling	Ш		
other school children	Ш		
parents	Ш		
other adult			
Relevant when:			
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.			
[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)			
[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)			
minute per day (dada up time jor going and returning)			
• Relevant when:			
1. Where did your children go to school before the project-financed school was opened? was answered	Ш		
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.			
[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)			
[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)			
	$\ $		
	\parallel		
• 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 ".			
Child2			
[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			

Question		Element 1	Element 2	1
[Where_did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child2] 1. Where did your children go to school before the project-financed school was opened?				
Choose only one option:	Ш			
other shool in village	Ш			
other school further away	Ш			
was of school age but did not go to school	Ш			
was too young to go to school	Ш			
NA				
• Relevant when:				
1. Where did your children go to school before the project-financed school was opened? was answered	Ш			
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.				
[How_did_the_child_go_to_school_before] 2. How did the child go to school before?				
Choose only one option:				
walk				
bicycle other				
• 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.				
[Who_if_anyone_went_to_school_with_the_child] 3. Who, if anyone, went to school with the child?				
Choose only one option:	Ш			
nobody	Ш			
sibling	Ш			
other school children	Ш			
parents other adult	Ш			
Unici auun				
• Relevant when:				
1. Where did your children go to school before the project-financed school was opened? was answered	Ш			
with other shool in village OR 1. Where did your children go to school before the project-financed	Ш			
school was opened? was answered with other school further away.				
[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)				
[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)				
• Relevant when:				
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.				
[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)				

Question	Element 1	Element 2
[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)		
• 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 2 AND 2. How many of these children attend the project-financed school? was NOT answered with ".		
Child3		
[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		
[Where_did_your_children_go_to_school_before_the_project_financed_school_was_opened_Child3] 1. Where did your children go to school before the project-financed school was opened?		
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		
• 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.		
[How_did_the_child_go_to_school_before] 2. How did the child go to school before?		
Choose only one option:		
walk bicycle		
other		
• 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.		
[Who_if_anyone_went_to_school_with_the_child] 3. Who, if anyone, went to school with the child?		
Choose only one option:		
nobody		
nobody sibling		

	Question	1	Element 2
Relevant when:			
1. Where did your children g	to 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 ans	wered with other school further away.		
	y_to_school_before_the_project_financed_school] y to school before the project-financed school? going and returning)		
	to_the_project_financed_school_now] to_the_project_financed_school_now? going and returning)		
Relevant when:			
	to 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 ans	wered with other school further away.		
	_did_your_children_miss_on_average_per_month_before_the_project_support] did your children miss on average per month before the project support? is fine)		
]	lo_your_children_miss_on_average_per_month_now_after_the_project_support do your children miss on average per month now after the project is fine)		
nool_note] se note any information not infrastructure text] d_Social_School] is the end of cial Related to School"	previously noted that is important to understand the answers or impact of		
1. Social re	• Relevant when: lated to sub-project? was answered with 2. Water supply. VII.2 Water		
	VII.2.1 Village-Level Survey		
	Overall		
Number_of_HHs_benefitting	from the president l		

	the project_where_did_most_HHs_in_the_village_get_water_for_drinking_and_cooking_]
	the project, where did most HHs in the village get water for drinking and cooking? nly one option:
0	other source of water in the village
	source of water outside the village
4. How lo	ong_did_it_take_to_go_therel] ong did it take to go there? er trip (sum up the time for going and returning)
5. Before	the project_where_did_most_HHs_get_water_for_washing_] the project, where did most HHs get water for washing?
Choose o	nly one option: other source of water in the village
	source of water outside the village
6. How lo	ong_did_it_take_to_go_there2] ong did it take to go there? er trip (sum up the time for going and returning)
Now_w	here_do_most_HHs_get_water_for_drinking_and_cooking_]
7. Now, v	here_do_most_HHs_get_water_for_drinking_and_cooking_] where do most HHs get water for drinking and cooking? nly one option: other source of water in the village PRF-financed source of water source of water outside the village
7. Now, v Choose o	where do most HHs get water for drinking and cooking? nly one option: other source of water in the village PRF-financed source of water
7. Now, v Choose o	where do most HHs get water for drinking and cooking? nly one option: other source of water in the village PRF-financed source of water source of water outside the village here_do_most_HHs_get_water_for_washing] where do most HHs get water for washing? nly one option: other source of water in the village PRF-financed source of water source of water outside the village PRF-financed source of water source of water outside the village
7. Now, v Choose o Now_w Now_w Now, v Choose o Now_ma Now_ma Number of What_is_ O. What is	where do most HHs get water for drinking and cooking? nly one option: other source of water in the village PRF-financed source of water source of water outside the village here_do_most_HHs_get_water_for_washing] where do most HHs get water for washing? nly one option: other source of water in the village PRF-financed source of water source of water outside the village PRF-financed source of water source of water outside the village

