



Government of Malawi  
Ministry of Energy



Mpatamanga Hydro Power Limited

# Mpatamanga Hydropower Storage Project

## Main Works Resettlement Action Plan

### **ANNEXES**

Mpatamanga Hydro Power Limited (MHPL)  
16, 17 and 18 on First Floor, Almira Complex at Plot Number BC1114  
Mandala, Blantyre

February 2026

# Table of Contents

Annex 1 – References

Annex 2 – Socioeconomic Household Survey Form

Annex 3 – Market Survey Report

Annex 4 – GLAC

Annex 5 – Community Sensitisation Meetings

Annex 6 – Close-Out Meeting Minutes

Annex 7 – List of Affected Persons (not Publicly Disclosed)

Annex 8 – Individual Compensation Agreements (not Publicly Disclosed)

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# Annexe 2 – Socioeconomic Household Survey Form

## Registration Form

Field	Question	Answer																								
enumerator	Please select your enumerator profile																									
intro	<p>Thank you for the opportunity to speak with you. My name is [enumerator]. I am a member of a research team from C12 and SLR Consulting. We are conducting the Resettlement Action Plan surveys on behalf of the Mpatamanga HPP project.</p> <p>We are collecting information about your households, such as age, gender, number of household members, sources of income and means of livelihoods, and other information. We also ask to take pictures, as well as GPS coordinates. The survey includes questions about the household generally, and questions about individuals within your household. It should take about [30 minutes] to complete all the questions.</p> <p>The information collected will be used to prepare the compensation schedule and the Resettlement Action Plan.</p> <p>Your data will be handled with confidentiality. If results of this study are published or presented, individual names and other personally identifiable information will not be used and no identifying information will be shared with any third party. The information will be utilised only for the development of the Mpatamanga Project, and confidentiality of the information will strictly be adhered to.</p>																									
Census Form																										
district <i>(required)</i>	Which district do you live in?	district_id_key district																								
district_other <i>(required)</i>	If other district, please specify. <i>Question relevant when: selected( \${district} , 'Other')</i>																									
traditional_authority <i>(required)</i>	Which Traditional Authority do you live in?	ta_id_key ta																								
other_traditional_authority <i>(required)</i>	Please specify the Traditional Authority. <i>Question relevant when: selected( \${traditional_authority} , 'Other')</i>																									
gvh <i>(required)</i>	Which Group Village Head do you live in?	gv_id_key group_village																								
other_gvh <i>(required)</i>	Please specify the Group Village Head. <i>Question relevant when: selected( \${gvh} , 'Other')</i>																									
locate_village <i>(required)</i>	Which village do you live in?	village_id_key village																								
other_village <i>(required)</i>	Please specify the village. <i>Question relevant when: selected( \${locate_village} , 'Other')</i>																									
hhm_repeat_note	We will now ask a few brief questions about each household member. We will start with the household head. ENUMERATOR: please add a new group for each person you would like to register																									
Census Form > Household Members (1)		(Repeated group)																								
hhm_first_name <i>(required)</i>	What is Person #1's first name?																									
hhm_last_name <i>(required)</i>	What is [hhm_first_name]'s last name?																									
hhh_relation <i>(required)</i>	What is [hhm_first_name]'s relationship to the household head?	<table border="1"> <tbody> <tr> <td>hhh</td> <td>Is the household head</td> </tr> <tr> <td>partner</td> <td>Is the spouse/partner of the household head</td> </tr> <tr> <td>child</td> <td>Is the child of the household head</td> </tr> <tr> <td>parent</td> <td>Is the parent of the household head</td> </tr> <tr> <td>sibling</td> <td>Is the sibling of the household head</td> </tr> <tr> <td>niece_nephew</td> <td>Is the niece/nephew of the household head</td> </tr> <tr> <td>aunt_uncle</td> <td>Is the aunt/uncle of the household head</td> </tr> <tr> <td>cousin</td> <td>Is the cousin of the household head</td> </tr> <tr> <td>stepchild</td> <td>Is the step-child of the household head</td> </tr> <tr> <td>stepparent</td> <td>Is the step-parent of the household head</td> </tr> <tr> <td>friend</td> <td>Is the friend of the household head</td> </tr> <tr> <td>other</td> <td>Other (specify)</td> </tr> </tbody> </table>	hhh	Is the household head	partner	Is the spouse/partner of the household head	child	Is the child of the household head	parent	Is the parent of the household head	sibling	Is the sibling of the household head	niece_nephew	Is the niece/nephew of the household head	aunt_uncle	Is the aunt/uncle of the household head	cousin	Is the cousin of the household head	stepchild	Is the step-child of the household head	stepparent	Is the step-parent of the household head	friend	Is the friend of the household head	other	Other (specify)
hhh	Is the household head																									
partner	Is the spouse/partner of the household head																									
child	Is the child of the household head																									
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niece_nephew	Is the niece/nephew of the household head																									
aunt_uncle	Is the aunt/uncle of the household head																									
cousin	Is the cousin of the household head																									
stepchild	Is the step-child of the household head																									
stepparent	Is the step-parent of the household head																									
friend	Is the friend of the household head																									
other	Other (specify)																									

Field	Question	Answer	
		unknown	Don't know
hhh_relation_other (required)	If other relationship to household head, please specify here. <i>Question relevant when: selected( \${hhh_relation} , 'other')</i>		
hhm_phone (required)	What is [hhm_first_name]'s main phone number? <i>If no phone, enter "0".&lt;br/&gt;&lt;br/&gt;If don't know phone number, enter "999". Response constrained to: regex(, "(?:\d{1})\d{3}\d{10})\$')</i>		
hhm_phone_sec (required)	What is [hhm_first_name]'s secondary phone number? <i>If no phone, enter "0".&lt;br/&gt;&lt;br/&gt;If don't know phone number, enter "999". Response constrained to: regex(, "(?:\d{1})\d{3}\d{10})\$')</i>		
national_id_yn (required)	Does [hhm_first_name] have a National ID number?	yes	Yes
		no	No
		unknown	Don't know
national_id_number (required)	What is [hhm_first_name]'s National ID number? <i>If don't know, enter '999'. Question relevant when: selected( \${national_id_yn} , 'yes') Response constrained to: string-length(.) &lt;= 8</i>		
hhm_gender (required)	What is [hhm_first_name]'s gender?	female	Female
		male	Male
hhm_age (required)	What is [hhm_first_name]'s age? <i>If unsure, provide rough estimate.&lt;br/&gt;&lt;br/&gt;If do not want to answer, enter 999.</i>		
hhm_marital (required)	What is the marital status of [hhm_first_name] in this household?	child	Child under 16 years old
		single	Single
		married	Married
		separated	Separated / Divorced
		widow	Widowed
		cohabit	Cohabiting
		unknown	Don't know
hhm_poly_yn (required)	Is [hhm_first_name] in a polygamous relationship/marriage with other women? <i>Question relevant when: selected( \${hhm_gender} , 'male') and not(selected( \${hhm_marital} , 'single'))</i>	yes	Yes
		no	No
		unknown	Don't know
hhm_poly (required)	Was [hhm_first_name] already surveyed for this 2025 Census Form and given a PAP ID? <i>Question relevant when: selected( \${hhm_poly_yn} , 'yes')</i>	yes	Yes
		no	No
hhm_poly_count (required)	How many other PAP IDs has [hhm_first_name] been given by this 2025 Census Form? <i>This is not referring to PAP IDs given in 2020-2021. Question relevant when: selected( \${hhm_poly} , 'yes')</i>		
Census Form > Household Members (1) > Already Surveyed - PAP IDs (1)		(Repeated group)	
hhm_poly_newPAPid (required)	What was [hhm_first_name]'s PAP ID? <i>Question relevant when: selected( \${hhm_poly} , 'yes')</i>		
hhm_edu (required)	What is the level of education of [hhm_first_name]?	baby	The household member is a baby under 3 years old
		none	No schooling
		still_school	The household member is still in school
		someprimary	Some primary
		primary	Completed primary
		somesecsecondary	Some secondary
		secondary	Completed secondary
		vocational	Vocational training
		sometertiary	Some tertiary (e.g. college, university)
		tertiary	Completed tertiary (e.g. college, university)
		unknown	Don't know
hhm_nationality (required)	What is [hhm_first_name]'s nationality?	malawian	Malawian
		other	Other (specify)
		unknown	Don't know
hhm_nationality_other (required)	If other nationality, please specify here. <i>Question relevant when: selected( \${hhm_nationality} , 'other')</i>		
hhm_ethnicity (required)	What is [hhm_first_name]'s ethnic group?	chewa	Chewa
		ngoni	Ngoni

Field	Question	Answer	
		lomwe	Lomwe
		yao	Yao
		tumbuka	Tumbuka
		nyanja	Nyanja
		sena	Sena
		tonga	Tonga
		ngonde	Ngonde
		manganja	Manganja
		other	Other (specify)
		unknown	Don't know
hhm_ethnicity_other (required)	If other ethnic group, please specify here. <i>Question relevant when: selected( \${hhm_ethnicity} , 'other')</i>		
hhm_religion (required)	What is [hhm_first_name]'s religion?	christianity	Christianity
		islam	Islam
		traditional	Traditional
		none	No religion
		other	Other (specify)
		unknown	Don't know
hhm_religion_other (required)	If other religion, please specify here. <i>Question relevant when: selected( \${hhm_religion} , 'other')</i>		
hhm_disability (required)	Does [hhm_first_name] have any disability? <i>Response constrained to: not((selected(., 'none') or selected(., 'unknown')) and count-selected(.) &gt; 1)</i>	none	No disabilities
		sight	Sight (blind/severe visual limitation)
		hearing	Hearing (deaf/profoundly hard of hearing)
		communication	Communication (speech impairment)
		physical	Physical (e.g. needs wheelchair, crutches or prosthesis; limb, hand usage limitations)
		intellectual	Intellectual (serious difficulties in learning)
		emotional	Emotional (behavioural, psychological)
		other	Other (specify)
		unknown	Don't know
hhm_disability_other (required)	If other disability, please specify here. <i>Question relevant when: selected( \${hhm_disability} , 'other')</i>		
hhm_chronicill_yn (required)	Does [hhm_first_name] have a chronic illness? <i>A chronic illness is defined as conditions that last 1 year or more and require ongoing medical attention or limit activities of daily living or both.&lt;br&gt;If don't know, write "Unknown".</i>	yes	Yes
		no	No
		unknown	Don't know
hhm_chronicill (required)	What is [hhm_first_name]'s chronic illness? <i>Question relevant when: selected( \${hhm_chronicill_yn} , 'yes')</i>		
able_work_yesno (required)	Is [hhm_first_name] able to work ?	yes	Yes
		no	No
		unknown	Don't know
hh_laborer (required)	Is [hhm_first_name] the only person of working age in the household ? <i>Question relevant when: \${hhm_age} &gt; 64</i>	yes	Yes
		no	No
		unknown	Don't know
hhm_allyear (required)	Does [hhm_first_name] live in the household all year round?	yes	Yes
		no	No
		unknown	Don't know
hhm_allyear_where (required)	If no, where else is [hhm_first_name] living? <i>Question relevant when: selected( \${hhm_allyear} , 'no')</i>	partner	In their other partner's house
		agri	In their agricultural field
		company	With the company that employs them

Field	Question	Answer	
		parents	In their parents' house
		other_country	In another country
		other_region	In another region
		other_district	In another district
		other	Other (specify)
		unknown	Don't know
hhm_allyear_where_other (required)	If other, please specify here. <i>Question relevant when: selected( \${hhm_allyear_where} , 'other')</i>		
hhm_landowner_yn (required)	Is [hhm_first_name] a land owner?	yes	Yes
		no	No
		unknown	Don't know
hhm_category (required)	Which of the following impact categories represents how [hhm_first_name] will be affected by the Project? <i>Response constrained to: not(selected(., 'not_impacted') and count-selected(.) &gt; 1)</i>	land_owner	Land owner residing in or around the affected area
		tenant	Tenant in the affected area demarcated
		employee	Employee in the affected area demarcated
		non_resident	Non-resident land owner
		family	Family land impacted (land shared between several households)
		business_owner	Business owner
		comm_asset_rep	Community asset representative
		ch_rep	Cultural heritage and or religious representative
		not_impacted	Not impacted (none of the above)
census	Was [hhm_first_name] censused as an individual PAP in 2020-2021? <i>Question relevant when: not(selected( \${hhm_category} , 'not_impacted'))</i>	yes	Yes
		no	No
		unknown	Don't know
PAP_ID_20-21	What was [hhm_first_name]'s PAP ID in 2020-2021? <i>Question relevant when: selected( \${census} , 'yes')</i>		
pap_id_2020_2021_copy (required)	Do you have a hard copy of your 2020-2021 PAP ID we can photograph now? <i>Question relevant when: selected( \${census} , 'yes')</i>	yes	Yes
		no	No
pap_id_2020_2021_photo (required)	ENUMERATOR: please photograph [hhm_first_name]'s PAP ID from 2020-2021. <i>Question relevant when: selected( \${pap_id_2020_2021_copy} , 'yes')</i>		
pap_photo_yn (required)	Can I take a picture of [hhm_first_name]? <i>Question relevant when: not(selected( \${hhm_category} , 'not_impacted'))</i>	yes	Yes
		no	No
pap_photo (required)	ENUMERATOR: please photograph [hhm_first_name] as a portrait <i>Question relevant when: selected( \${pap_photo_yn} , 'yes')</i>		
bank_yn (required)	Does [hhm_first_name] have a bank account? <i>Question relevant when: not(selected( \${hhm_category} , 'not_impacted'))</i>	no	No, they do not have access to a bank account / they require assistance opening one
		joint	Yes, they have a joint bank account
		yes	Yes, they have an individual bank account
		unknown	Don't know
no_bank	ENUMERATOR: Please explain to the respondent that they would need to present 1. their National ID, 2. Proof of Residence (stamped letter from the chief/water bill/electricity bill), and 3. A map drawing their residence from a significant landmark, to open a bank account. <i>Question relevant when: selected( \${bank_yn} , 'no')</i>		
bank (required)	What bank does [hhm_first_name] have an account with? <i>Question relevant when: selected( \${bank_yn} , 'joint') or selected( \${bank_yn} , 'yes')</i>	CDH	CDH Investment Bank

Field	Question	Answer	
		ecobank	Ecobank Malawi
		fdh	FDH Bank
		first_capital	First Capital Bank Malawi Limited
		national	National Bank of Malawi
		nbs	NBS Bank
		standard	Standard Bank Malawi
		centenary	Centenary Bank Malawi
		other	Other (specify)
bank_other (required)	If other, please specify here. <i>Question relevant when: selected( \${bank} , 'other')</i>		
bank_access (required)	How does [hhm_first_name] access their bank account? <i>Question relevant when: selected( \${bank_yn} , 'joint') or selected( \${bank_yn} , 'yes')</i>	foot	Foot
		bike	Bicycle
		moto	Motorcycle
		car	Private car
		taxi	Taxi
		bus	Bus
		mobile	Using my phone (mobile money)
		other	Other (specify)
		unknown	Unknown
bank_access_other (required)	If other, please specify here. <i>Question relevant when: selected( \${bank_access} , 'other')</i>		
regular_salary (required)	Does [hhm_first_name] have a regular formal salary ? <i>Question relevant when: selected( \${hhm_gender} , 'female') and selected( \${hhm_relation} , 'hhh')</i>	yes	Yes
		no	No
		unknown	Don't know
pap_id_write	ENUMERATOR: Please write down the PAP ID for [hhm_first_name] and communicate it to the team supervisor. [hhm_first_name]'s ID is : BDSTES-01 <i>Question relevant when: not(selected( \${hhm_category} , 'not_impacted'))</i>		
pap_card_photo	ENUMERATOR: Please take a picture of the PAP card with the PAP ID you just wrote <i>Question relevant when: \${hh_unique_id} = 'hide'</i>		
hhm_count_confirm (required)	You have recorded 1 people: [hhm_list] . Can you confirm that you have registered everyone?	yes	Yes, I have registered everyone
		no	No, I have not registered everyone
missing_note	ENUMERATOR: please go back to register the missing person <i>Question relevant when: selected( \${hhm_count_confirm} , 'no')</i>		
hhm_landless_yn (required)	Is this household landless? <i>Question relevant when: indexed-repeat( \${hhm_landowner_yn} , \${hhm_repeat} , 1) = 'yes'</i>	yes	Yes
		no	No
		unknown	Don't know
outro	ENUMERATOR: go to case management and select the PAP from the list to administrate the relevant forms		