 $[\ 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 (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 (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) 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__diarrhe 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 (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__diarrhe

12. On average, how many days per month are you and your family members now sick from water in the dry season (e.g. diarrhe:

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. Other 1 was NOT answered with 0 AND 3.6. Other 1 was NOT answered with ".
[specity_other1] 3.6.1. specity, other1
• Relevant when: 3.6. Other 1 was NOT answered with 0 AND 3.6. Other 1 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 ".
[specity_other2] 3.7.1. specity, 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 ".
[specity_other3] 3.8.1. specity, 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? (descipe)
[Before the project How much time people in the village take 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: Yes
O No NA
• Relevant when: 6 After the project. Do other villages also use or benefit from the project?) was answered with Ver
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?

		1
[Now_What_do_people_in_the_village_use_the_road_for_] 7. Now, What do people in the village use the road for? (descipe)		
[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		
• Relevant when: 3. How many HH have vehicle? was NOT answered with 0 AND 3. How many HH have vehicle? was NOT answered with ".		
VII.3.2 HH level survey (5 HHs per village)		
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		
	ш	
[Mini_pick_up] 3. Mini pick up Number		
3. Mini pick up		

Question		
[What_is_the_most_frequently_used_vehicles] 6. What is the most frequently used vehicles?		
Choose only one option: motorbik	H	
tok tok		
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? *(descipe)*

[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

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 tok tok, pick up etc)	t h a	nt have motork
[Now_What_do_you_use_the_road_for_] 1. Now, What do you use the road for? (descipe)		
[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. 4. Now, on average, how many time per month did you travel to the agricultural production area in the Average times per month, per HH member	e we	et season?
[Now_on_average_how_many_time_per_month_do_you_travel_to_District_center_in_the_dry_season] 5. 5. Now, on average, how many time per month did you travel to the agricultural production area in the Average times per month, per HH member	e dr	y season?
oad_note] Clease note any information not previously noted that is important to understand the answers or impact of infrastructure Let text]		
id_Social_Road] s is the end of cial Related to Road"		
• Relevant when: 1. Social related to sub-project? was answered with 4. Irrigation.		
VII.4 Irrigation		
VII.4.1 Village-Level Survey		
Which_year_of_irrigation_construction_rehabilitation_complete] Which year of irrigation construction/rehabilitation complete? ar		
	J	