## Households SocioEconomic Form

Field	Question	Answer	
enumerator_ <i>(required)</i>	Please select your enumerator profile		
intro	<p>Thank you for the opportunity to speak with you. My name is [enumerator__name]. I am a member of a research team from C12 and SLR Consulting. We are conducting the Early Works RAP surveys on behalf of the Mpatamanga HPP project.</p> <p>We are collecting information about your households, such as age, gender, number of household members, sources of income and means of livelihoods, and other information. We also ask to take pictures, as well as GPS coordinates. The survey includes questions about the household generally, and questions about individuals within your household. It should take about [30 minutes] to complete all the questions.</p> <p>Your data will be handled with confidentiality. If results of this study are published or presented, individual names and other personally identifiable information will not be used and no identifying information will be shared with any third party. The information will be utilised only for the development of the Mpatamanga Project, and confidentiality of the information will strictly be adhered to.</p>		
Consent <i>(required)</i>	Do you consent to answering the following questions?	yes	Yes
		no	No
Consented			
<i>Group relevant when: \${Consent} = 'yes'</i>			
Consented > A. PAP Information			
Consented > A. PAP Information > PAP Info:			
hhm_info_socioeco	ID: [hhm_unique_id_socioeco]  First name: [hhm_first_name_socioeco]  Last name: [hhm_first_name_socioeco]  Phone (main): [hhm_phone_socioeco]  Age: [hhm_age_socioeco]  Village: [hhm_village_socioeco]		
hhm_info_socioeco_yn <i>(required)</i>	Are these details correct?	yes	Yes
		no	No
hhm_info_socioeco_new <i>(required)</i>	Which of the following need to change? <i>Question relevant when: selected( \${hhm_info_socioeco_yn} , 'no')</i>	first_name	First name
		last_name	Last name
		main_phone	Main phone number
		age	Age
		village	Village
hhm_first_name_socioeco_new <i>(required)</i>	What first name should appear instead? <i>Please capitalise where appropriate.</i> <i>Question relevant when: selected( \${hhm_info_socioeco_new} , 'first_name')</i>		
hhm_last_name_socioeco_new <i>(required)</i>	What last name should appear instead? <i>Please capitalise where appropriate.</i> <i>Question relevant when: selected( \${hhm_info_socioeco_new} , 'last_name')</i>		
hhm_phone_socioeco_new <i>(required)</i>	What phone number should appear instead? <i>If no phone, enter "0". &lt;br/&gt; &lt;br/&gt; If don't know phone number, enter "999".</i> <i>Question relevant when: selected( \${hhm_info_socioeco_new} , 'main_phone')</i> <i>Response constrained to: regex(, "d{1,10}(?:d{1,10}){0,0}\$)</i>		
hhm_age_socioeco_new <i>(required)</i>	What age should appear instead? <i>Question relevant when: selected( \${hhm_info_socioeco_new} , 'age')</i> <i>Response constrained to: &lt;120</i>		
hhm_village_socioeco_new <i>(required)</i>	What village should appear instead? <i>Question relevant when: selected( \${hhm_info_socioeco_new} , 'village')</i>		
Consented > B. Economic Activities of the Household Members			
number_working_age <i>(required)</i>	How many households members of working age are providing subsistence or income for the household?		
Consented > B. Economic Activities of the Household Members > Please answer the following questions for each family member of working age who is earning some income and/or subsistence for the household. (1)		(Repeated group)	
Occupation <i>(required)</i>	What is the first occupation of the household member #1? What occupies most of this person's the time? <i>Only for +16 years old household members</i>	govt	1. Employed in Government/Civil service
		ngo	2. Employed by NGO
		industry	3. Employed in industrial / manufacturing service
		retail	4. Employed in retail

Field	Question	Answer																																				
		<table border="1"> <tr> <td>agriculture</td> <td>5. Employed in agriculture by other entity</td> </tr> <tr> <td>office</td> <td>6. Employed in office</td> </tr> <tr> <td>cattle</td> <td>7. Employed in cattle farming</td> </tr> <tr> <td>emp_other</td> <td>8. Employed in other (specify)</td> </tr> <tr> <td>farming</td> <td>9. Self-employed in crop farming</td> </tr> <tr> <td>animalherder</td> <td>10. Self-employed in animal husbandry / herder</td> </tr> <tr> <td>sellanimalproducts</td> <td>11. Self-employed in selling animal products</td> </tr> <tr> <td>charcoal</td> <td>12. Self-employed in charcoal making</td> </tr> <tr> <td>fishing</td> <td>13. Self-employed in fishing</td> </tr> <tr> <td>sand</td> <td>14. Self-employed sand farming</td> </tr> <tr> <td>terrazzo</td> <td>15. Self-employed in terrazzo stone mining</td> </tr> <tr> <td>self_other</td> <td>16. Self-employed in other (specify)</td> </tr> <tr> <td>searching</td> <td>17. Not employed and looking for employment</td> </tr> <tr> <td>unemployed</td> <td>18. Not employed and not looking for job</td> </tr> <tr> <td>pensioned</td> <td>19. Pensioner</td> </tr> <tr> <td>housewife</td> <td>20. Housewife</td> </tr> <tr> <td>ganyu</td> <td>21. Ganyu labour</td> </tr> </table>	agriculture	5. Employed in agriculture by other entity	office	6. Employed in office	cattle	7. Employed in cattle farming	emp_other	8. Employed in other (specify)	farming	9. Self-employed in crop farming	animalherder	10. Self-employed in animal husbandry / herder	sellanimalproducts	11. Self-employed in selling animal products	charcoal	12. Self-employed in charcoal making	fishing	13. Self-employed in fishing	sand	14. Self-employed sand farming	terrazzo	15. Self-employed in terrazzo stone mining	self_other	16. Self-employed in other (specify)	searching	17. Not employed and looking for employment	unemployed	18. Not employed and not looking for job	pensioned	19. Pensioner	housewife	20. Housewife	ganyu	21. Ganyu labour		
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occupation_spec <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${Occupation} , 'emp_other') or selected( \${Occupation} , 'self_other')</i>																																					
Firstmainincome <i>(required)</i>	What is the main source of income of household member #1? <i>The activity that generates the most money for them.</i> <i>Response constrained to: true()</i>	<table border="1"> <tr> <td>agri_crops</td> <td>Agricultural crops</td> </tr> <tr> <td>agri_products</td> <td>Transformed agricultural products</td> </tr> <tr> <td>remittance</td> <td>Migrant remittances</td> </tr> <tr> <td>plants</td> <td>Selling wild plants</td> </tr> <tr> <td>timber</td> <td>Selling timber</td> </tr> <tr> <td>livestock</td> <td>Livestock</td> </tr> <tr> <td>fishing</td> <td>Fishing</td> </tr> <tr> <td>hunting</td> <td>Hunting</td> </tr> <tr> <td>charcoal</td> <td>Charcoal selling</td> </tr> <tr> <td>firewood</td> <td>Selling firewood</td> </tr> <tr> <td>bricks</td> <td>Brick making</td> </tr> <tr> <td>sand</td> <td>Sand mining</td> </tr> <tr> <td>business</td> <td>Small business</td> </tr> <tr> <td>employed</td> <td>Employed (state job)</td> </tr> <tr> <td>employedpri</td> <td>Employed (private job)</td> </tr> <tr> <td>ganyu</td> <td>Piece work (ganyu)</td> </tr> <tr> <td>none</td> <td>No income</td> </tr> <tr> <td>other</td> <td>Other (specify)</td> </tr> </table>	agri_crops	Agricultural crops	agri_products	Transformed agricultural products	remittance	Migrant remittances	plants	Selling wild plants	timber	Selling timber	livestock	Livestock	fishing	Fishing	hunting	Hunting	charcoal	Charcoal selling	firewood	Selling firewood	bricks	Brick making	sand	Sand mining	business	Small business	employed	Employed (state job)	employedpri	Employed (private job)	ganyu	Piece work (ganyu)	none	No income	other	Other (specify)
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other	Other (specify)																																					
Consented > B. Economic Activities of the Household Members > Please answer the following questions for each family member of working age who is earning some income and/or subsistence for the household. (1) > First Income <i>Group relevant when: not(selected( \${Firstmainincome} , 'none'))</i>																																						
firstmainincome_specify <i>(required)</i>	If other, please specify.																																					

Field	Question	Answer	
	<i>Question relevant when: selected( \${Firstmainincome} , 'other')</i> <i>Response constrained to: true()</i>		
tempofirstmainincome <i>(required)</i>	Is this activity permanent or seasonal?	permanent	Permanent
		seasonal	Seasonal
monthsfirstmainincome <i>(required)</i>	If seasonal, please select the months during which the activity is done. <i>Question relevant when: \${tempofirstmainincome} ='seasonal'</i>	January	January
		February	February
		March	March
		April	April
		May	May
		June	June
		July	July
		August	August
		September	September
		October	October
		November	November
		December	December
averagefirstmainincome <i>(required)</i>	Select the average monthly income generated by this activity: <i>in Kwacha.</i>		
Secondmainincome <i>(required)</i>	What is the SECOND main source of income of household member #1? <i>The second activity that generate more money.</i> <i>Question relevant when: not(selected( \${Firstmainincome} , 'none'))</i> <i>Response constrained to: true()</i>	agri_crops	Agricultural crops
		agri_products	Transformed agricultural products
		remittance	Migrant remittances
		plants	Selling wild plants
		timber	Selling timber
		livestock	Livestock
		fishing	Fishing
		hunting	Hunting
		charcoal	Charcoal selling
		firewood	Selling firewood
		bricks	Brick making
		sand	Sand mining
		business	Small business
		employed	Employed (state job)
		employedpri	Employed (private job)
		ganyu	Piece work (ganyu)
		none	No income
		other	Other (specify)
Consented > B. Economic Activities of the Household Members > Please answer the following questions for each family member of working age who is earning some income and/or subsistence for the household. (1) > Second Income <i>Group relevant when: not(selected( \${Firstmainincome} , 'none')) and not(selected( \${Secondmainincome} , 'none'))</i>			
secondmainincome_specify <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${Secondmainincome} , 'other')</i> <i>Response constrained to: true()</i>		
temposecondmainincome <i>(required)</i>	Is this activity permanent or seasonal?	permanent	Permanent
		seasonal	Seasonal
monthsecondmainincome <i>(required)</i>	If temporary please select the months during which the activity is done. <i>Question relevant when: \${temposecondmainincome} ='seasonal'</i>	January	January
		February	February
		March	March
		April	April
		May	May
		June	June
		July	July
		August	August
		September	September
		October	October
		November	November
		December	December
averagesecondmainincome <i>(required)</i>	Select the average monthly income generated by this activity.		
thirdmainincome <i>(required)</i>	What is the THIRD source of income of household member #1? <i>The third activity that generate more money.</i> <i>Question relevant when: not(selected( \${Firstmainincome} , 'none')) and not(selected( \${Secondmainincome} , 'none'))</i> <i>Response constrained to: true()</i>	agri_crops	Agricultural crops
		agri_products	Transformed agricultural products
		remittance	Migrant remittances
		plants	Selling wild plants
		timber	Selling timber
		livestock	Livestock
		fishing	Fishing
		hunting	Hunting
		charcoal	Charcoal selling

Field	Question	Answer	
		firewood	Selling firewood
		bricks	Brick making
		sand	Sand mining
		business	Small business
		employed	Employed (state job)
		employedpri	Employed (private job)
		ganyu	Piece work (ganyu)
		none	No income
		other	Other (specify)
Consented > B. Economic Activities of the Household Members > Please answer the following questions for each family member of working age who is earning some income and/or subsistence for the household. (1) > Third Income			
Group relevant when: not(selected( \${Firstmainincome} , 'none')) and not(selected( \${Secondmainincome} , 'none')) and not(selected( \${thirdmainincome} , 'none'))			
thirdmainincome_specify (required)	If other, please specify.  Question relevant when: selected( \${thirdmainincome} , 'other') Response constrained to: true()		
tempothirdmainincone (required)	Is this activity permanent or seasonal?	permanent	Permanent
		seasonal	Seasonal
monthsthirdmainincome (required)	If seasonal please select the months during which the activity is done. Question relevant when: \${tempothirdmainincone} ='seasonal'	January	January
		February	February
		March	March
		April	April
		May	May
		June	June
		July	July
		August	August
		September	September
		October	October
		November	November
		December	December
averagethirdmainincome (required)	Select the average monthly income generated by this activity.		
Consented > C. Complementary Information on the Household			
Language (required)	Main language that is spoken at home?	english	English
		chichewa	Chichewa
		chiyao	Chiyao
		chinyanja	Chinyanja
		chinsena	Chinsena
		chilomwe	Chilomwe
		chitumbuka	Chitumbuka
		chitonga	Chitonga
		other	Other (specify)
Languageother (required)	If other, please specify. Question relevant when: \${Language} ='other'		
residedinvillage (required)	Has the household always resided in the village?	yes	Yes
		no	No
residedinvillage_no (required)	If no, from where did the household move from? Question relevant when: \${residedinvillage} ='no'	country	From another country
		region	From another region
		district	From another district
		ta	From another TA
		gvh	From another GVH
		village	From another village within the same district
residedinvillage_no_1 (required)	If other TA, please specify. Question relevant when: \${residedinvillage_no} ='otherta'		
residedinvillage_no_2 (required)	If other district, please specify. Question relevant when: \${residedinvillage_no} ='otherdistrict'		
residedinvillage_no_3 (required)	If other region, please specify. Question relevant when: \${residedinvillage_no} ='otherregion'		
residedother (required)	Does the household live anywhere else at other times of the year?	yes	Yes
		no	No
residedotheryes (required)	If yes, where? Question relevant when: \${residedother} ='yes'		
residedotheryeswhsn (required)	If yes, which months are you generally living there? Question relevant when: \${residedother} ='yes'	January	January
		February	February
		March	March
		April	April
		May	May
		June	June

Field	Question	Answer	
		July	July
		August	August
		September	September
		October	October
		November	November
		December	December
Consented > D. Amenities and Access to Energy			
electricity <i>(required)</i>	Is your house connected to electricity?	yes	Yes
		no	No
electricitycost <i>(required)</i>	If yes, what is the monthly cost (MWK)? If free, indicate "0". Question relevant when: $\$(electricity) = 'yes'$		
light <i>(required)</i>	What do you use for lightning?	oil	Oil/kerosene
		gas	Gas
		candles	Candles
		torch	Battery/ torch / flashlight
		solar	Solar
		electricity	Electricity
		paraffin	Paraffin
		firewood	Firewood
		grass	Grass
		generator	Generator / private sources
		other	Other
lightother <i>(required)</i>	If other, please specify. Question relevant when: $selected(\$(light), 'other')$		
cook <i>(required)</i>	What do you use for cooking?	firewood	Firewood
		charcoal	Charcoal
		electricity	Electricity
		generator	Generator / private sources
		gas	Gas
		oil	Oil/kerosene
		animal	Animal residual (dried cattle dung)
		crop	Crop husks/remains
		paraffin	Paraffin
		solar	Solar
		saw	Saw dust
		other	Other
cookother <i>(required)</i>	If other, please specify. Question relevant when: $selected(\$(cook), 'other')$		
cookwhere <i>(required)</i>	Where do you normally prepare food during the dry season?	insidehouse	Inside the house
		outsidehouse	Outside the house
		outsidekitchen	Outside the house in the kitchen
cookwhere2 <i>(required)</i>	Where do you normally prepare food during the wet season?	insidehouse	Inside the house
		outsidehouse	Outside the house
		outsidekitchen	Outside the house in the kitchen
water <i>(required)</i>	Is your house connected to water?	yes	Yes
		no	No
watercost1 <i>(required)</i>	If yes, what is the monthly cost (MWK)? If free, indicate "0". Question relevant when: $\$(water) = 'yes'$		
drink <i>(required)</i>	What water do you use for drinking?	tap	Tap water
		bh_chlo	Borehole water with chlorine
		bh	Borehole water without chlorine
		bottle	Bottle
		river_treat	River water with treatment
		river	River water without treatment
		other	Other
drinkother <i>(required)</i>	If other, please specify. Question relevant when: $selected(\$(drink), 'other')$		
watercost2 <i>(required)</i>	If community borehole, what is the monthly cost (MWK)? If free, indicate "0".		

Field	Question	Answer	
	<i>Question relevant when: selected( \${drink} , 'bor') or selected( \${drink} , 'borchlo')</i>		
watercollect <i>(required)</i>	How long does it take to collect water (walk from home, collect water and return home)?	under5mins	Less than 5 minutes
		5to30mins	Between 5 minutes and 30 minutes
		30minsto1hr	Between 30 minutes and 1 hour
		over1hr	Over 1 hour
		other	Other (specify)
otherwatercollect <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${watercollect} , 'other')</i>		
watertratyn <i>(required)</i>	Do you treat your water before use?	yes	Yes
		no	No
		idk	Don't know
watertratmetho <i>(required)</i>	If yes, which method is used? <i>Question relevant when: selected( \${watertratyn} , 'yes')</i>	boil	Boiling
		stand	Letting it stand
		agent	Adding purifying agent
		other	Other (specify)
otherwatertratmetho <i>(required)</i>	If other treatment method, please specify. <i>Question relevant when: selected( \${watertratmetho} , 'other')</i>		
watertreatment <i>(required)</i>	Why do you not treat your water? <i>Question relevant when: selected( \${watertratyn} , 'no')</i>	safe	The water is safe, it does not need to be treated
		notrust	I do not trust the purifying agents provided
		notavailable	There was no purifying agent available
		noanswer	Do not want to answer
sanitation <i>(required)</i>	What sanitation system are you using?	nature	In the nature (forest, riverbank, etc)
		outhouse	Traditional pit latrine (toilets outside the house)
		impouthouse	Improved pit latrine (toilets outside the house)
		inhouse	In house (toilets in the house)
		other	Other (specify)
sanitationother <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${sanitation} , 'other')</i>		
rubbish <i>(required)</i>	How do you dispose of household rubbish?	burn	Burn
		landfill	Municipal landfill
		river	Throw in river
		pit	Pit
		other	Other (specify)
rubbish_spec <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${rubbish} , 'other')</i>		
items <i>(required)</i>	Please select the items owned by the household.	none	None
		radio	Radio
		landline	Phone landline
		mobile	Mobile phone
		internet	Internet
		fridge	Fridge
		motorbike	Motorbike
		bicycle	Bicycle
		car	Car
		tv	TV
		cooker	Cooker
		other	Other
item_spec <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${items} , 'other')</i>		
transport <i>(required)</i>	What are the means of transport used by your household?	foot	Foot
		bicycle	Bicycle
		motorcycle	Motorcycle
		car	Private car
		taxi	Taxi
		bus	Bus

Field	Question	Answer	
		other	Other (specify)
transport_other (required)	If other, please specify here. <i>Question relevant when: selected( \${transport} , 'other')</i>		
howlonghc (required)	How long does it take to get to the nearest health centre?	under30mins	Less than half an hour
		30minsto1hr	Between half an hour and an hour
		1to2hrs	Between 1 and 2 hours
		2to4hrs	Between 2 and 4 hours
		over4hrs	More than 4 hours
howlongedu (required)	How long does it take to get to the nearest educational / vocational training facility?	under30mins	Less than half an hour
		30minsto1hr	Between half an hour and an hour
		1to2hrs	Between 1 and 2 hours
		2to4hrs	Between 2 and 4 hours
		over4hrs	More than 4 hours
howlongpolice (required)	How long does it take to get to the nearest police station?	under30mins	Less than half an hour
		30minsto1hr	Between half an hour and an hour
		1to2hrs	Between 1 and 2 hours
		2to4hrs	Between 2 and 4 hours
		over4hrs	More than 4 hours
howlongrelig (required)	How long does it take to get to the nearest religious centre (e.g. church or mosque)?	under30mins	Less than half an hour
		30minsto1hr	Between half an hour and an hour
		1to2hrs	Between 1 and 2 hours
		2to4hrs	Between 2 and 4 hours
		over4hrs	More than 4 hours
Consented > E. Household's Expenditure			
note11	Please indicate your 5 largest household's expenditure items in the last 12 months. For each sources of expenditure please specify the average monthly expense (MWK).		
inc3_1t (required)	Please indicate your largest household expenditure in the last 12 months.	0	No additional expense
		1	Food (including baby food)
		2	Personal items (toiletries, washing powder, diapers etc.)
		3	Transport (bus fares, taxis fees)
		4	Clothes
		5	Taxes (Gov.)
		6	Lighting (paraffin, gas, candles etc.)
		7	Charcoal
		8	Firewood
		9	Telephone (cellular)
		10	Water (transport or pumping costs)
		11	Rental (housing/accommodation)
		12	Agricultural expenses - crops
		13	Agricultural expenses - livestock
		14	New buildings or building improvements
		15	Debt repayment
		16	School fees, uniforms, books/equipment
		17	Medical expenses
		18	Other
inc3_1t_cost (required)	How much per month does your household spend on [first_expense] (MWK)? <i>Question relevant when: \${first_expense} != 'No additional expense'</i>		
inc3_2t (required)	Please indicate your second largest household expenditure in the last 12 months.	0	No additional expense
		1	Food (including baby food)
		2	Personal items (toiletries, washing powder, diapers etc.)
		3	Transport (bus fares, taxis fees)
		4	Clothes
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inc3_2t_cost <i>(required)</i>	How much per month does your household spend on [second_expense] (MWK)? <i>Question relevant when: \${second_expense} != 'No additional expense'</i>																																							
inc3_3t <i>(required)</i>	Please indicate your third largest household expenditure in the last 12 months.	<table border="1"> <tr><td>0</td><td>No additional expense</td></tr> <tr><td>1</td><td>Food (including baby food)</td></tr> <tr><td>2</td><td>Personal items (toiletries, washing powder, diapers etc.)</td></tr> <tr><td>3</td><td>Transport (bus fares, taxis fees)</td></tr> <tr><td>4</td><td>Clothes</td></tr> <tr><td>5</td><td>Taxes (Gov.)</td></tr> <tr><td>6</td><td>Lighting (paraffin, gas, candles etc.)</td></tr> <tr><td>7</td><td>Charcoal</td></tr> <tr><td>8</td><td>Firewood</td></tr> <tr><td>9</td><td>Telephone (cellular)</td></tr> <tr><td>10</td><td>Water (transport or pumping costs)</td></tr> <tr><td>11</td><td>Rental (housing/accommodation)</td></tr> <tr><td>12</td><td>Agricultural expenses - crops</td></tr> <tr><td>13</td><td>Agricultural expenses - livestock</td></tr> <tr><td>14</td><td>New buildings or building improvements</td></tr> <tr><td>15</td><td>Debt repayment</td></tr> <tr><td>16</td><td>School fees, uniforms, books/equipment</td></tr> <tr><td>17</td><td>Medical expenses</td></tr> <tr><td>18</td><td>Other</td></tr> </table>	0	No additional expense	1	Food (including baby food)	2	Personal items (toiletries, washing powder, diapers etc.)	3	Transport (bus fares, taxis fees)	4	Clothes	5	Taxes (Gov.)	6	Lighting (paraffin, gas, candles etc.)	7	Charcoal	8	Firewood	9	Telephone (cellular)	10	Water (transport or pumping costs)	11	Rental (housing/accommodation)	12	Agricultural expenses - crops	13	Agricultural expenses - livestock	14	New buildings or building improvements	15	Debt repayment	16	School fees, uniforms, books/equipment	17	Medical expenses	18	Other
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inc3_3t_cost <i>(required)</i>	How much per month does your household spend on [third_expense] (MWK)? <i>Question relevant when: \${third_expense} != 'No additional expense'</i>																																							
inc3_4t <i>(required)</i>	Please indicate your fourth largest household expenditure in the last 12 months.	<table border="1"> <tr><td>0</td><td>No additional expense</td></tr> <tr><td>1</td><td>Food (including baby food)</td></tr> <tr><td>2</td><td>Personal items (toiletries, washing powder, diapers etc.)</td></tr> <tr><td>3</td><td>Transport (bus fares, taxis fees)</td></tr> <tr><td>4</td><td>Clothes</td></tr> <tr><td>5</td><td>Taxes (Gov.)</td></tr> <tr><td>6</td><td>Lighting (paraffin, gas, candles etc.)</td></tr> <tr><td>7</td><td>Charcoal</td></tr> <tr><td>8</td><td>Firewood</td></tr> <tr><td>9</td><td>Telephone (cellular)</td></tr> <tr><td>10</td><td>Water (transport or pumping costs)</td></tr> <tr><td>11</td><td>Rental (housing/accommodation)</td></tr> <tr><td>12</td><td>Agricultural expenses - crops</td></tr> <tr><td>13</td><td>Agricultural expenses - livestock</td></tr> <tr><td>14</td><td>New buildings or building improvements</td></tr> <tr><td>15</td><td>Debt repayment</td></tr> <tr><td>16</td><td>School fees, uniforms, books/equipment</td></tr> <tr><td>17</td><td>Medical expenses</td></tr> <tr><td>18</td><td>Other</td></tr> </table>	0	No additional expense	1	Food (including baby food)	2	Personal items (toiletries, washing powder, diapers etc.)	3	Transport (bus fares, taxis fees)	4	Clothes	5	Taxes (Gov.)	6	Lighting (paraffin, gas, candles etc.)	7	Charcoal	8	Firewood	9	Telephone (cellular)	10	Water (transport or pumping costs)	11	Rental (housing/accommodation)	12	Agricultural expenses - crops	13	Agricultural expenses - livestock	14	New buildings or building improvements	15	Debt repayment	16	School fees, uniforms, books/equipment	17	Medical expenses	18	Other
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inc3_4t_cost <i>(required)</i>	How much per month does your household spend on [fourth_expense] (MWK)? <i>Question relevant when: \${fourth_expense} != 'No additional expense'</i>																																							
inc3_5t <i>(required)</i>	Please indicate your fifth largest household expenditure in the last 12 months.	<table border="1"> <tr><td>0</td><td>No additional expense</td></tr> <tr><td>1</td><td>Food (including baby food)</td></tr> </table>	0	No additional expense	1	Food (including baby food)																																		
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Field	Question	Answer	
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inc3_5t_cost (required)	How much per month does your household spend on [fifth_expense] (MWK)? <i>Question relevant when: \${fifth_expense} != 'No additional expense'</i>		
inc41 (required)	Have you taken a loan in the last 12 months to cover any expenses?	yes	Yes
		no	No
		idk	Don't know
borrow (required)	If yes, how much did you as a household borrow? <i>Question relevant when: \${inc41} = 'yes'</i>		
creditorg (required)	If yes, from what kind of credit facility did you borrow? <i>Question relevant when: \${inc41} = 'yes'</i>	bank	Bank
		microcred	Micro credit project
		villagebank	Village Bank
		friend	Friends
		family	Family
		other	Other
creditorg_other (required)	If other, please specify. <i>Question relevant when: selected( \${creditorg} , 'other')</i>		
loanreason (required)	What was the main reason for the loan? <i>Question relevant when: \${inc41} = 'yes'</i>	health	To cover health costs
		repay	To repay loan
		food	To buy food
		education	To cover education related costs
		repair	To construct or repair house
		clothing	To purchase clothing
		other	Other
loanreasonother (required)	If other, please specify. <i>Question relevant when: \${loanreason} = 'other'</i>		
moneysyst (required)	When you have to receive money, what system do you use?	otheraccount	Use someone else account
		myaccount	Use my bank account
		cashtrasnfer	Use cash transfer system (Western Union or similar)
		phonetransfer	Use mobile phone money transfer system (Mpamba - TNM, Airtel money - Airtel, or similar)
		other	Other
moneysyst_spec (required)	If other, please specify. <i>Question relevant when: selected( \${moneysyst} , 'other')</i>		
Consented > F. Food Security & Social Support			
fies6 (required)	On average, how many meals are you eating every day?	0	0
		1	1
		2	2
		3	3
		idk	Don't know

Field	Question	Answer	
		noanswer	No answer
fies9 (required)	In the past 4 weeks (30 days), did you or any household member go a whole day and night without eating anything because there was not enough food?	yes	Yes
		no	No
		idk	Don't know
socyn (required)	Has your household received any food assistance in the last 12 months?	yes	Yes
		no	No
		idk	Don't know
socfood (required)	If yes, what type of food assistance was it? <i>Question relevant when: \${socyn} = 'yes'</i>	foodcoupon	Food coupon
		schoolfeeding	School feeding/ supplementary feeding
		foodforwork	Food for work/ for assets
		cashvoucher	Cash voucher/ cash
		foodbasket	Food basket
		other	Other
socfood_spec (required)	If other, please specify. <i>Question relevant when: selected( \${socfood}, 'other')</i>		
socprovider (required)	Who has provided this support ? <i>Question relevant when: \${socyn} = 'yes'</i>	philantropic	Philanthropic individual
		ngo	NGO/ Charity Bodies
		government	Government agency
		other	Other
bus8 (required)	How would you evaluate your family's social conditions?	affordeverything	1. Money suffices for everything. We can afford whatever we want and save money regularly.
		surficeallsave	2. Money suffices both for food and clothing and we can even save some.
		surficeallnosave	3. Money suffices both for food and clothing requirements but we aren't able to save anything.
		minimum	4. Money suffices only for minimum food and clothing requirements.
		strugglemeal	5. We struggle to have three basic meals per day
		idk	6. Don't know
Consented > G. Land Use & Land Rights			
ownlandyn (required)	Are you the owner of the plot you are living in? (residential plot, affected or not affected)	rent	I rent it
		own	I own it (I can sell it without the consent of anyone)
		coown	I own it with my wife/husband
		wife	It belongs to my wife/husband family
		family	It belongs to my family
		free	I occupy it for free and it's not mine
		other	7. Other
ownother (required)	If other, please specify. <i>Question relevant when: \${ownlandyn} = 'other'</i>		
rentamount (required)	How much do you pay every month (MWK)? <i>Question relevant when: \${ownlandyn} = 'rent'</i>		
paytousespec (required)	If so, who does the household pay to use this land? <i>Question relevant when: \${ownlandyn} = 'rent'</i>	chief	Chief of Village
		landlord	Landlord (tenant farmer)
		employer	Employer
		districtgov	District government
		other	Other (specify)
ownerdocument (required)	Do you have any document with your name on it/your wife's name on it proving that? <i>Question relevant when: selected( \${ownlandyn}, 'own') or selected( \${ownlandyn}, 'coown') or selected( \${ownlandyn}, 'wife') or selected( \${ownlandyn}, 'family')</i>	yes	Yes
		no	No
		idk	Don't know

Field	Question	Answer	
documenttype (required)	If yes, what kind of document is it? <i>Question relevant when: \${ownerdocument} = 'yes'</i>	formal	Formal document (from the District authorities, or land deed)
		informal	Informal document (from the Village Head)
		other	Other document
documenttype_spec (required)	If other, please specify. <i>Question relevant when: selected( \${documenttype} , 'other')</i>		
rightoccup (required)	Please specify who gave you the right to occupy this plot. <i>Question relevant when: \${ownlandyn} = 'free'</i>	custom	Inherited from parents (customary)
		chief	Chief of Village
		employ	Employer
		distric	District government
		other	Other (specify)
numbotherplot (required)	How many plots does the household have? (affected and not affected)		
hhcomuse (required)	Does the household make use of communal land?	yes	Yes
		no	No
hhcomuseyes (required)	If yes, for what does the household use the land? <i>Question relevant when: \${hhcomuse} = 'yes'</i>	graze	Communal grazing
		food	Foraging for food
		materials	Foraging for materials for housing
		materialsuse	Foraging for materials for household use
		naturalres	Foraging for natural resources for sale
		other	Other (specify)
hhcomuseyes_spec (required)	If other, please specify. <i>Question relevant when: selected( \${hhcomuseyes} , 'other')</i>		
Consented > H. Agriculture & Trees			
nbragriplots (required)	How many agricultural plots do you use? (affected and not affected) <i>If none enter "0".</i>		
Consented > H. Agriculture & Trees > Agricultural plots <i>Group relevant when: \${nbragriplots} != 0</i>			
cropused (required)	What proportion of crops produced is used for household consumption? <i>Indicate the share of crops used for self-consumption</i>	all	All
		most	Most
		some	Some
		none	None
fieldproducelimits (required)	What limits the quantity of crops grown?	nolimit	There is no limitation of crops grown
		poorsoilquality	Poor soil quality
		lackofirrigation	Lack of irrigation
		priceofseeds	Price of seeds
		priceoffertiliser	price of fertiliser
		lackoffland	Lack of land
		lackofrain	Lack of rain
		lackoftools	Lack of tools
		lackofknowledge	Lack of knowledge
		thftpeoplestealing	Theft / people stealing
		conflictwithwildanimals	Conflict with wild animals
		conflictwithanimalherders	Conflict with animal herders
		other	Other
idk	Do not know		

Field	Question	Answer	
fieldcultivation <i>(required)</i>	Are your crops cultivated by yourself or others?	myself	By myself
		others	By others
		my_other	By myself and others
labour <i>(required)</i>	Who do you use as labour for your plots of land? <i>Question relevant when: not(selected( \${fieldcultivation} , 'myself'))</i>	family	Family only
		nonpaid	Neighbours (non paid)
		hired	Hired labour (paid)
		famandnonpaid	Family and non paid labour
		famandhired	Family and paid labour
		other	Other (specify)
labourother <i>(required)</i>	If other, please specify. <i>Question relevant when: \${labour} = 'other'</i>		
bus5 <i>(required)</i>	How many person on average do you pay on your plots of land for agricultural activities? <i>If none enter '0':</i> <i>Question relevant when: selected( \${labour} , 'hired') or selected( \${labour} , 'famandhired')</i>		
agricultural_phase <i>(required)</i>	What is the agricultural phase of your field? <i>If more than one field, answer for the majority.</i>	clearing	Clearing the field
		ridging	Ridging the field
		planting	Planting the field
		harvesting	Harvesting the field
		NA	N/A - no annual crops
clean_ridge_yn <i>(required)</i>	Do you clean and ridge the field by yourself?	yes	Yes
		no	No
		idk	Don't know or Doesn't apply
tillage <i>(required)</i>	What method of tillage do you use?	manual	Hand hoe or other type of equipment
		cows	Cows
		donkey	Donkey
		tractor	Tractor
		other	Other (specify)
		no_tillage	No tillage
tillageother <i>(required)</i>	If other, please specify. <i>Question relevant when: \${tillage} = 'other'</i>		
fertilizeryn <i>(required)</i>	Do you use fertilizer?	yes	Yes
		no	No
		idk	Don't know
fertilizertype <i>(required)</i>	If yes, what type? <i>Question relevant when: \${fertilizeryn} = 'yes'</i>	urea	Urea
		booster	Booster
		npk	NPK
		can	CAN (Calcium Ammonium Nitrate)
		manure	Manure
		cooked_manure	Cooked manure
		other	Other
fertilizertype_spec <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${fertilizertype} , 'other')</i>		
pesticideyn <i>(required)</i>	Do you use pesticide?	yes	Yes
		no	No
		idk	Don't know
pesticidetype <i>(required)</i>	If yes, what type? <i>Question relevant when: \${pesticideyn} = 'yes'</i>	actellic	Actellic
		cypermethrin	Cypermethrin
		snowcron	Snowcron 500 EC
		rogor	Rogor
		diethyl	Diethyl ether
		dimethyl	Diméthyl
		dithane	Dithane M-45
		other	Other
pesticidetype_spec <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${pesticidetype} , 'other')</i>		
irrigatyesno <i>(required)</i>	Are you irrigating your crops?	yes	Yes
		no	No
		idk	Don't know
watersource <i>(required)</i>	Type of water source for the irrigation? <i>Question relevant when: \${irrigatyesno} = 'yes'</i>	rainprecip	Rain-fed
		shire_river	Shire river
		other_river	Other river than shire
		commborehole	Village well/borehole