2. Before	the project, did the village have irrigation system?
Choose o	nly one option:
	Yes
	No
	NA
	any_HHs_directly_benefit_from_this_irrigation_system] nany HHs directly benefit from this irrigation system? THHs
	any_hectares_of_farming_areas_in_your_village_before_the_project] nany hectares of farming areas in your village before the project? Tha.
_	any_hectares_of_farming_areas_in_your_village_after_the_project] nany hectares of farming areas in your village after the project? Tha.
6. How n	any_seasons_do_farmers_in_your_village_can_grow_before_the_project] nany seasons do farmers in your village can grow before the project?
6. How n Number of [How_m 7. How n	any_seasons_do_farmers_in_your_village_can_grow_before_the_project] nany seasons do farmers in your village can grow before the project? Tha. any_seasons_do_farmers_in_your_village_can_grow_after_the_project] nany seasons do farmers in your village can grow after the project?
6. How m Number of [How_m 7. How m Number of	any_seasons_do_farmers_in_your_village_can_grow_before_the_project] nany seasons do farmers in your village can grow before the project? Tha. any_seasons_do_farmers_in_your_village_can_grow_after_the_project] nany seasons do farmers in your village can grow after the project?
6. How II Number of [How_m 7. How II Number of [What_ty 8. What if	any_seasons_do_farmers_in_your_village_can_grow_before_the_project] nany seasons do farmers in your village can grow before the project? Tha. any_seasons_do_farmers_in_your_village_can_grow_after_the_project] nany seasons do farmers in your village can grow after the project? Tha. The project of crops_do_farmers_in_your_village_grow_before_the_project]
6. How IT Number of [How_m 7. How IT Number of [What_ty 8. What IT 9. What IT	any_seasons_do_farmers_in_your_village_can_grow_before_the_project] nany seasons do farmers in your village can grow before the project? Tha. any_seasons_do_farmers_in_your_village_can_grow_after_the_project] nany seasons do farmers in your village can grow after the project? Tha. Type_of_crops_do_farmers_in_your_village_grow_before_the_project] type_of_crops_do_farmers_in_your_village_grow_before_the_project? Type_of_crops_do_farmers_in_your_village_grow_after_the_project]
6. How IT Number of [How_m 7. How IT Number of [What_ty 9. What IT [Have_y 10. Have	any_seasons_do_farmers_in_your_village_can_grow_before_the_project] hany seasons do farmers in your village can grow before the project? Tha. any_seasons_do_farmers_in_your_village_can_grow_after_the_project] hany seasons do farmers in your village can grow after the project? Tha. Appe_of_crops_do_farmers_in_your_village_grow_before_the_project] hany seasons do farmers in your village grow before the project? Appe_of_crops_do_farmers_in_your_village_grow_after_the_project] hand the project is the project in your village grow after the project? Appe_of_crops_do_farmers_in_your_village_grow_after_the_project] Appe_of_crops_do_farmers_in_your_village_grow_after_the_project?
[How m 7. How n Number of [What ty 9. What to [Have yo	any_seasons_do_farmers_in_your_village_can_grow_before_the_project] hany seasons do farmers in your village can grow before the project? Tha. any_seasons_do_farmers_in_your_village_can_grow_after_the_project] hany seasons do farmers in your village can grow after the project? Tha. Appe_of_crops_do_farmers_in_your_village_grow_before_the_project] type of crops do farmers in your village grow before the project? Appe_of_crops_do_farmers_in_your_village_grow_after_the_project] type of crops do farmers in your village grow after the project? Appe_of_crops_do_farmers_in_your_village_grow_after_the_project] type of crops do farmers in your village grow after the project? Appe_of_crops_do_farmers_in_your_village_grow_after_the_project] type of crops do farmers in your village grow after the project?
6. How m Number of [How_m 7. How m Number of [What_ty] What t [What_ty] Uhat t [Have_ye] Have Choose of	any_seasons_do_farmers_in_your_village_can_grow_before_the_project] hany seasons do farmers in your village can grow before the project? Tha. any_seasons_do_farmers_in_your_village_can_grow_after_the_project] hany seasons do farmers in your village can grow after the project? Tha. App_of_crops_do_farmers_in_your_village_grow_before_the_project] hype of crops do farmers in your village grow before the project? App_of_crops_do_farmers_in_your_village_grow_after_the_project] hype of crops do farmers in your village grow after the project? App_of_crops_do_farmers_in_your_village_grow_after_the_project] hype of crops do farmers in your village grow after the project? App_of_crops_do_farmers_in_your_village_grow_after_the_project] hype of crops do farmers in your village grow after the project? App_of_crops_do_farmers_in_your_village_grow_after_the_project] hype of crops do farmers in your village grow after the project? App_of_crops_do_farmers_in_your_village_grow_after_the_project] hype of crops do farmers in your village grow after the project?

• Relevant when:

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 ".

VII.4.2 HH level survey (5 HHs per village)

Question	1	Element 1	Element 2	E
[What_ethnic_group_are_you] What ethnic group are you?				