Field	Question	Answer	
		homeborehole	private well/borehole
		rainwater	Rain harvesting and storage
		other	Other
watersourceother (required)	If other, please specify. Question relevant when: \${watersource} = 'other'		
watertype (required)	Type of irrigation technique? Question relevant when: \${irrigatyesno} = 'yes'	bucket	Manually, with a bucket
		hand_pump	Hand driven pump
		treadle_pump	Treadle pump
		generator	Generator pump
		solar	Solar pump
		pivot	Pivot
		sprinkler	Sprinkler
		other	Other (specify)
watertype_spec (required)	If other, please specify. Question relevant when: selected( \${watertype} , 'other')		
waterfreq (required)	Frequency of irrigation? Question relevant when: \${irrigatyesno} = 'yes'	onceweek	Once a week
		twiceweek	Twice a week
		every2days	Every other day
		once_day	Once a day
		twice_day	Twice a day
		thrice_day	Three times a day
		over_thrice_day	Over three times a day
waterreliab (required)	Reliability? Question relevant when: \${irrigatyesno} = 'yes'	low	Low
		high	High
waterquant (required)	Quantity? Question relevant when: \${irrigatyesno} = 'yes'	sufficient	Sufficient
		insufficient	Insufficient
waterqual (required)	Quality? Question relevant when: \${irrigatyesno} = 'yes'	good	good
		notgood	not good
watercost (required)	Cost? Question relevant when: \${irrigatyesno} = 'yes'	affordable	Affordable
		notaff	not affordable
		free	Free (the water is not paid for)
crop_type (required)	What crops do you have ?	maize	Maize (chimanga)
		cassava	Cassava (Chinangwa)
		sorghum	Sorghum
		groundnut	Ground nut (Mtedza)
		sweetpotato	Sweet potato
		rice	Rice
		legumes	Legumes
		irish_potato	Irish potato
		papaya	Papaya
		banana	Banana
		tomato	Tomato
		pea	Pea
		cowbeans	Cow beans (Nkhungudzu)
		beans	Beans (Nyemba)
		onion	Onion
		cabbage	Cabbage
		pigeonpeas	Pigeon peas (Nandolo)
		sugarcane	Sugar cane (Mzimbe)
		other	Other (specify)
		notinuse	Not in use
crops_note	For each crop/vegetable, please provide us with the following information (for all plots the household has access to).		
Consented > H. Agriculture & Trees > Agricultural plots > For each crop/vegetable, could you please provide us with the following information (for all plots the household has access to)?			
Consented > H. Agriculture & Trees > Agricultural plots > For each crop/vegetable, could you please provide us with the following information (for all plots the household has access to)? > Dry season yield (in Kg) during the last 12 months for each crop / vegetable			
Maize_dry	Maize (chimanga) Question relevant when: \${crop_type} = 'maize'		
Cassava_dry	Cassava (Chinangwa) Question relevant when: \${crop_type} = 'cassava'		
sorghum_dry	Sorghum Question relevant when: \${crop_type} = 'sorghum'		

Field	Question	Answer
groundnut_dry	Ground nut (Mtedza) <i>Question relevant when: \${crop_type} ='groundnut'</i>	
sweetpotato_dry	Sweet potato <i>Question relevant when: \${crop_type} ='sweetpotato'</i>	
rice_dry	Rice <i>Question relevant when: \${crop_type} ='rice'</i>	
legume_dry	Legume <i>Question relevant when: \${crop_type} ='legume'</i>	
irish_potato_dry	Irish potato <i>Question relevant when: \${crop_type} ='irish_potato'</i>	
papaya_dry	Papaya <i>Question relevant when: \${crop_type} ='papaya'</i>	
banana_dry	Banana <i>Question relevant when: \${crop_type} ='banana'</i>	
tomato_dry	Tomato <i>Question relevant when: \${crop_type} ='tomato'</i>	
pea_dry	Pea <i>Question relevant when: \${crop_type} ='pea'</i>	
cowbeans_dry	Cow beans (Nkhungudzu) <i>Question relevant when: \${crop_type} ='cowbeans'</i>	
beans_dry	Beans (Nyemba) <i>Question relevant when: \${crop_type} ='beans'</i>	
onion_dry	Onion <i>Question relevant when: \${crop_type} ='onion'</i>	
cabbage_dry	Cabbage <i>Question relevant when: \${crop_type} ='cabbage'</i>	
pigeonpeas_dry	Pigeon peas (Nandolo) <i>Question relevant when: \${crop_type} ='pigeonpeas'</i>	
sugarcane_dry	Sugar cane (Mzimbe) <i>Question relevant when: \${crop_type} ='sugarcane'</i>	
Consented > H. Agriculture & Trees > Agricultural plots > And during the wet season?		
Maize_wet	Maize (chimanga) <i>Question relevant when: \${crop_type} ='maize'</i>	
Cassava_wet	Cassava (Chinangwa) <i>Question relevant when: \${crop_type} ='cassava'</i>	
sorghum_wet	Sorghum <i>Question relevant when: \${crop_type} ='sorghum'</i>	
groundnut_wet	Ground nut (Mtedza) <i>Question relevant when: \${crop_type} ='groundnut'</i>	
sweetpotato_wet	Sweet potato <i>Question relevant when: \${crop_type} ='sweetpotato'</i>	
rice_wet	Rice <i>Question relevant when: \${crop_type} ='rice'</i>	
legume_wet	Legume <i>Question relevant when: \${crop_type} ='legume'</i>	
irish_potato_wet	Irish potato <i>Question relevant when: \${crop_type} ='irish_potato'</i>	
papaya_wet	Papaya <i>Question relevant when: \${crop_type} ='papaya'</i>	
banana_wet	Banana <i>Question relevant when: \${crop_type} ='banana'</i>	
tomato_wet	Tomato <i>Question relevant when: \${crop_type} ='tomato'</i>	
pea_wet	Pea <i>Question relevant when: \${crop_type} ='pea'</i>	
cowbeans_wet	Cow beans (Nkhungudzu) <i>Question relevant when: \${crop_type} ='cowbeans'</i>	
beans_wet	Beans (Nyemba) <i>Question relevant when: \${crop_type} ='beans'</i>	
onion_wet	Onion <i>Question relevant when: \${crop_type} ='onion'</i>	
cabbage_wet	Cabbage <i>Question relevant when: \${crop_type} ='cabbage'</i>	
pigeonpeas_wet	Pigeon peas (Nandolo) <i>Question relevant when: \${crop_type} ='pigeonpeas'</i>	
sugarcane_wet	Sugar cane (Mzimbe) <i>Question relevant when: \${crop_type} ='sugarcane'</i>	
Consented > H. Agriculture & Trees > Agricultural plots > Proportion of crops sold		
Maize_sold	Maize (chimanga)	all All

Field	Question	Answer	
	<i>Question relevant when: \${crop_type}='maize' and not(selected( \${cropused} , 'All'))</i>	most	Most
		some	Some
		none	None
Cassava_sold	Cassava (Chinangwa) <i>Question relevant when: \${crop_type}='cassava' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
sorghum_sold	Sorghum <i>Question relevant when: \${crop_type}='sorghum' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
groundnut_sold	Ground nut (Mtedza) <i>Question relevant when: \${crop_type}='groundnut' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
sweetpotato_sold	Sweet potato <i>Question relevant when: \${crop_type}='sweetpotato' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
rice_sold	Rice <i>Question relevant when: \${crop_type}='rice' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
legume_sold	Legume <i>Question relevant when: \${crop_type}='legume' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
irish_potato_sold	Irish potato <i>Question relevant when: \${crop_type}='irish_potato' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
papaya_sold	Papaya <i>Question relevant when: \${crop_type}='papaya' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
banana_sold	Banana <i>Question relevant when: \${crop_type}='banana' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
tomato_sold	Tomato <i>Question relevant when: \${crop_type}='tomato' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
pea_sold	Pea <i>Question relevant when: \${crop_type}='pea' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
cowbeans_sold	Cow beans (Nkhungudzu) <i>Question relevant when: \${crop_type}='cowbeans' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
beans_sold	Beans (Nyemba) <i>Question relevant when: \${crop_type}='beans' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
onion_sold	Onion <i>Question relevant when: \${crop_type}='onion' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
cabbage_sold	Cabbage <i>Question relevant when: \${crop_type}='cabbage' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
pigeonpeas_sold	Pigeon peas (Nandolo) <i>Question relevant when: \${crop_type}='pigeonpeas' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some

Field	Question	Answer	
		none	None
sugarcane_sold	Sugar cane (Mzimbe) <i>Question relevant when: \${crop_type}='sugarcane' and not(selected( \${cropused} , 'All'))</i>	all	All
		most	Most
		some	Some
		none	None
agri_program_yesno <i>(required)</i>	Do you benefit from an agricultural programme?	yes	Yes
		no	No
		idk	Don't know
agri_program_list <i>(required)</i>	From which one do you benefit? <i>Question relevant when: \${agri_program_yesno}='yes'</i>	mwasip	Mwasip
		cadecom	Cadecom
		umodzi	Umodzi
		wwv	World wide vision
		african_parks	African Parks
		other	Other
agri_program_pter <i>(required)</i>	If other, please specify which one(s). <i>Question relevant when: \${agri_program_list}='other'</i>		
agri_selling <i>(required)</i>	How do you sell your crops?	individual	As an individual
		other_farmers	With other farmers
		notselling	I do not sell crops
		idk	Don't know
		noanswer	No answer
tree_grow <i>(required)</i>	Does your household grow trees? (in affected and not affected landplots)	yes	Yes
		no	No
Consented > H. Agriculture & Trees > trees_group <i>Group relevant when: selected( \${tree_grow} , 'yes')</i>			
tree <i>(required)</i>	Type of tree grown (in affected and not affected landplots)	banana	Banana
		pawpaw	Pawpaw
		plantain	Plantain
		mango	Mango
		citrus	Citrus
		coconut	Coconut
		avocado	Avocado
		eucalyptus	Eucalyptus
		firtree	Fir tree
		other	Other (specify)
treeother <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${tree} , 'other')</i>		
challenges_activity <i>(required)</i>	Are there challenges related to this activity?	yes	Yes
		no	No
ifyes_challenges <i>(required)</i>	If yes, what challenges? <i>Question relevant when: \${challenges_activity}='yes'</i>		
treeusage <i>(required)</i>	Do you make use of trees for firewood or charcoal production?	charcoal	Charcoal
		firewood	Firewood
		none	None
		idk	Do not know
		noanswer	No answer
treeusagearea <i>(required)</i>	For Charcoal making, are the trees in your private areas, someone else's private area, or in communal areas? Please identify the general area <i>Question relevant when: \${treeusage}='charcoal'</i>	privateu	Your private land
		privateother	Someone else's private land
		communal	Communal land
Consented > I. Livestock & Grazing			
animal_grow <i>(required)</i>	Does your household have livestock (cattle, goats, chicken, etc.)?	yes	Yes
		no	No
		idk	Don't know
Consented > I. Livestock & Grazing > Livestock <i>Group relevant when: \${animal_grow}='yes'</i>			
CowNumber <i>(required)</i>	Number of cattle (cows) owned by the household? <i>If none enter "0".</i>		
Cow_rearing <i>(required)</i>	Rearing method? <i>Question relevant when: \${CowNumber} &gt; 0</i>	no_grazing	No grazing
		grazing_rb	Grazing in the riverbank
		grazing_village	Grazing in the village close-by lands
		grazing_mountain	Grazing in the mountains
		pastoralism	Pastoralism

Field	Question	Answer	
Cow_sold (required)	What proportion is sold for cash? <i>Question relevant when: \${CowNumber} &gt; 0</i>	all	All
		most	Most
		some	Some
		none	None
cow_water (required)	What is the cow's main water source? <i>Question relevant when: \${CowNumber} &gt; 0</i>	rainprecip	Rain-fed
		shire_river	Shire river
		other_river	Other river than shire
		commborehole	Village well/borehole
		homeborehole	private well/borehole
		rainwater	Rain harvesting and storage
cow_medicine_yesno (required)	Do you use medicine or vaccine for cows? <i>Question relevant when: \${CowNumber} &gt; 0</i>	yes	Yes
		no	No
		idk	Don't know
GoatNumber (required)	Number of goat owned by the household? <i>If none enter "0".</i>		
Goat_rearing (required)	Rearing method? <i>Question relevant when: \${GoatNumber} &gt; 0</i>	no_grazing	No grazing
		grazing_rb	Grazing in the riverbank
		grazing_village	Grazing in the village close-by lands
		grazing_mountain	Grazing in the mountains
		pastoralism	Pastoralism
goat_sold (required)	What proportion is sold for cash? <i>Question relevant when: \${GoatNumber} &gt; 0</i>	all	All
		most	Most
		some	Some
		none	None
goat_water (required)	What is the goat's main water source? <i>Question relevant when: \${GoatNumber} &gt; 0</i>	rainprecip	Rain-fed
		shire_river	Shire river
		other_river	Other river than shire
		commborehole	Village well/borehole
		homeborehole	private well/borehole
		rainwater	Rain harvesting and storage
goat_medicine_yesno (required)	Do you use medicine or vaccine for goats? <i>Question relevant when: \${GoatNumber} &gt; 0</i>	yes	Yes
		no	No
		idk	Don't know
ChickenNumber (required)	Number of chicken owned by the household? <i>If none enter "0".</i>		
chicken_sold (required)	What proportion is sold for cash? <i>Question relevant when: \${ChickenNumber} &gt; 0</i>	all	All
		most	Most
		some	Some
		none	None
chicken_water (required)	What is the chicken's main water source? <i>Question relevant when: \${ChickenNumber} &gt; 0</i>	rainprecip	Rain-fed
		shire_river	Shire river
		other_river	Other river than shire
		commborehole	Village well/borehole
		homeborehole	private well/borehole
		rainwater	Rain harvesting and storage
chicken_medicine_yesno (required)	Do you use medicine or vaccine for chickens? <i>Question relevant when: \${ChickenNumber} &gt; 0</i>	yes	Yes
		no	No
		idk	Don't know
PigNumber	Number of pigs owned by the household? <i>If none enter "0".</i>		
pig_sold (required)	What proportion is sold for cash? <i>Question relevant when: \${PigNumber} &gt; 0</i>	all	All
		most	Most
		some	Some
		none	None
pig_water (required)	What is the pig's main water source? <i>Question relevant when: \${PigNumber} &gt; 0</i>	rainprecip	Rain-fed
		shire_river	Shire river
		other_river	Other river than shire
		commborehole	Village well/borehole

Field	Question	Answer	
		homeborehole	private well/borehole
		rainwater	Rain harvesting and storage
		other	Other
pig_medicine_yesno <i>(required)</i>	Do you use medicine or vaccine for pigs? <i>Question relevant when: \${PigNumber} &gt; 0</i>	yes	Yes
		no	No
		idk	Don't know
SheepNumber <i>(required)</i>	Number of sheep owned by the household? <i>If none enter "0".</i>		
Sheep_rearing <i>(required)</i>	Rearing method? <i>Question relevant when: \${SheepNumber} &gt; 0</i>	no_grazing	No grazing
		grazing_rb	Grazing in the riverbank
		grazing_village	Grazing in the village close-by lands
		grazing_mountain	Grazing in the mountains
		pastoralism	Pastoralism
Sheep_sold <i>(required)</i>	What proportion is sold for cash? <i>Question relevant when: \${SheepNumber} &gt; 0</i>	all	All
		most	Most
		some	Some
		none	None
Sheep_water <i>(required)</i>	What is the sheep's main water source? <i>Question relevant when: \${SheepNumber} &gt; 0</i>	rainprecip	Rain-fed
		shire_river	Shire river
		other_river	Other river than shire
		commborehole	Village well/borehole
		homeborehole	private well/borehole
		rainwater	Rain harvesting and storage
		other	Other
sheep_medicine_yesno <i>(required)</i>	Do you use medicine or vaccine for sheeps? <i>Question relevant when: \${SheepNumber} &gt; 0</i>	yes	Yes
		no	No
		idk	Don't know
GuineafowlNumber <i>(required)</i>	Number of guineafowls owned by the household? <i>If none enter "0".</i>		
Guineafowl_sold <i>(required)</i>	What proportion is sold for cash? <i>Question relevant when: \${GuineafowlNumber} &gt; 0</i>	all	All
		most	Most
		some	Some
		none	None
gf_water <i>(required)</i>	What is the guineafowl's main water source? <i>Question relevant when: \${GuineafowlNumber} &gt; 0</i>	rainprecip	Rain-fed
		shire_river	Shire river
		other_river	Other river than shire
		commborehole	Village well/borehole
		homeborehole	private well/borehole
		rainwater	Rain harvesting and storage
		other	Other
gf_medicine_yesno <i>(required)</i>	Do you use medicine or vaccine for guineafowls? <i>Question relevant when: \${GuineafowlNumber} &gt; 0</i>	yes	Yes
		no	No
		idk	Don't know
PigeonNumber	Number of pigeons owned by the household? <i>If none enter "0".</i>		
Pigeon_sold <i>(required)</i>	What proportion is sold for cash? <i>Question relevant when: \${PigeonNumber} &gt; 0</i>	all	All
		most	Most
		some	Some
		none	None
Pigeon_water <i>(required)</i>	What is the pigeons' main water source? <i>Question relevant when: \${PigeonNumber} &gt; 0</i>	rainprecip	Rain-fed
		shire_river	Shire river
		other_river	Other river than shire
		commborehole	Village well/borehole
		homeborehole	private well/borehole
		rainwater	Rain harvesting and storage
		other	Other
pigeon_medicine_yesno <i>(required)</i>	Do you use medicine or vaccine for pigeons? <i>Question relevant when: \${PigeonNumber} &gt; 0</i>	yes	Yes
		no	No
		idk	Don't know
RabbitNumber <i>(required)</i>	Number of rabbits owned by the household?		