Question	H	Element 1	Element 2	Е
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) Number of hectare				
[Before_the_project_how_many_hectares_did_youcrop_in_the_main_planting_season] 2. Before the project, how many hectares did you crop in the main planting season? Number of hectare				
• 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? Name of the crop				
[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? Number of hectare • Relevant when:				
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? Name of the crop				
• 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? kg/ha				
• 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? kg/ha				

Question	11111	ment 1	Element 2	<u> </u>
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? Number of hectare				
• 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? Name of the crop				
[Now_how_many_hectares_do_youcrop_off_season] 3. Now, how many hectares do you crop off-season? Number of hectare				
• 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? Name of the crop				
• 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? kg/ha				
• 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 ".				
[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? kg/ha				

[Irrigation_note]

7. Please note any information not previously noted that is important to understand the answers or impact of the infrastructure

[free text]

	end of elated to Irrigation"
	• Relevant when:
	1. Social related to sub-project? was answered with (5. Dispensary).
	VII.5 Dispensary
	VII.5.1 Village-Level Survey
-	_of_HHs_benefitting_from_the_project_Ds] er of HHs benefitting from the project FHHs
_	year_of_dispensary_construction_rehabilitation_complete] year of dispensary construction/rehabilitation complete?
_	the project where do villagers go when they are sick or need health care service] the project, where is the nearest place that villagers go when they are sick or need health care
Before_	the_project_On_overage_How_many_minutes_do_they_take_to_get_there] re the project, On overage, How many minutes do they take to get there?
Before_3.1. Before/minute) After_th 3.2. After	_ , , ,
Before_ 3.1. Before minute) After_th After_th After_th	re the project, On overage, How many minutes do they take to get there? the project_On_overage_How_many_minutes_do_they_take_to_get_there]
Before_3.1. Before/minute) After_th 3.2. After (minute) After_th 4 After th	re the project, On overage, How many minutes do they take to get there? The project On overage How many minutes do they take to get there] The project, On overage, How many minutes do they take to get there? The project Do other villages also use or benefit from the project Di] The project, Do other villages also use or benefit from the project? The project Do other villages also use or benefit from the project?
Before_ 3.1. Before (minute) After_th 3.2. After (minute) After_th 4 After th	re the project, On overage, How many minutes do they take to get there? The project On_overage_How_many_minutes_do_they_take_to_get_there] The project, On overage, How many minutes do they take to get there? The project_Do_other_villages_also_use_or_benefit_from_the_project_Di] The project, Do other villages also use or benefit from the project?
Before_3.1. Before/minute) After_th 3.2. After (minute) After_th 4 After tl	re the project, On overage, How many minutes do they take to get there? the project_On_overage_How_many_minutes_do_they_take_to_get_there] the project, On overage, How many minutes do they take to get there? the project_Do_other_villages_also_use_or_benefit_from_the_project_Di] the project, Do other villages also use or benefit from the project? The project is a set of the project is a set of the project. The project is a set of the project is a set of the project. The project is a set of the project is a set of the project is a set of the project. The project is a set of the project is a set of the project is a set of the project. The project is a set of the project is a set of the project is a set of the project. The project is a set of the project is a set of the project is a set of the project. The project is a set of the project is a set of the project is a set of the project. The project is a set of the project is a set of the project is a set of the project. The project is a set of the project is a set of the project is a set of the project. The project is a set of the project is a set of the project is a set of the project. The project is a set of the project is a s
Before_3.1. Before/minute) After_thanks.2. After thanks.4 After t	re the project, On overage, How many minutes do they take to get there? the project On overage How many minutes do they take to get there] the project, On overage, How many minutes do they take to get there? the project Do_other_villages_also_use_or_benefit_from_the_project_Di] the project, Do other villages also use or benefit from the project? The project Do_other villages also use or benefit from the project? No No NA
Before_B.1. Before minute) After_thank After thank Af	the project On overage How many minutes do they take to get there? The project On overage How many minutes do they take to get there of the project, On overage, How many minutes do they take to get there? The project Do other villages also use or benefit from the project Di other villages also use or benefit from the project? The project Do other villages also use or benefit from the project? The project Do other villages also use or benefit from the project? The project Do other villages also use or benefit from the project? The project Do other villages also use or benefit from the project? The project Do other villages also use or benefit from the project? The project Do other villages also use or benefit from the project? The project Do other villages also use or benefit from the project?
Before_3.1. Before_3.1. Before_minute) After_th 4 After th Choose or Relevan 4 After t	re the project, On overage, How many minutes do they take to get there? the project On overage How many minutes do they take to get there] the project, On overage, How many minutes do they take to get there? the project Do_other_villages_also_use_or_benefit_from_the_project_Di] the project, Do other villages also use or benefit from the project? The project Do_other villages also use or benefit from the project? No No NA
Before_3.1. Before_3.1. Before_minute) After_th 4 After th Choose or Relevan 4 After t	the project, On overage, How many minutes do they take to get there? The project On overage How many minutes do they take to get there] The project, On overage, How many minutes do they take to get there? The project Do other villages also use or benefit from the project Di] The project, Do other villages also use or benefit from the project? The project, Do other villages also use or benefit from the project? The project, Do other villages also use or benefit from the project? The project, Do other villages also use or benefit from the project? The project, Do other villages also use or benefit from the project? The project, Do other villages also use or benefit from the project? The project, Do other villages also use or benefit from the project? The project is a project in the project is a project in the project in the project in the project is a project in the project in the project in the project is a project in the pro

		- 1	i I I			
noose on	ly one option: Yes	$\neg \bot$				
	No	-				
0	NA NA	$-\parallel$				
	IVA					
Relevant	when:					
. Have y	ou noticed any change of dispensary for healthcare service recently? was answered with Yes.					
If yes, v	hat_is_the_changes] what is the changes? ly one option: Same Better Worse NA					
1. Nur	• Relevant when: mber 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)					
	HH level survey (5 HHs per village) Question unic_group_are_you] uic group are you?	Ele	me 1	ent	Element 2	E
	Question unic_group_are_you]	Ele	eme 1	ent		E
hat ethi	Question unic_group_are_you]	Ele	eme 1	ent		E
Th	Question nnic_group_are_you] nic group are you? nese questions focus on use of healthcare healthcare service	Ele	1 1	ent		E
Th	Question nic_group_are_you] nic group are you? nese questions focus on use of healthcare healthcare service before the project	Ele	eme 1	ent		E
Th [Before] 1. Befo sick? Place	Question Inic group_are_you] Inic group are you? Inic group are you? Inic group are you? In theproject wheredidyour_family_member_gofor_healthacare_service_or_when_they_sick In theproject_wheredidyour_family_member_gofor_healthacare_service_or_when_they_sick In theproject_wheredidyour_family_member_gofor_healthacare_service_or_when_they_sick In theproject_wheredidyour_family_member_gofor_healthacare_service_or_when_they_sick In theproject_wheredidyour_family_member_gofor_healthacare_service_or_when_they_sick In theproject_how_far_you_gofor_healthcare_servicefromyour_village] In theproject_how_far_you_gofor_healthcare_servicefromyour_village] In theproject_how_far_you_gofor_healthcare_servicefromyour_village ?	Ele	1 1	ent		E
Th [Before] 1. Befo sick? Place [Before 2. Befo Distance	Question Inic group_are_you] Inic group are you? Inic group are you? Inic group are you? In theproject wheredidyour_family_member_gofor_healthacare_service_or_whentheysick In theproject_wheredidyour_family_member_gofor_healthacare_service_or_whentheysick In theproject_wheredidyour_family_member_gofor_healthacare_service_or_whentheysick In theproject_wheredidyour_family_member_gofor_healthacare_service_or_whentheysick In theproject_wheredidyour_family_member_gofor_healthacare_service_or_whentheysick In theproject_howfaryougoforhealthcare_servicefromyourvillage] In theproject_howfaryougoforhealthcare_servicefromyourvillage] In theproject_howfaryougoforhealthcare_servicefromyourvillage ?	Ele	me 1	ent		E
Th [Before] 1. Befo sick? Place [Before 2. Befo Distance] 3. Befo	Question mic_group_are_you] mic_group are you? mese questions focus on use of healthcare healthcare service before the project the_project_where_did_your_family_member_go_for_healthacare_service_or_when_they_sick meter the project, where did your family member go for healthacare service or when they mes_the_project_how_far_you_go_for_healthcare_service_from_your_village] meter the project, how far you go for healthcare service from your village? meter the project, how far you go for healthcare service from your village?	Ele	me 1	ent		F

Question	Elem 1	Element 2	Elem 3
These questions focus on use of healthcare 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_healthacare_service] 8. Now, where did your family member go for healthacare 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			
ipensary_note] Please note any information not previously noted that is important to understand the answers or imple infrastructure e text]	pact		
nd_Social_Dispansery]			