Field	Question	Answer	
	<i>If none enter "0".</i>		
Rabbit_sold (required)	What proportion is sold for cash? <i>Question relevant when: \${RabbitNumber} &gt; 0</i>	all	All
		most	Most
		some	Some
		none	None
Rabbit_water (required)	What is the rabbits' main water source? <i>Question relevant when: \${RabbitNumber} &gt; 0</i>	rainprecip	Rain-fed
		shire_river	Shire river
		other_river	Other river than shire
		commborehole	Village well/borehole
		homeborehole	private well/borehole
		rainwater	Rain harvesting and storage
		other	Other
rabbit_medicine_yesno (required)	Do you use medicine or vaccine for rabbits? <i>Question relevant when: \${RabbitNumber} &gt; 0</i>	yes	Yes
		no	No
		idk	Don't know
DuckNumber (required)	Number of ducks owned by the household? <i>If none enter "0".</i>		
Duck_sold (required)	What proportion is sold for cash? <i>Question relevant when: \${DuckNumber} &gt; 0</i>	all	All
		most	Most
		some	Some
		none	None
Duck_water (required)	What is the ducks' main water source? <i>Question relevant when: \${DuckNumber} &gt; 0</i>	rainprecip	Rain-fed
		shire_river	Shire river
		other_river	Other river than shire
		commborehole	Village well/borehole
		homeborehole	private well/borehole
		rainwater	Rain harvesting and storage
		other	Other
duck_medicine_yesno (required)	Do you use medicine or vaccine for ducks? <i>Question relevant when: \${DuckNumber} &gt; 0</i>	yes	Yes
		no	No
		idk	Don't know
livestock_other (required)	Any other livestock?	yes	Yes
		no	No
		idk	Don't know
livestock_other_specify (required)	If yes, please specify. <i>Question relevant when: \${livestock_other} = 'yes'</i>		
livestock_other_rearing (required)	Rearing method for #livestock_other_specify? <i>Question relevant when: \${livestock_other} = 'yes'</i>	no_grazing	No grazing
		grazing_rb	Grazing in the riverbank
		grazing_village	Grazing in the village close-by lands
		grazing_mountain	Grazing in the mountains
		pastoralism	Pastoralism
livestock_other_sold (required)	What proportion of #livestock_other_specify is sold for cash? <i>Question relevant when: \${livestock_other} = 'yes'</i>	all	All
		most	Most
		some	Some
		none	None
graze1 (required)	Does anyone in your household use grazing areas for livestock? <i>Question relevant when: \${livestock_other} = 'yes'</i>	yes	Yes
		no	No
graze3 (required)	If yes, how often are the grazing areas used? <i>Question relevant when: \${graze1} = 'yes'</i>	everyday	Every day
		oncweek	Once a week
		oncmonth	Once a month
		lessoncmonth	Less than once a month
graze4 (required)	If yes, is there enough food for the animals? <i>Question relevant when: \${graze1} = 'yes'</i>	yes	Yes
		no	No
graze5 (required)	If yes, do you compete with other people for good grazing areas? <i>Question relevant when: \${graze1} = 'yes'</i>	yes	Yes
		no	No
graze6 (required)	Are you able to sell these animals or some animal products or is it only for self-consumption? <i>Question relevant when: \${livestock_other} = 'yes'</i>	sell	It is only for selling
		eat	It is only for self consumption
		both1	It is both for selling and for self consumption if some left

Field	Question	Answer	
		both2	It is both for self consumption and for selling if some left
graze7 (required)	Who do you sell your livestock to? <i>Question relevant when: not(selected( \${graze6} , 'eat'))</i>	not_selling	Not selling any livestock
		villagers	To villagers
		butchers	To butchers at the local market
		companies	To companies
		other	Other (specify)
livestock_sell_spec (required)	If other, please specify. <i>Question relevant when: selected( \${graze7} , 'other')</i>		
Consented > J. Ecosystem Services & River Use			
medplantyn (required)	Are you collecting medicinal herbs or plants?	yes	Yes
		no	No
		idk	Don't know
medplantw (required)	If yes, where? <i>Question relevant when: \${medplantyn} = 'yes'</i>	house	Near my house
		shire	In the Shire riverbank
		river	Another riverbank
		in_village	Elsewhere in the village
		out_village	Elsewhere outside the village
		other	Other
firewoodyn (required)	Are you collecting firewood?	yes	Yes
		no	No
		idk	Don't know
firewoodw (required)	If yes, where? <i>Question relevant when: \${firewoodyn} = 'yes'</i>	house	Near my house
		shire	In the Shire riverbank
		river	Another riverbank
		in_village	Elsewhere in the village
		out_village	Elsewhere outside the village
		other	Other
hayyn (required)	Are you collecting hay?	yes	Yes
		no	No
		idk	Don't know
hayw (required)	If yes, where? <i>Question relevant when: \${hayyn} = 'yes'</i>	house	Near my house
		shire	In the Shire riverbank
		river	Another riverbank
		in_village	Elsewhere in the village
		out_village	Elsewhere outside the village
		other	Other
woodyn (required)	Are you collecting wood for construction?	yes	Yes
		no	No
		idk	Don't know
woodw (required)	If yes, where? <i>Question relevant when: \${woodyn} = 'yes'</i>	house	Near my house
		shire	In the Shire riverbank
		river	Another riverbank
		in_village	Elsewhere in the village
		out_village	Elsewhere outside the village
		other	Other
charcoalyn (required)	Are you doing charcoal?	yes	Yes
		no	No
		idk	Don't know
charcoalw (required)	If yes, where? <i>Question relevant when: \${charcoalyn} = 'yes'</i>	house	Near my house
		shire	In the Shire riverbank
		river	Another riverbank
		in_village	Elsewhere in the village
		out_village	Elsewhere outside the village
		other	Other
potteryyn (required)	Are you doing pottery?	yes	Yes
		no	No
		idk	Don't know
potteryw (required)	If yes, where do you collect the clay? <i>Question relevant when: \${potteryyn} = 'yes'</i>	house	Near my house
		shire	In the Shire riverbank
		river	Another riverbank

Field	Question	Answer	
		in_village	Elsewhere in the village
		out_village	Elsewhere outside the village
		other	Other
brickyn <i>(required)</i>	Are you doing bricks?	yes	Yes
		no	No
		idk	Don't know
brickw <i>(required)</i>	If yes, where do you collect the sand? <i>Question relevant when: \${brickyn} = 'yes'</i>	house	Near my house
		shire	In the Shire riverbank
		river	Another riverbank
		in_village	Elsewhere in the village
		out_village	Elsewhere outside the village
		other	Other
huntyn <i>(required)</i>	Does someone in the household hunt?	yes	Yes
		no	No
		idk	Don't know
huntw <i>(required)</i>	If yes, where do you hunt? <i>Question relevant when: \${huntyn} = 'yes'</i>	house	Near my house
		shire	In the Shire riverbank
		river	Another riverbank
		in_village	Elsewhere in the village
		out_village	Elsewhere outside the village
		other	Other
hunt_frequency <i>(required)</i>	How often do you hunt? <i>Question relevant when: \${huntyn} = 'yes'</i>	onceweek	Once a week
		oncemonth	Once a month
		lessoncemonth	Less than once a month
huntwhat <i>(required)</i>	Select the animals you hunt: <i>Question relevant when: \${huntyn} = 'yes'</i>	antelopes	Impala/antelopes
		rat	Rat
		crocodile	Crocodile
		monkey	Monkey
		hare	Hare
		rabbit	Rabbit
		partridge	Partridge/quail
		wildpigs	Wild pigs/Warthogs
		other	Other (specify)
huntother <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${huntwhat} , 'other')</i>		
huntuse <i>(required)</i>	What do you do with the animals you hunt? <i>Question relevant when: \${huntyn} = 'yes'</i>	skins	Skins
		rituals	Rituals
		food	Food
		other	Other
terrazzoyn <i>(required)</i>	Are you collecting Terrazzo stone?	yes	Yes
		no	No
		idk	Don't know
terrazzow <i>(required)</i>	If yes, where do you collect it? <i>Question relevant when: \${terrazzoyn} = 'yes'</i>	house	Near my house
		shire	In the Shire riverbank
		river	Another riverbank
		in_village	Elsewhere in the village
		out_village	Elsewhere outside the village
		other	Other
sandyn <i>(required)</i>	Are you collecting sand to sell?	yes	Yes
		no	No
		idk	Don't know
sandw <i>(required)</i>	If yes, where do you collect it? <i>Question relevant when: \${sandyn} = 'yes'</i>	house	Near my house
		shire	In the Shire riverbank
		river	Another riverbank
		in_village	Elsewhere in the village
		out_village	Elsewhere outside the village
		other	Other
riverfishyn <i>(required)</i>	Are you using the river to fish?	yes	Yes
		no	No
		idk	Don't know
riverfishw <i>(required)</i>	If yes, which river?	shire	Shire

Field	Question	Answer	
	Question relevant when: $\{riverfishyn\} = 'yes'$	lisungwe	Lisungwe
		makale	Makale
		nkalazi	Nkalazi
		nkujidi	Nkujidi
		midati	Midati
		mulanga	Mulanga
		madzimaela	Madzimaela
		other	Other
mostfishedfishes (required)	If yes, what are the 5 most important fish species that you fish? Question relevant when: $\{riverfishyn\} = 'yes'$ Response constrained to: $count-selected(.) \leq 5$	chambo	Chambo
		utaka	Utaka
		mcheni	Mcheni
		usipa	Usipa
		matemba	Matemba
		kampango	Kampango
		mlamba	Mlamba
		other	Other (specify)
otherfishedfish (required)	If other, please specify. Question relevant when: $selected(\{mostfishedfishes\}, 'other')$		
fishingmeans (required)	Please indicate the means used to fish. Question relevant when: $\{riverfishyn\} = 'yes'$	gillnets	Gillnets
		seine	Seine nets
		drag	Drag nets
		cast	Cast nets
		scoop	Scoop nets
		basket	Basket traps
		fixed	Fixed traps
		handline	Handline
		lomgline	Longlines
		troll	Troll lines
		spear	Spear, stick
		poison	Poison fishing,
		dynamite	Dynamite fishing
		other	Other
fishingmeans_spec (required)	If other, please specify. Question relevant when: $selected(\{fishingmeans\}, 'other')$		
fishingplace (required)	Are you fishing from the river bank or from a boat? Question relevant when: $\{riverfishyn\} = 'yes'$	boat	From a boat
		bank	From the river bank
		both	Both
		other	Other
fishfishedeaten (required)	What is the proportion of fish sold vs self-consumed? Indicate in % the proportion of fish self-consumed Question relevant when: $\{riverfishyn\} = 'yes'$	0	None
		25	25%
		50	50%
		75	75% (most)
		100	All
		idk	Don't know
		noanswer	No answer
water_cattle (required)	How do you water your cattle? Question relevant when: $selected(\{animal\_grow\}, 'yes')$	shire	In the Shire River
		river	In another river (specify)
		borehole	Using a borehole
		tap	Using tap water
		other	Other (specify)
		no_cattle	N/A
water_cattle_river (required)	Which river? If more than one river, choose the one you rely on the most. Question relevant when: $selected(\{water\_cattle\}, 'river')$	shire	Shire
		lisungwe	Lisungwe
		makale	Makale
		nkalazi	Nkalazi
		nkujidi	Nkujidi
		midati	Midati
		mulanga	Mulanga
		madzimaela	Madzimaela
		other	Other
water_cattle_other (required)	If other method of watering cattle, please specify here. Question relevant when: $selected(\{water\_cattle\}, 'other')$		
riverceremonyyn (required)	Are you doing any cultural or religious ceremony in the river?	none	No
		batpism	Baptism
		initboy	Initiation ceremony for boys
		initgirl	Initiation ceremony for girls
		other	Other (specify)

Field	Question	Answer																		
riverceremonyother <i>(required)</i>	If other, please specify. <i>Question relevant when: \${riverceremonyyn} = 'other'</i>																			
riverceremonywher <i>(required)</i>	If yes, which river? <i>Question relevant when: \${riverceremonyyn} != 'none'</i>	<table border="1"> <tr><td>shire</td><td>Shire</td></tr> <tr><td>lisungwe</td><td>Lisungwe</td></tr> <tr><td>makale</td><td>Makale</td></tr> <tr><td>nkalazi</td><td>Nkalazi</td></tr> <tr><td>nkujidi</td><td>Nkujidi</td></tr> <tr><td>midati</td><td>Midati</td></tr> <tr><td>mulanga</td><td>Mulanga</td></tr> <tr><td>madzimaela</td><td>Madzimaela</td></tr> <tr><td>other</td><td>Other</td></tr> </table>	shire	Shire	lisungwe	Lisungwe	makale	Makale	nkalazi	Nkalazi	nkujidi	Nkujidi	midati	Midati	mulanga	Mulanga	madzimaela	Madzimaela	other	Other
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other	Other																			
laundry	Where do you wash your clothes? <i>If more than one method, choose the one you rely on the most.</i>	<table border="1"> <tr><td>shire</td><td>In the Shire River</td></tr> <tr><td>river</td><td>In another river (specify)</td></tr> <tr><td>borehole</td><td>Using a borehole</td></tr> <tr><td>tap</td><td>Using tap water</td></tr> <tr><td>other</td><td>Other (specify)</td></tr> <tr><td>no_cattle</td><td>N/A</td></tr> </table>	shire	In the Shire River	river	In another river (specify)	borehole	Using a borehole	tap	Using tap water	other	Other (specify)	no_cattle	N/A						
shire	In the Shire River																			
river	In another river (specify)																			
borehole	Using a borehole																			
tap	Using tap water																			
other	Other (specify)																			
no_cattle	N/A																			
laundry_otherriver <i>(required)</i>	Which other river do you wash your clothes in? <i>If more than one river, choose the one you rely on the most.</i> <i>Question relevant when: selected( \${laundry} , 'river')</i>	<table border="1"> <tr><td>shire</td><td>Shire</td></tr> <tr><td>lisungwe</td><td>Lisungwe</td></tr> <tr><td>makale</td><td>Makale</td></tr> <tr><td>nkalazi</td><td>Nkalazi</td></tr> <tr><td>nkujidi</td><td>Nkujidi</td></tr> <tr><td>midati</td><td>Midati</td></tr> <tr><td>mulanga</td><td>Mulanga</td></tr> <tr><td>madzimaela</td><td>Madzimaela</td></tr> <tr><td>other</td><td>Other</td></tr> </table>	shire	Shire	lisungwe	Lisungwe	makale	Makale	nkalazi	Nkalazi	nkujidi	Nkujidi	midati	Midati	mulanga	Mulanga	madzimaela	Madzimaela	other	Other
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laundry_other <i>(required)</i>	If other method of washing your clothes, please specify here. <i>Question relevant when: selected( \${laundry} , 'other')</i>																			
dishes <i>(required)</i>	Where do you wash the dishes? <i>If more than one method, choose the one you rely on the most.</i>	<table border="1"> <tr><td>shire</td><td>In the Shire River</td></tr> <tr><td>river</td><td>In another river (specify)</td></tr> <tr><td>borehole</td><td>Using a borehole</td></tr> <tr><td>tap</td><td>Using tap water</td></tr> <tr><td>other</td><td>Other (specify)</td></tr> <tr><td>no_cattle</td><td>N/A</td></tr> </table>	shire	In the Shire River	river	In another river (specify)	borehole	Using a borehole	tap	Using tap water	other	Other (specify)	no_cattle	N/A						
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dishes_other <i>(required)</i>	If other method of washing your dishes, please specify here. <i>Question relevant when: selected( \${dishes} , 'other')</i>																			
bath <i>(required)</i>	Where do you bathe / wash yourself? <i>If more than one method, choose the one you rely on the most.</i>	<table border="1"> <tr><td>shire</td><td>In the Shire River</td></tr> <tr><td>river</td><td>In another river (specify)</td></tr> <tr><td>borehole</td><td>Using a borehole</td></tr> <tr><td>tap</td><td>Using tap water</td></tr> <tr><td>other</td><td>Other (specify)</td></tr> <tr><td>no_cattle</td><td>N/A</td></tr> </table>	shire	In the Shire River	river	In another river (specify)	borehole	Using a borehole	tap	Using tap water	other	Other (specify)	no_cattle	N/A						
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other	Other (specify)																			
no_cattle	N/A																			
bath_otherriver <i>(required)</i>	Which other river do you bathe / wash yourself? <i>If more than one river, choose the one you rely on the most.</i> <i>Question relevant when: selected( \${bath} , 'river')</i>	<table border="1"> <tr><td>shire</td><td>Shire</td></tr> <tr><td>lisungwe</td><td>Lisungwe</td></tr> <tr><td>makale</td><td>Makale</td></tr> <tr><td>nkalazi</td><td>Nkalazi</td></tr> <tr><td>nkujidi</td><td>Nkujidi</td></tr> <tr><td>midati</td><td>Midati</td></tr> <tr><td>mulanga</td><td>Mulanga</td></tr> <tr><td>madzimaela</td><td>Madzimaela</td></tr> <tr><td>other</td><td>Other</td></tr> </table>	shire	Shire	lisungwe	Lisungwe	makale	Makale	nkalazi	Nkalazi	nkujidi	Nkujidi	midati	Midati	mulanga	Mulanga	madzimaela	Madzimaela	other	Other
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other	Other																			
bath_other <i>(required)</i>	If other method of bathing, please specify here. <i>Question relevant when: selected( \${bath} , 'other')</i>																			
riverfishfarmyn <i>(required)</i>	Are you doing fish farming?	<table border="1"> <tr><td>yes</td><td>Yes</td></tr> <tr><td>no</td><td>No</td></tr> <tr><td>idk</td><td>Don't know</td></tr> </table>	yes	Yes	no	No	idk	Don't know												
yes	Yes																			
no	No																			
idk	Don't know																			
riverfishfarmw <i>(required)</i>	If yes, which river? <i>Question relevant when: \${riverfishfarmyn} = 'yes'</i>	<table border="1"> <tr><td>shire</td><td>Shire</td></tr> <tr><td>lisungwe</td><td>Lisungwe</td></tr> </table>	shire	Shire	lisungwe	Lisungwe														
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Field	Question	Answer	
		makale	Makale
		nkalazi	Nkalazi
		nkujidi	Nkujidi
		midati	Midati
		mulanga	Mulanga
		madzimaela	Madzimaela
		other	Other
fishfarmenteaten <i>(required)</i>	If yes, what is the proportion of fish sold vs self-consumed? <i>Indicate in % the proportion of fish self-consumed</i> <i>Question relevant when: \${riverfishfarmyn} = 'yes'</i>	0	None
		25	25%
		50	50%
		75	75% (most)
		100	All
		idk	Don't know
		noanswer	No answer
other_river <i>(required)</i>	If it is in another river, which one is it? <i>Question relevant when: selected( \${water_cattle_river} , 'other' ) or selected( \${riverceremonywher} , 'other' ) or selected( \${laundry_otherriver} , 'other' ) or selected( \${dishes_otherriver} , 'other' ) or selected( \${bath_otherriver} , 'other' ) or selected( \${riverfishfarmw} , 'other' )</i>		
Consented > K. Health			
healthsuff <i>(required)</i>	What are the five most common diseases in this community? <i>Response constrained to: count-selected(.) &lt;= 5</i>	malnutrition	Malnutrition
		sti	Sexually transmitted infections (including HIV)
		diarrhoea	Diarrhoea (all types)
		bilharzia	Bilharzia (or other forms of Schistosomiasis)
		malaria	Malaria
		uri	Upper respiratory infection (colds and flu)
		pneumonia	Pneumonia
		hbp	High blood pressure (hypertension)
		cholera	Cholera
		other	Other (specify)
healthsuffother <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${healthsuff} , 'other' )</i>		
sickchild <i>(required)</i>	When your child was sick the last time, where did you go for medical advice? <i>ENUMERATOR : Only answer if the household has a child. If not, move on to the next question</i>	na	Child was never sick / No child
		health_facility	Health facility (health centre/clinic/hospital)
		health_worker	Community Health Worker/Health Surveillance Assistant (HSA)
		pharmashop	Pharmacy/Shop
		herbal_remedy	I have prepared an herbal remedy
		parents_friends	Parents/friends
		healer	Traditional/religious healer
		nothing	I did not do anything
		other	Other
sickchild_spec <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${sickchild} , 'other' )</i>		
nogohealth <i>(required)</i>	Why did you do nothing? <i>Question relevant when: selected( \${sickchild} , 'nothing' )</i>	access	I cannot access the health facility
		dislike	I do not like the health facility
		afford	I cannot afford the health facility
		pref_healer	I prefer to go to the traditional healer
		pref_self	I prefer to prepare treatment for myself
		not_nec	It was not necessary to go to the health facility
		other	Other (specify)
other_nogohealth <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${nogohealth} , 'other' )</i>		