ANNEX 2 SUMMARY TECHNICAL EVALUATION OF SUB-PROJECTS

	Province	District	Village	SP type	Type of	Age	Overall	Fit for	Environment	Social	Natural	Difficult to
					works		construction quality	purpose	al impacts	impacts	Disaster affected	access
	Attapeu	Sanxay	B. Dakker	IR	RH	1 <y<2< td=""><td>Good</td><td>Yes</td><td>Yes</td><td>No</td><td>Yes</td><td>Yes</td></y<2<>	Good	Yes	Yes	No	Yes	Yes
	Attapeu	Sanxay	B. Jalernsay	IR	RH	1 <y<3< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<3<>	Good	Yes	No	No	No	No
}	Attapeu	Sanamxay	B. Kasare	RD	NC	Over 4	Fair	Yes	No	Yes	Yes	No
	Attapeu	Sanamxay	B. Bangvilay	RD	NC	1 <y<2< td=""><td>Good</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>No</td></y<2<>	Good	Yes	Yes	Yes	No	No
5	Attapeu	Sanxay	B. Yiatdak	WS	NC		Fair	Yes	No	No	Yes	Yes
)	Attapeu	Phouvong	B. Kaouan	WS	RH	3 <y<4< td=""><td>Good</td><td>Yes</td><td>Yes</td><td>No</td><td>No</td><td>Yes</td></y<4<>	Good	Yes	Yes	No	No	Yes
7	Attapeu	Phouvong	B. Viengxay	BD	NC	2 <y<3< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>Yes</td></y<3<>	Good	Yes	No	No	No	Yes
3	Attapeu	Phouvong	B. Vongvilay Tai	BD	NC	1 <y<2< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>Yes</td></y<2<>	Fair	Yes	No	No	No	Yes
)	Houaphanh	Xiengkhor	B. Sobmone	IR	NC	3 <y<4< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<4<>	Good	Yes	No	No	No	No
0	Houaphanh	Viengxay	B. Nhere	IR	NC	Over 4	Fair	Yes	No	No	No	Yes
1	Houaphanh	Houameuang	B. More	IR	RH	Over 4	Fair	Yes	No	No	No	Yes
2	Houaphanh	Kuane	B. Hin Ngeop	RD	RH	Over 4	Fair	Yes	No	No	No	Yes
3	Houaphanh	Xamneua	B. Korhay	WS	RH	3 <y<4< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<4<>	Fair	Yes	No	No	No	No
4	Houaphanh	Sone	B. Meuang Koa	WS	RH	3 <y<4< td=""><td>Fair</td><td>No</td><td>No</td><td>No</td><td>Yes</td><td>No</td></y<4<>	Fair	No	No	No	Yes	No
5	Houaphanh	Hiem	B. Houaisa	WS	RH	3 <y<4< td=""><td>Fair</td><td>No</td><td>No</td><td>No</td><td>Yes</td><td>No</td></y<4<>	Fair	No	No	No	Yes	No
16	Houaphanh	Xamtay	B. Sobpheng	BD	NC	Over 4	Good	Yes	No	No	No	Yes
7	Luang Namtha	Viengphoukha	B. Tar Soom	IR	NC	Over 4	Good	Yes	No	No	No	No
8	Luang Namtha	Viengphoukha	B. Tar Soom	RD	RH	1 <y<2< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<2<>	Fair	Yes	No	No	No	No
19	Luang Namtha	Nalae	B. Khanha	RD	RH	3 <y<4< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></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< td=""><td>Fair</td><td>Yes</td><td>No</td><td>Yes</td><td>Yes</td><td>Yes</td></y<2<>	Fair	Yes	No	Yes	Yes	Yes
25	Luang Prabang	Nambak	B. Kiewha	RD	RH	3 <y<4< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<4<>	Good	Yes	No	No	No	No