Field	Question	Answer	
malaria <i>(required)</i>	When was the last time anyone (adult or child) in your household had malaria?	this_week	This week
		last_week	Last week
		2_3_weeks	2-3 weeks ago
		last_month	Last month
		over_1month	More than one month ago
		never	Never had malaria
nets <i>(required)</i>	Does your household have any mosquito nets that can be used while sleeping?	yes	Yes
		no	No
whynonets <i>(required)</i>	Why don't you have or use any mosquito nets? <i>Question relevant when: selected( \${nets} , 'no')</i>	unnecessary	Not necessary
		unavailable	Not available
		dislike	Don't like using them
		expensive	Cannot afford them
		other	Use something else (please specify)
		idk	Don't know
ifothernets <i>(required)</i>	If you use something else instead of mosquito nets, please specify: <i>Question relevant when: selected( \${whynonets} , 'other')</i>		
wherenets <i>(required)</i>	Where did you get these nets from? <i>Question relevant when: selected( \${nets} , 'yes')</i>	healthfacility	Health Facility
		gov	Mass distribution by government
		ngo	Mass distribution by NGO
		self	Self-purchased
		other	Other (specify)
wherenetsother <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${wherenets} , 'other')</i>		
Consented > L. External Shocks			
shock <i>(required)</i>	What external shocks have you experienced in the past two years?	drought	Drought or late rains
		floods	Floods
		cyclone	Cyclone
		agri_pests	Agricultural pests/diseases
		insecurity	Insecurity/violence
		chroncill	Household member chronically ill
		hhm_death	Death of a working household member
		other	Other shock
		none	No shock experienced
shockother <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${shock} , 'other')</i>		
shockh <i>(required)</i>	What did you do when the shock occurred? <i>Question relevant when: not(selected( \${shock} , 'none'))</i>	animals	Sold more animals than usual
		redexpensen1	Reduced expenses on health and education
		redexpensen2	Reduced expenses on agricultural inputs
		loan	Borrowed more money than usual
		noschool	Withdrew children out of school
		femanimals	Sold last female animals
		assets	Sold productive assets
		migrated	Entire household migrated
		allanimals	Sold all animals
		soldland	Sold land
		other	Other
shockresponseother <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${shockh} , 'other')</i>		
Consented > M. Consultations			
consult1 <i>(required)</i>	Do you know about the planned Mpatamanga hydropower dam?	know	Know something
		dont	No knowledge

Field	Question	Answer	
consult2 <i>(required)</i>	If you know something, where did you hear it from? <i>If you know from multiple sources, pick your main source of information.</i> <i>Question relevant when: \${consult1} = 'know'</i>	public_meeting	From a public meeting
		village_head	From the village head
		friend	From a friend
		survey	During a survey
		other	Other (specify)
consult2other <i>(required)</i>	If other, please specify. <i>Question relevant when: \${consult2} = 'other'</i>		
consult3 <i>(required)</i>	If you know something, when did you hear it? <i>Question relevant when: \${consult1} = 'know'</i>	last_month	This / Last month
		this_yr	This year
		last_yr	Last year
		2yrs_ago	2 years ago
consult4 <i>(required)</i>	What day in the week is preferable for public consultation? (up to 2-3 hours each session)	mon	Monday
		tue	Tuesday
		wed	Wednesday
		thu	Thursday
		fri	Friday
		sat	Saturday
		sun	Sunday
		any	Any day
consult5 <i>(required)</i>	What time of day is preferable for public consultation? (up to 2-3 hours each session)	anytime	Anytime
		morning	Morning
		afternoon	Afternoon
		evening	Evening
consult6 <i>(required)</i>	Where do you prefer the public consultation to be held?	lcoffice	LC1 Office
		religiousfac	Religious Facility
		govoffice	Government Office
		village	In the village
		other	Other
consult6other <i>(required)</i>	If other, please specify. <i>Question relevant when: \${consult6} = 'other'</i>		
project_newsletter <i>(required)</i>	Have you received any of the Project's Quarterly Newsletters? <i>Question relevant when: selected( \${gvh} , 'Nam') or selected( \${gvh} , 'Kal') or selected( \${gvh} , 'Fer') or selected( \${gvh} , 'Nsa') or selected( \${gvh} , 'Ngw')</i>	yes	Yes
		no	No
		idk	Don't know
project_meetings <i>(required)</i>	Have you attended any of the Project's monthly meetings? <i>Question relevant when: selected( \${gvh} , 'Nam') or selected( \${gvh} , 'Kal') or selected( \${gvh} , 'Fer') or selected( \${gvh} , 'Nsa') or selected( \${gvh} , 'Ngw')</i>	yes	Yes
		no	No
		idk	Don't know
project_meetings_no <i>(required)</i>	If no, can you tell us why not? <i>Question relevant when: \${project_meetings} = 'no'</i>	too_far	The meeting is too far from the village
		unable	I cannot go where the meetings take place
		unaware	I was not informed of the project monthly meetings
		no_time	I do not have time for these meetings
		no_interest	I am not interested
		other	Other (specify)
project_meetings_no_other <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${project_meetings_no} , 'other')</i>		
project_grm <i>(required)</i>	Do you know how to submit feedback or a complaint about the Project? <i>Question relevant when: selected( \${gvh} , 'Nam') or selected( \${gvh} , 'Kal') or selected( \${gvh} , 'Fer') or selected( \${gvh} , 'Nsa') or selected( \${gvh} , 'Ngw')</i>	yes	Yes
		no	No
		idk	Don't know
project_grm_list <i>(required)</i>	If yes, can you list one of the ways to do so? <i>Question relevant when: \${project_grm} = 'yes'</i>	vgrc	Village Grievance Redress Committee members
		mhpl_clo	MHPL Community Liaison Officers
		grievance_box	Grievances box in the village
		other	Other (specify)
		idk	Do not know
project_grm_list_spec <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${project_grm_list} , 'other')</i>		
project_info <i>(required)</i>	What kind of information would you like to be informed of about the Mpatamanga Hydropower Project?	employment	Employment opportunities for the Project

Field	Question	Answer	
		start	When the Project will start
		impacts	What will be the Project's impacts
		land	Land acquisition and compensation
		river	How the Shire River will change after the Project
		other	Other (specify)
project_info_other <i>(required)</i>	Please specify what other type of information you are interested in about the Mpatamanga project. <i>Question relevant when: \${project_info} = 'other'</i>		
Consented > N. Perception of Potential Project Impacts			
past_impacts <i>(required)</i>	What aspects of your life have already been impacted by the Project?	none	No impact
		influx	Influx of outsiders in the area
		land	Land speculation and land being bought by outsiders
		home	Not able to expand my homestead
		inflation	Land price inflation
		deflation	Land price deflation
		other	Other (specify)
past_impacts_spec <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${past_impacts} , 'other')</i>		
Consented > N. Perception of Potential Project Impacts > Potential impacts			
primapact2_note	Rate the potential impact of the Project on the following aspects of your life:		
primapact2_housing <i>(required)</i>	Housing	positive	Positive impact
		negative	Negative impact
		none	No impact
		idk	Don't know
		noanswer	No answer
primapact2_livcond <i>(required)</i>	Living conditions	positive	Positive impact
		negative	Negative impact
		none	No impact
		idk	Don't know
		noanswer	No answer
primapact2_job <i>(required)</i>	Economic/employment	positive	Positive impact
		negative	Negative impact
		none	No impact
		idk	Don't know
		noanswer	No answer
primapact2_health <i>(required)</i>	Health	positive	Positive impact
		negative	Negative impact
		none	No impact
		idk	Don't know
		noanswer	No answer
primapact2_services <i>(required)</i>	Access to services and facilities	positive	Positive impact
		negative	Negative impact
		none	No impact
		idk	Don't know
		noanswer	No answer
primapact2_livestock <i>(required)</i>	Livestock	positive	Positive impact
		negative	Negative impact
		none	No impact
		idk	Don't know
		noanswer	No answer
primapact2_agricultural_farming <i>(required)</i>	Agricultural / Farming	positive	Positive impact
		negative	Negative impact
		none	No impact
		idk	Don't know
		noanswer	No answer
primapact2_cultural <i>(required)</i>	Cultural activities or ceremonies	positive	Positive impact
		negative	Negative impact
		none	No impact
		idk	Don't know
		noanswer	No answer
primapact2_other <i>(required)</i>	Other	positive	Positive impact

Field	Question	Answer	
		negative	Negative impact
		none	No impact
		idk	Don't know
		noanswer	No answer
primpack2_other_spec <i>(required)</i>	If other, please specify. <i>Question relevant when: selected( \${primpack2_other} , 'positive') or selected( \${primpack2_other} , 'negative')</i>		
Consented > N. Perception of Potential Project Impacts > Physically displaced landowners <i>Group relevant when: \${nhm_category_socioeco} = 'land_owner_phys'</i>			
resettlement_prefs_3villages <i>(required)</i>	Should you have to move, what form of resettlement option would you prefer for relocating your residence? <i>Question relevant when: \${village} = 'Kambalame' or \${village} = 'Chaswanthaka' or \${village} = 'Mpindo'</i>	cash	Cash (at full replacement cost)
		inkind	In-kind (replacement land on the resettlement sites)
resettlement_prefs_othervillages <i>(required)</i>	Should you have to move, what form of resettlement option would you prefer for relocating your residence? <i>Question relevant when: \${village} != 'Kambalame' or \${village} != 'Chaswanthaka' or \${village} != 'Mpindo'</i>	cash	Cash (at full replacement cost)
		inkind_village	In-kind (assisted self-relocation on a plot they choose in the same village)
		inkind_gvh	In-kind (assisted self-relocation on a plot they choose in another village in their GVH)
Consented > N. Perception of Potential Project Impacts > Economically displaced landowners <i>Group relevant when: \${nhm_category_socioeco} = 'tenant_econ' and ( \${village} = 'Chaswanthaka' or \${village} = 'Mpindo')</i>			
resettlement_prefs_2villages <i>(required)</i>	What do you prefer?	cash	Cash (at full replacement cost)
		inkind_village	In-kind (assisted self-relocation on a plot they choose in the same village)
		inkind_gvh	In-kind (assisted self-relocation on a plot they choose in another village in their GVH)
finalcomment <i>(required)</i>	Do you have any comments or questions?  Enumerator, please also add any comment you might have on this household / on the survey. <i>If no comments, please write 'No comment'.</i>		
thanking	Thank you for your time and your participation in this survey.		

# Annexe 3 – Market Survey Report



# Mpatamanga Hydropower Storage Project

## Early Works Phase 2 RAP and Main Works RAP Market Survey Report

Prepared for



Revision D

28 January 2025



# Revision Record

Revision	Date	Prepared by:	Checked by:	Description:
A	13 October 2025	Mabvuto Phula	Vidette Bester	First draft for MHPL review
B	05 January 2025	Mabvuto Phula	C. Repussard	addressing comments from the MoL on the compensation rates
C	09 January 2026	Mabvuto Phula	C. Repussard	Version addressing additional comments from the MoL on the compensation rates
D	28 January 2026	Mabvuto Phula	C. Repussard	Final version, addressing further comments from the MoL on the compensation rates

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# Table of Contents

<b>1</b>	<b>Introduction</b> .....	<b>1</b>
1.1	Project Overview .....	1
1.2	Scope of this Report.....	4
1.3	Bases for Compensation of Project-Affected Assets.....	6
1.3.1	Legal and Regulatory Requirements.....	6
1.3.2	Applicable International Standards.....	6
<b>2</b>	<b>Overview of Market Survey Activities</b> .....	<b>7</b>
2.1	Approach.....	7
2.2	Stakeholders Engaged .....	7
<b>3</b>	<b>Valuation Methodology and Compensation Rates</b> .....	<b>11</b>
3.1	Land .....	11
3.1.1	Context and Categories .....	11
3.1.2	Value Differentiation by Area.....	12
3.1.3	Methodology .....	12
3.1.4	Compensation Rates .....	16
3.2	Structures.....	17
3.2.1	Context and Categories .....	17
3.2.2	Methodology .....	34
3.2.3	Compensation Rates .....	35
3.3	Trees.....	40
3.3.1	Context and Categories .....	40
3.3.2	Methodology .....	41
3.3.3	Compensation Rates .....	43
3.4	Crops.....	45
3.4.1	Context and Categories .....	45
3.4.2	Methodology .....	45
3.4.3	Compensation Rates .....	45
3.5	Loss of Business Revenue.....	46
3.5.1	Context and Categories .....	46
3.5.2	Methodology .....	47
3.5.3	Allowances for Loss of Business Revenue .....	47
3.6	Allowances.....	48
3.6.1	Loss of Employment Revenue.....	48
3.6.2	Disturbance Allowance .....	49
3.6.3	Moving Allowance.....	49
	<b>Annex I - References</b> .....	<b>51</b>
	<b>Annex II – Minutes of Meetings</b> .....	<b>53</b>
	<b>Annex III - Equivalence Between Class and Indigenous Tree Species</b> .....	<b>92</b>



# List of Tables

Table 1: List of the Market Survey Team Meetings and Interviews with Stakeholders .....	8
Table 2: Categories of Land and Value Ranking .....	12
Table 3: Sample of Farm Sales In and Around the Project Area .....	13
Table 4: Derived Unit Values for Agricultural Land Value.....	16
Table 5: Compensation Rates for Land.....	16
Table 6: Compensation Rates for Houses and Commercial Buildings .....	35
Table 7: Compensation Rates for Other Structures.....	36
Table 8: Price of Indigenous Trees for Charcoal Production.....	41
Table 9: Prices of Exotic Trees.....	42
Table 10: Compensation Prices of Trees According to Class (in MKW) .....	42
Table 11: Compensation Rates for Indigenous and Exotic Trees .....	43
Table 12: Compensation Rates for Fruit Trees Seedlings (Market Survey, 2025).....	43
Table 13: Compensation Rates for Productive Fruit Trees (Market Survey, 2025) .....	44
Table 14: Compensation Rates for Annual Crops.....	46
Table 15: Allowances for Loss of Business Revenue for Formal Businesses.....	48
Table 16: Allowances for Loss of Business Revenue for Informal Businesses.....	48
Table 17: Neno District Agriculture Office – Horticultural Crop Estimates, Third Round 2024/2025 .....	55
Table 18: Prices of Building Materials as Sourced from Markets.....	61
Table 19: Prices of Building Materials as Sourced from Markets.....	61
Table 20: Values of Certain Indigenous Trees.....	65
Table 21: Market Survey Fruit Specialist Meeting.....	68
Table 22: Compensation Rates for Structures.....	79
Table 23: Tree Indigenous Species and Class.....	93



# List of Figures

Figure 1: Overview of Project’s Land Requirements.....	3
Figure 2: Early Works phase 2 RAP and Main Works RAP Areas.....	5
Figure 3: Location of Market Survey Meetings, Interviews and Field Observations.....	10
Figure 4: Mud and Wattle Structure.....	17
Figure 5: Sundried Brick, Earth Floor, Grass Thatched House.....	18
Figure 6: Sundried Brick, Earth Floor and Iron Roof House.....	19
Figure 7: Burnt Brick, Earth Floor and Iron Roof House.....	19
Figure 8: Burnt Brick, Cement Floor, Plastered and Iron Roof House.....	20
Figure 9: Burnt Bricks, Cement Floor, Plastered, Corrugated Iron Sheets House.....	20
Figure 10: Burnt Bricks, Cement Floor, Plastered, Painted, Corrugated Iron Sheets House.....	21
Figure 11: Burnt Bricks, Cement Floor, Plastered, Painted House.....	22
Figure 12: Stone Walls with Cement Mortar, Concrete Floor, Corrugated Iron Sheets House.....	22
Figure 13: Sundried Brick with Mud Mortar, Earth Floor, Grass Thatched House.....	23
Figure 14: Burnt Brick, Cement Floor, Plastered and Iron Roof House.....	23
Figure 15: Burnt Brick, Cement Floor, Plastered, Painted and Iron Roof House.....	24
Figure 16: Wooden Poles House.....	25
Figure 17: Sundried Brick with Mud Mortar, Mud Floor, Iron Roof House.....	26
Figure 18: Stone Walls with Mud Mortar, Earth Floor, Grass Thatched House.....	26
Figure 19: Burnt Brick, Earth Floor and Plastic Roof House.....	27
Figure 20: Kitchen.....	28
Figure 21: Latrine.....	28
Figure 22: Kraal.....	29
Figure 23: Chicken House.....	29
Figure 24: Fence.....	30
Figure 25: Bench.....	31
Figure 26: Leisure Shade.....	32
Figure 27: Stove.....	32
Figure 28: Booth.....	33
Figure 29: Signpost.....	34
Figure 30: Meeting with Agriculture Officer at Zalewa Agriculture Office.....	63
Figure 31: Meeting with Forestry and Planning Officers at Neno.....	66
Figure 32 Meeting with a Horticulturist in Mwanza.....	70
Figure 33: Meeting with Charcoal Producers at Feremu in Neno.....	72



# Acronyms

Acronym	Full text
cm	Centimetre
BOOT	Build-Own-Operate-Transfer
DoMM	Department of Museums and Monuments
EDF	Électricité de France
EGENCO	Electricity Generation Company (Malawi) Ltd
ESIA	International Environmental & Social Impact Assessment
ESS	World Bank's Environmental & Social Standards
GoM	Government of Malawi
GVH	Group Village Head
GWh	Gigawatt hour
ha	Hectares
HPP	Hydropower Project
IFC	International Finance Corporation
km	Kilometre
kV	Kilovolt
MHPL	Mpatamanga Hydro Power Limited
MHSP	Mpatamanga Hydropower Storage Project
MW	Megawatts
MWK	Malawian Kwacha
PAP	Project Affected Person
PPP	Public Private Partnership
RAP	Resettlement Action Plan
RBM	Reserve Bank of Malawi
SLR	SLR Consulting
TA	Traditional Authority
TL	Transmission Line
USD	United States Dollar



# 1 Introduction

## 1.1 Project Overview

The proposed Mpatamanga Hydropower Storage Project (MHSP, or the Project) is being developed by Mpatamanga Hydro Project Limited (MHPL) and the Government of Malawi (GoM) under a Public Private Partnership (PPP) framework. The Project is located in the Southern Region within the Blantyre and the Neno districts, on the Shire River, the largest river in Malawi, between the existing Tedzani and Kapichira hydropower schemes. A Main Dam (55 m high) on the Shire River will create a 20.2 km<sup>2</sup> reservoir at full supply level, with a total storage volume of 272 million m<sup>3</sup>. Water from the Main Reservoir will drop by approximately 66 m to a 301 MW powerhouse located 1 km downstream of the Main Dam. The water discharged from the main powerhouse into the Shire River (installed capacity of 550 m<sup>3</sup>/s) will then flow into a 1.35 km<sup>2</sup> and 11.15 million m<sup>3</sup> Regulating Reservoir (at full supply level) created by a 45 m high Regulating Dam located 6 km downstream on the Shire River. Water from the Regulating Reservoir will be discharged into the Shire River through a 57.5 MW powerhouse located at the foot of the dam (installed capacity of 388 m<sup>3</sup>/s). From the upper part of the Main Reservoir to the Regulating Dam, the Project footprint will extend over 29 km of river length.

The Project is expected to contribute to reducing energy shortages and enhancing energy security in Malawi. The 301 MW plant with its Main Reservoir storage is designed to provide much needed energy during peak demand hours of the day and overall grid stability with its ability to ramp up or down production to meet actual demand. The targeted average annual energy production is 1,544 GWh (MHPL, 2023).

The electricity generated by the Project will be delivered to the grid through two transmission lines (TLs): a 63 km long 400 kV TL from the main powerhouse to the existing Phombeya sub-station, and a 10.5 km long 132 kV TL that will connect the Regulating Dam powerhouse to the existing Tedzani-Kapichira TL (Loop-In-Loop-Out).

Part of the S137 road - which links Blantyre to Mwanza - will be flooded by the future Mpatamanga Main Reservoir. A new section of the S137 road will be built by the Project. The future Chileka Mwanza/M6 S137 road will be about 50 km long and out of these, 11.5 km will be newly constructed by the Project to bypass the Main Dam and the reservoir, and about 34.5 km will be upgraded on the Blantyre side.

For the operation phase, a permanent operators' village will be built close to the main powerhouse to accommodate the operators of the two dams. A new 6 km long service road will be built by the Project from the main powerhouse to the Regulating Dam. The workforce will be accommodated in one construction camp during the construction period.

A four-year construction schedule has been estimated for the Project, starting in 2026. The powerhouses' commissioning should take place in 2030. Non-physical works such as geotechnical investigations, are ongoing. Early Works of construction of the camps, laydown areas, access roads are planned to be executed from 2025.

To offset the Project's impact on terrestrial biodiversity, it is envisaged to establish a private conservancy area on the right bank of the Shire River, in Neno District, between the Main Dam and the Regulating Dam.

The Project is to be developed on a build-own-operate-transfer (BOOT) basis by MHPL and the GoM. Mpatamanga Hydropower Storage Project (MHSP, 'the Project') is the Project Company. MHSP will be responsible for constructing and operating the Project for a period of 30 years, after which time it will be transferred to GoM for continued operation and maintenance. An Implementation Agreement, which stipulates the responsibilities of MHSP and GoM, will support the BOOT agreement. The BOOT approach allows GoM to be protected from construction costs and operating risk, while at the same time allowing it to benefit significantly from a 30% share in the Project through EGENCO. The remaining 70% of MHPL is or will be owned by EDF (27.5%),



SCATEC (14%) and its joint venture partners British International Investment (6.75%) and Norfund (6.75%), and the IFC (15%).

Finance will be provided by EDF, Scatec, the IFC, and the Government of Malawi, using funds from the World Bank, as well as debt from development finance institutions, to be coordinated by the IFC.

### Phases of the Project's Land Acquisition

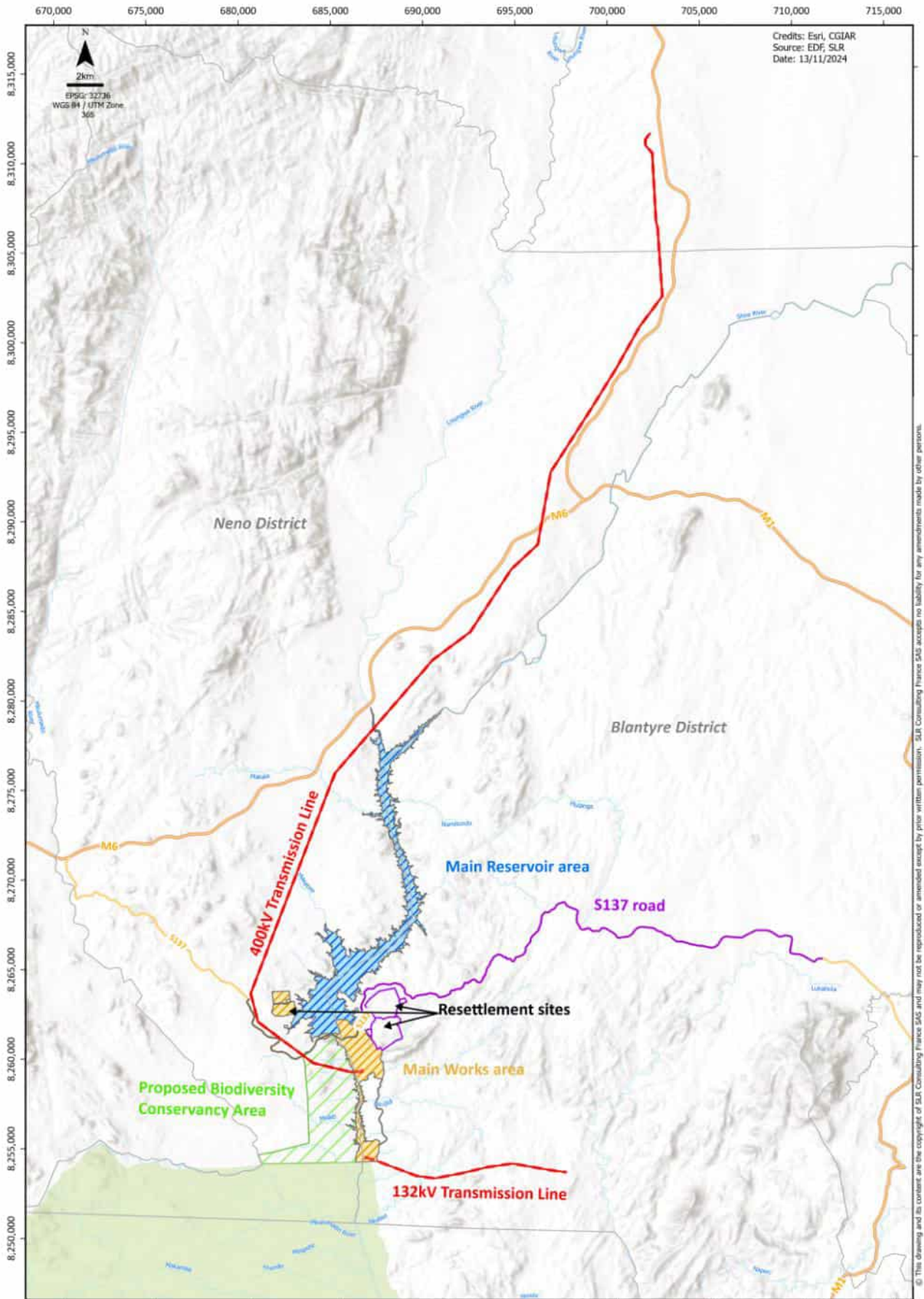
The Mpatamanga HPP land acquisition, compensation, and resettlement process is planned into different phases and aligned with the Project's construction schedule. The Resettlement Action Plans (RAPs) that will be prepared are as follows:

- Early Works Phase 1 RAP for priority areas of the Chaswanthaka and Mpindo resettlement sites, with preparation and implementation in 2025;
- Early Works Phase 2 RAP for the S137 access road refurbishment work in Blantyre District. The RAP was prepared in 2025 and implementation is planned for 2026;
- Main Works RAP: The area covers all project main facilities, construction facilities, and the Regulating Reservoir area. Any area located in the Main Reservoir that is to be used for construction facilities will also be acquired at that time (upstream coffer dam and diversion tunnel works). The Main Works RAP will also include the new sections of the S137 road in Neno District, the area for the Project's conservancy area and the Kambalame Resettlement site. The RAP was prepared in 2025 and implementation is planned for 2026;
- Transmission lines RAP (400kV TL and 132kV TL). Preparation is planned for 2026 and implementation for 2026-2027; and
- Main Reservoir RAP. Preparation is planned for 2026 - 2027 and implementation for 2027-2028.

Figure 1 shows the Project land requirements for each of the phased RAPs.



Figure 1: Overview of Project’s Land Requirements





## 1.2 Scope of this Report

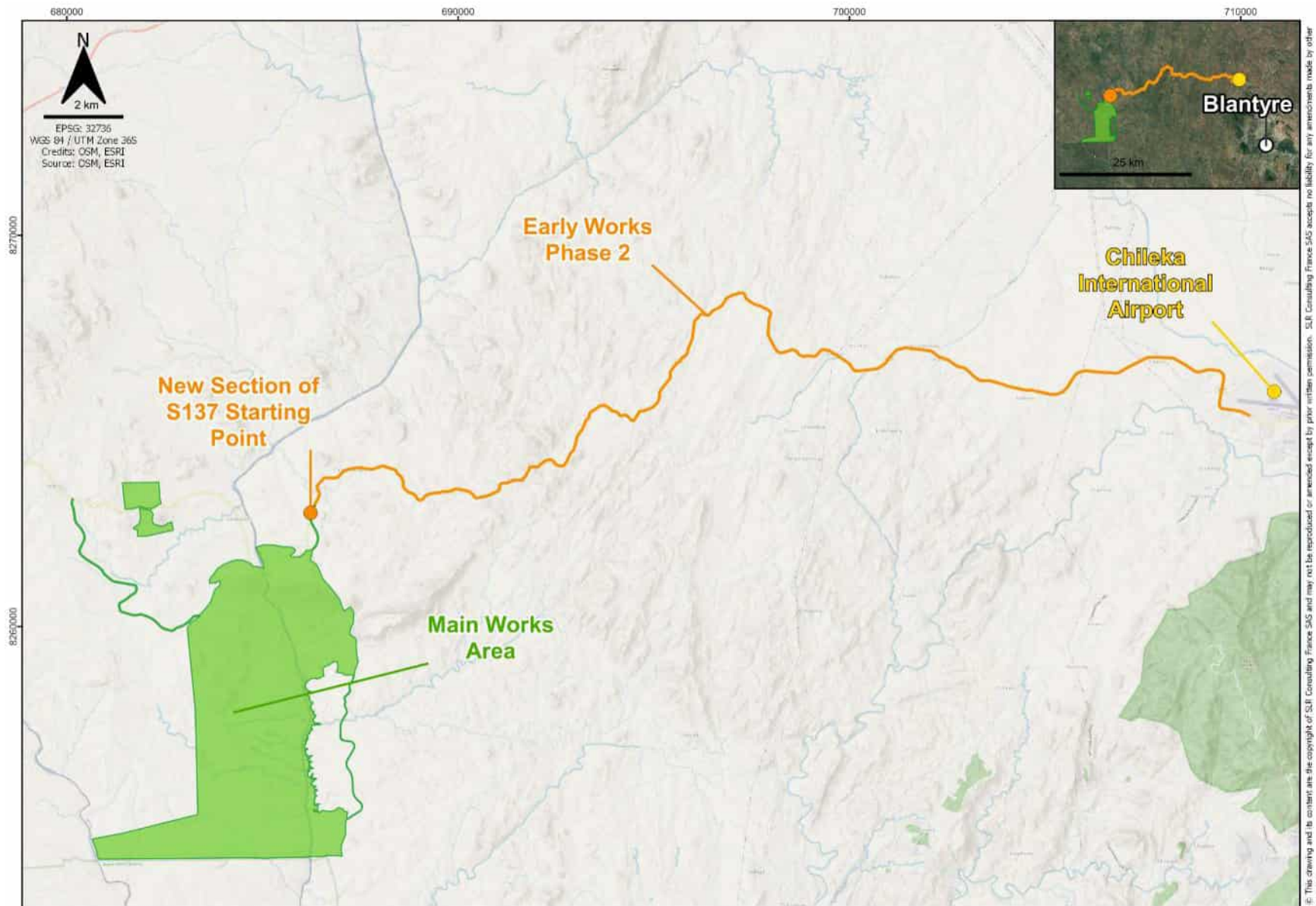
This report presents the market survey results, the valuation methodology and the compensation rates for the Earl Works Phase 2 RAP and the Main Works RAP. The areas covered by these 2 RAPs are illustrated in Figure 2.

This report defines the compensation rates and allowances. It does not cover the in-kind measures to support livelihood restoration, such as the in-kind transitional support provided to affected households. These measures are defined and detailed in the Restoration Action Plans.

This report does not cover the costs of graveyards or lone graves relocations. The Department of Museums and Monuments (DoMM) assesses these costs.



Figure 2: Early Works phase 2 RAP and Main Works RAP Areas





## 1.3 Bases for Compensation of Project-Affected Assets

### 1.3.1 Legal and Regulatory Requirements

The legal and regulatory requirements for the valuation of Project-affected assets to be compensated are summarised below:

- The Constitution of Malawi: Section 28 (1 & 2) of the Constitution of Malawi provides that every person shall be able to acquire property and that, having acquired that property, he shall not be arbitrarily deprived of the same. Further, Section 44 (4) states that expropriation of property shall be permissible only when done for a public utility and only when there has been adequate notification and appropriate compensation, provided that there shall always be a right to appeal to a court of law.
- Land Act: Section 17 allows allocation of land to public utility bodies by the minister responsible. Section 18 provides for compensation to individuals for loss, damages or disturbances caused by the action of the minister in section 17
- Public Roads Act: sections 10, 11,18,22,23, 28,29 and sections 44-51 provide for matters to compensation where land is taken or designated as a road reserve and the assessment of compensation.
- Land Acquisition and Compensation Act (2022): This is an Act that provides for the acquisition of land and compensation, and for matters incidental thereto.

### 1.3.2 Applicable International Standards

The Project also complies with the following international standards related to land acquisition and involuntary resettlement:

- The IFC Performance Standards, notably the IFC Performance Standard 5 (PS5) on Land Acquisition and Involuntary Resettlement (IFC 2012).
- The World Bank Environmental and Social Framework (World Bank 2018), and it is Environmental and Social Standard 5 (ESS5) on Land Acquisition, Restrictions on Land Use and Involuntary Resettlement.
- The African Development Bank's Integrated Safeguard System (African Development Bank 2023), notably the Environmental and Social Operational Safeguard 5 on Land Acquisition, Restrictions on Access to Land and Land Use and Involuntary Resettlement.
- The Equator Principles 4 (EP4) (The Equator Principles 2020).

The World Bank ESS5, IFC PS5 and the AfDB ISS5 are similar in substance, and the Equator Principles refer to the IFC PS5 regarding land acquisition and involuntary resettlement. According to these Lenders standards, *"when land acquisition or restrictions on land use (whether permanent or temporary) cannot be avoided, the Borrower will offer affected persons compensation at replacement cost"*. The World Bank ESS5 (Footnote 6) defines replacement cost for assets as:

*"A method of valuation yielding compensation sufficient to replace assets, plus necessary transaction costs associated with asset replacement. Where functioning markets exist, replacement cost is the market value as established through independent and competent real estate valuation, plus transaction costs. Where functioning markets do not exist, replacement cost may be determined through alternative means, such as calculation of output value for land or productive assets, or the undepreciated value of replacement material and labour for construction of structures or other fixed assets, plus transaction costs. In all instances where physical displacement results in loss of shelter, replacement cost must at least be sufficient to enable purchase or construction of housing that meets acceptable minimum community standards of quality and safety."*

This guidance has been used to arrive at unit values of relevant assets.



## 2 Overview of Market Survey Activities

### 2.1 Approach

The Market survey team was composed of one accredited valuer, a second valuer and surveyor and an agronomist. The market survey was conducted in multiple locations across Blantyre, Zalewa, Neno, Mwanza, districts and trading centres, targeting key market stakeholders, project-affected persons (PAPs), and other interest groups from the 23 June 2025 to the 11 July 2025. The aim was to collect comprehensive market and property data to inform valuation and compensation planning.