	Province	District	Village	SP type	Type of works	Age	Overall construction quality	Fit for purpose	Environment al 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< td=""><td>Good</td><td>Yes</td><td>No</td><td>Yes</td><td>No</td><td>No</td></y<4<>	Good	Yes	No	Yes	No	No
28	Luang Prabang	Viengkham	B. Navaen	RD	NC	1 <y<2< td=""><td>Fair</td><td>Yes</td><td>No</td><td>Yes</td><td>No</td><td>Yes</td></y<2<>	Fair	Yes	No	Yes	No	Yes
29	Luang Prabang	Phonthong	B. Nasamphan	WS	NC	3 <y<4< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>Yes</td></y<4<>	Good	Yes	No	No	No	Yes
30	Luang Prabang	Phonxay	B. Hin Tang	BD	NC	1 <y<2< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>Yes</td></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< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></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< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<4<>	Fair	Yes	No	No	No	No
39	Oudomxay	Hoon	B. Taleup	RD	RH	3 <y<4< td=""><td>Poor</td><td>Yes</td><td>No</td><td>No</td><td>Yes</td><td>Yes</td></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< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>Yes</td></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< td=""><td>Poor</td><td>Yes</td><td>No</td><td>No</td><td>Yes</td><td>Yes</td></y<3<>	Poor	Yes	No	No	Yes	Yes
46	Phongsaly	Samphanh	B. Kongsavi	RD	RH	3 <y<4< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>Yes</td></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< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>Yes</td></y<4<>	Fair	Yes	No	No	No	Yes
49	Phongsaly	Khoua	B. Omtup	WS	NC	2 <y<3< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>Yes</td></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< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<3<>	Good	Yes	No	No	No	No

	Province	District	Village	SP type	Type of works	Age	Overall construction quality	Fit for purpose	Environment al impacts	Social impacts	Natural Disaster affected	Difficult to access
52	Salavan	Ta Oi	B. Pajoulern	IR	RH	3 <y<4< td=""><td>Fair</td><td>No</td><td>No</td><td>No</td><td>Yes</td><td>No</td></y<4<>	Fair	No	No	No	Yes	No
53	Salavan	Samuoi	B. KiliGnai	IR	RH	2 <y<3< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>Yes</td></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< td=""><td>Fair</td><td>Yes</td><td>No</td><td>Yes</td><td>Yes</td><td>No</td></y<2<>	Fair	Yes	No	Yes	Yes	No
56	Salavan	Toomlarn	B. HouayHva	WS	NC	3 <y<4< td=""><td>Good</td><td>Yes</td><td>Yes</td><td>No</td><td>No</td><td>No</td></y<4<>	Good	Yes	Yes	No	No	No
57	Salavan	Ta Oi	B. Kape	WS	NC	3 <y<4< td=""><td>Fair</td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td></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< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>Yes</td></y<3<>	Fair	Yes	No	No	No	Yes
61	Savannakhet	Thapangthong	B. Hin Tang Khok	IR	NC	1 <y<2< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<2<>	Good	Yes	No	No	No	No
62	Savannakhet	Sepon	B. Kaeng Yang	RD	RH	3 <y<4< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<4<>	Good	Yes	No	No	No	No
63	Savannakhet	Phin	B. Kaeng Xai	RD	RH	1 <y<2< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<2<>	Fair	Yes	No	No	No	No
64	Savannakhet	Atsaphone	B. Dongkhamkuan	RD	RH	1 <y<2< td=""><td>Fair</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></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< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></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< td=""><td>Good</td><td>Yes</td><td>No</td><td>Yes</td><td>No</td><td>Yes</td></y<4<>	Good	Yes	No	Yes	No	Yes
69	Xekong	Kaleum	B. Tangpang	IR	NC	3 <y<4< td=""><td>Good</td><td>Yes</td><td>No</td><td>Yes</td><td>Yes</td><td>Yes</td></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< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>Yes</td><td>Yes</td></y<4<>	Good	Yes	No	No	Yes	Yes
74	Xekong	Lamam	B. Pa Or	WS	RH	3 <y<4< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></y<4<>	Good	Yes	No	No	No	No
75	Xekong	Dakcheung	B. Tang Yeui	WS	RH	1 <y<2< td=""><td>Good</td><td>Yes</td><td>No</td><td>Yes</td><td>Yes</td><td>Yes</td></y<2<>	Good	Yes	No	Yes	Yes	Yes
76	Xekong	Lamam	B. Nang Yong	BD	NC	3 <y<4< td=""><td>Good</td><td>Yes</td><td>No</td><td>No</td><td>No</td><td>No</td></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	Environment al impacts	Social impacts	Natural Disaster affected	Difficult to access
78	Xieng Khouang	Khoun	B. Sunlouang	RD	NC	3 <y<4< td=""><td>Fair</td><td>Yes</td><td>No</td><td>Yes</td><td>Yes</td><td>No</td></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