The market survey employed a multi-pronged, participatory, and evidence-based approach:

- Stakeholder Engagement – Structured interactions with district officials, PAPs, and business actors ensured that the survey captured official land-use data and community-level realities.
- Field-Based Data Collection – Physical inspections and direct observations of crops, structures, and businesses provided first-hand evidence of economic activities and environmental conditions.
- Socioeconomic Profiling – Targeted interviews and group discussions with PAPs, landowners, and business operators facilitated understanding livelihood dynamics and potential Project impacts.
- Sequential Workplan Execution – The survey was carefully phased, starting from district-level engagements to community visits, and later urban market assessments for a comprehensive market perspective.

The market survey followed a phased schedule, strategically engaging districts and stakeholders. It commenced with a kick-off meeting held in Blantyre. This session reviewed and adjusted the work plan, clarified team roles, and confirmed logistical arrangements. For the remaining days, between 24th June and 11 July, the team visited government offices, trading centres, and communities to engage relevant stakeholders and gather preliminary agricultural and property market data. The list of meetings and formal interviews is given in Table 1. The location of the activities is illustrated in Figure 3.

### 2.2 Stakeholders Engaged

The market survey team successfully engaged a diverse set of stakeholders, ensuring inclusivity and high-quality data collection:

- Government & District Officials for the agriculture, lands and forestry sectors for Blantyre, Neno and Mwanza;
- Local Community and PAPs, which included charcoal producers, landowners at Feremu Clinic and Nkwali CBO in Neno and fruit production officials in Mwanza for agricultural market insights;
- Private Sector & Market Actors:
  - Estate agents in Kanjeza and Chilomoni;
  - Timber, pole, and building material traders; and
  - Small business operators (Airtel Money, food vendors).

This structured approach ensured the survey comprehensively captured land use patterns, economic activities, and stakeholder perspectives, providing a solid evidence base for market analysis, impact assessment, and project planning (for minutes of meetings, see Annexe II).

The market survey was executed according to the planned schedule, covering all target locations and engaging key stakeholders. This systematic approach ensured the collection of



comprehensive, reliable, and geographically representative market data to inform valuation and compensation planning for the Project.

Table 1: List of the Market Survey Team Meetings and Interviews with Stakeholders

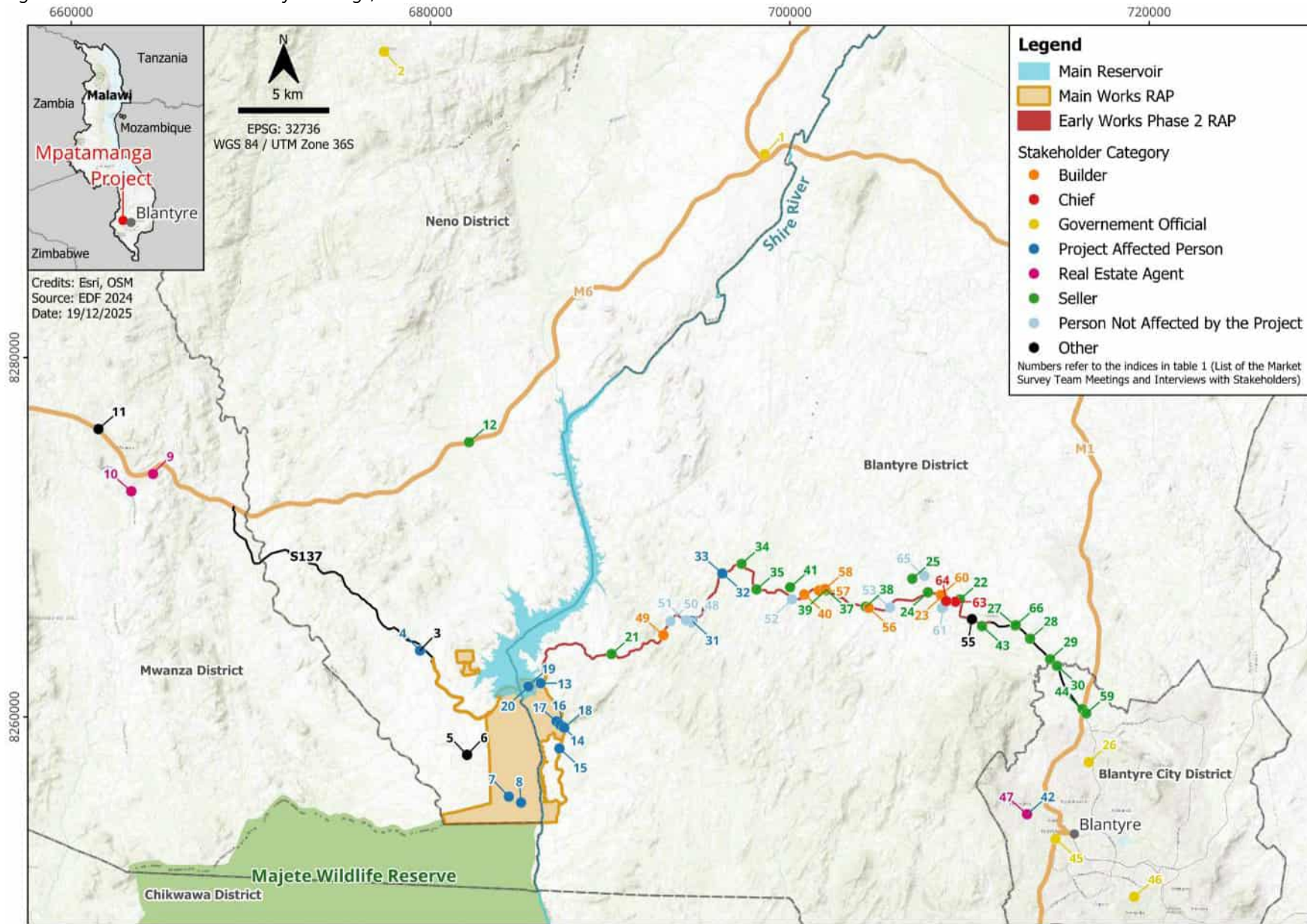
#	District	Stakeholder Category	Attendees	Date
1	Neno	Gouvernement	3	23/06/2025
2	Neno	Gouvernement (Lands and Planning Officer, Forest Officer)	2 (1 male, 1 female)	24/06/2025
3	Neno	Other (charcoal makers)	6 (6 males, 0 females)	25/06/2025
4	Neno	PAP	12 (5 males, 7 females)	25/06/2025
5	Neno	Other (charcoal makers)	5 (5 males, 0 females)	25/06/2025
6	Neno	Other	4 (4 males, 0 females)	25/06/2025
7	Neno	PAP	1	25/06/2025
8	Neno	PAP	1	25/06/2025
9	Neno	Real estate agent	1	10/06/2025
10	Neno	Real estate agent	1	26/06/2025
11	Neno	Other (Fruit Trees Specialist)	1 (1 male)	27/06/2025
12	Neno	Seller	1	27/06/2025
13	Blantyre	PAP	1	30/06/2025
14	Blantyre	PAP	1	30/06/2025
15	Blantyre	PAP	1	30/06/2025
16	Blantyre	PAP	1	30/06/2025
17	Blantyre	PAP	1	30/06/2025
18	Blantyre	PAP	1	30/06/2025
19	Blantyre	PAP	1	30/06/2025
20	Blantyre	PAP	1	30/06/2025
21	Blantyre	Seller	1	30/06/2025
22	Blantyre	Seller	1	01/07/2025
23	Blantyre	Builder	1	01/07/2025
24	Blantyre	Seller	1	01/07/2025
25	Blantyre	Seller	1	01/07/2025
26	Blantyre	Gouvernement	5 (3 males, 2 females)	02/07/2025
27	Blantyre	Seller	1	02/07/2025
28	Blantyre	Seller	1	02/07/2025
29	Blantyre	Seller	1	02/07/2025
30	Blantyre	Seller	1	02/07/2025
31	Blantyre	PAP	1	03/07/2025
32	Blantyre	PAP	1	03/07/2025
33	Blantyre	PAP	1	03/07/2025
34	Blantyre	Seller	1	03/07/2025
35	Blantyre	Seller	1	03/07/2025
37	Blantyre	Seller	1	03/07/2025
38	Blantyre	Seller	1	03/07/2025
39	Blantyre	Seller	1	04/07/2025
40	Blantyre	Builder	1	04/07/2025
41	Blantyre	Seller	1	04/07/2025
42	Blantyre	PAP	1 (1 male, 0 females)	07/07/2025
43	Blantyre	Seller	1	07/07/2025
44	Blantyre	Seller	1	07/07/2025
45	Blantyre	Gouvernement (Principal Valuation Officer)	1 (1 female)	08/07/2025
46	Blantyre	Gouvernement (Forest Plantations Manager)	1 (1 male)	08/07/2025
47	Blantyre	Real estate	1 (1 male)	09/07/2025
48	Blantyre	Unaffected person	1	09/07/2025
49	Blantyre	Builder	1	09/07/2025
50	Blantyre	Unaffected person	1	09/07/2025



#	District	Stakeholder Category	Attendees	Date
51	Blantyre	Unaffected person	1	09/07/2025
52	Blantyre	Unaffected person	1	09/07/2025
53	Blantyre	Unaffected person	1	09/07/2025
55	Blantyre	Other	1	10/07/2025
56	Blantyre	Builder	1	10/07/2025
57	Blantyre	Builder	1	10/07/2025
58	Blantyre	Builder	1	10/07/2025
59	Blantyre	Seller	1	10/07/2025
60	Blantyre	Builder	1	11/07/2025
61	Blantyre	Unaffected person (kraal owner)	1	11/07/2025
62	Blantyre	Unaffected person (kraal owner)	1	11/07/2025
63	Blantyre	Chief	1	11/07/2025
64	Blantyre	Chief	1	11/07/2025
65	Blantyre	Unaffected person	1	11/07/2025
66	Blantyre	Seller	1	11/07/2025



Figure 3: Location of Market Survey Meetings, Interviews and Field Observations



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# 3 Valuation Methodology and Compensation Rates

## 3.1 Land

### 3.1.1 Context and Categories

The Land Act, 2016 of Malawi (which repealed the 1965 Land Act) classifies all land in the country into three main categories:

- Public Land is land held in trust for the people of Malawi by the Government and used for public purposes. Examples include roads, schools, hospitals, national parks, public forests, government offices and other state-owned facilities. This land cannot be privately owned; it must be managed for the benefit of the general public;
- Private Land is land that is owned, held, or occupied under freehold, leasehold, or certificate of claim, including customary estates that have been registered. Examples include registered freehold farms and leasehold plots in urban areas. Customary estates are allocated to individuals or entities. Rights are held by private individuals, entities, or institutions; subject to land laws and conditions of title; and
- Customary Land is land held or occupied by people under customary law. This is the land under the jurisdiction of Traditional Authorities (TAs) but now regulated by the Act. Examples are village farmland and communal grazing areas. Under the 2016 Act, customary land can be registered as a Customary Estate for secure tenure.

The Act also introduced Customary Estates as a formal tenure within customary land — these can be leased, inherited, or mortgaged once registered, which was not possible under the old system.

The most predominant land category in the Project area is the customary system. Private land (freehold and leasehold) is rare in the Project area. Amongst the landowners whose lands are affected by the Project, a few started the leasing process but did not finish it. This is for instance the case of a ranch owner on the banks of the Shire River.

At the time of the market survey, the customary land under TA Kunthembe was undergoing adjudication, but this process was yet to be completed. This adjudication system will result in the creation of customary estates and issuance of 25,000 customary land certificates, a form of land's freehold status. This will enhance security through formal registration.

For the existing sections of the S137 road which will be upgraded in Blantyre District, the Ministry of Transport and Public Works already owns the road and the land of the existing road reserve (18 m from each side of the centre of the road). To upgrade these existing sections, the Project land requirements will be limited to the areas needed for the road upgrade. This includes the road platform itself, the road banks and drainage channels along the road. Along the sections of the S137 road to be upgraded, local villagers are using the land in an 18 m width constituting the road reserve on both sides of the road's central alignment. As per the Public Roads Act (2017 Amendment), compensation is due for damages caused to land and surface rights on parcels occupied in the road reserve for road works. No compensation is due for the land in the existing road reserve. Therefore, the Project will not compensate the land in the existing section of the S137 road in Blantyre District. This was explained to the local communities during the public disclosure of the Project 2024 ESIA and RPF. It was also re-explained during the RAP surveys.



### 3.1.2 Value Differentiation by Area

Through on-site observations and stakeholder interviews, the land value varies significantly and is influenced by location, resource access and soil condition. During the survey, the following variations were noted:

- Riverbank lands (e.g., immediately adjacent to Shire River) are lands with high agricultural value, due to irrigation potential and nutrient-rich soil. Ranch or agro-business preferably use these lands.
- Upland areas have a lower productivity, due to minimal water access and the soils quality (rocky, elevated, or dry lands in upland escarpment, away from Shire). The agricultural activities are cropping-dependent but generally limited by seasonal rain-fed cultivation

Thus, within the customary land tenure, two main land categories should be considered for compensation, as indicated in Table 2 below. The first category is the lands on the riverbanks, defined as the lands immediately adjacent to the river and with a direct access to the Shire River. These lands have the highest value due to their high potential for productivity. The second main category is the upland areas, with a lower productivity.

As stated above, World Bank ESS5 requires the acquisition or restriction of land use (permanent or temporary) to be compensated at replacement cost. The full replacement cost for land is based on the land productivity method (as explained in Section 3.1.3 hereafter). According to the discussion with the Agriculture Department of the Neno District, it can be estimated that the lands on the riverbanks are 25% more productive than the lands in the upland areas. The land value of the upland areas is considered to be 75% of the land value for the Shire riverbanks.

As each of these two categories may be cultivated or left virgin and undeveloped, the valuation has considered the risks associated with such parcels to determine the value of uncultivated lands in both categories. Considering that at the time of acquisition, the uncultivated land may need more inputs to bring it to the condition of the cultivated land, an estimate of 50% of the value of cultivated land has been assigned as the value of uncultivated land.

Table 2: Categories of Land and Value Ranking

Tenure category	Main category Zone/Location	Sub-category Cultivation status	Value Ranking and Compensation Recommendation
Customary land	Shire Riverbanks	Cultivated	Highest value - Compensation at maximum productive value of cultivated land (see next section)
	Upland Areas	Cultivated	High value – 75 % of the highest value
	Shire Riverbanks	Uncultivated	Compensation at 50% of the cultivated area along the Shire Riverbanks (highest value)
	Upland Areas	Uncultivated	Compensation at half the rate of cultivated upland areas
Private land	No case recorded for the early works phase 2 RAP or the main works RAP.		

### 3.1.3 Methodology

#### 3.1.3.1 Residential Land

In rural settings in Malawi, as in the Project area, there is no zoning specifically for residential properties. Generally, land is for agriculture, and the owner decides where to construct his/her house. The dominant feature is agriculture in the Project area. As such, the value of residential land is considered to be the same as the value of agricultural land.



### 3.1.3.2 Agricultural Land

Two primary methods have been employed to determine the full replacement value of land: the comparable sales method and the land productivity/income approach.

#### A Comparable sales approach

The comparable sales approach is the most common land valuation method. It relies on market information/ local transactions to value the land. The underlying concept is that a recent sale from a willing seller to a willing buyer of a property (the comparable property) can best reflect the value of a similar property (the subject property) in the vicinity. This method models the behaviour of the market by comparing the subject property under valuation with similar properties that have recently sold or for which offers to purchase have been made. It assumes that a rational and prudent buyer will not pay more for the comparable property, while a seller in the same situation will not accept less for the same property. The sales price finally reached reflects the equilibrium of supply and demand for land in a given market. Therefore, if the subject property under valuation were offered for sale in the same market about the same time, the transaction would be completed at approximately the same price.

Based on the market survey, land values per hectare varied significantly from one place to another, even within the same locality (see a summary of the market survey results in Table 3).

Table 3: Sample of Farm Sales In and Around the Project Area

Location	Lowest price for 1 hectare of land (MWK)	Highest price for 1 hectare of land (MWK)
Chikuli	450,000.00	70,000,000.00
Kaliati	864,850.00	1,111,950.00
Mpatamanga	650,000.00	1,350,000.00
Inosi	600,000.00	1,037,000.00
Chaswanthaka	550,000.00	741,315
Mpindo	280,000.00	1,111,950.00

The prices of farms observed during the market survey show inconsistency in the unit value of land. For example, in Group Village Head (GVH) Kaliati, 40 ha of land were sold at MWK 450,000 per ha, while 8 ha were sold at MWK 1,111,950 per ha. Around the same time, 60 ha were sold at MWK 1,037,820 per ha. The variation is very significant in Mpindo Village under the same GVH Kaliati where 76 ha were sold at MWK 280,000 and another 81 ha were sold at MWK 1,111,950 per ha (see minutes of meetings with a real estate agent in Annex II). Similar inconsistencies are observed in the unit values for land along riverbanks where irrigation can be done. Equally, 2.43 ha was sold at a unit value of MWK 4,942,000 and another 20 ha at MWK 1,359,050. One thing observed, however, is that land values along the Shire River were generally higher than those of similar land in the upland.

The above inconsistencies could be due to a lack of knowledge regarding the land market of the informants in their own areas, and therefore a lack of technical aid in sales by the local sellers. As a result of lack of technical knowledge of the land market, owners make uninformed decisions regarding land prices. These inconsistencies render the prices unreliable.

Market Value is defined as the estimated amount for which an asset or liability should exchange on the valuation date between a willing buyer and a willing seller in an arm's length transaction, after proper marketing and where the parties had each acted knowledgeably, prudently and without compulsion (IVS 102, 2025). This definition requires that participants act knowledgeably and without compulsion in the sale transactions. The sales evidence presented above casts doubt on whether the participants worked with full knowledge. ***On such a basis, the comparable method cannot be relied upon to help determine the market value of the land in the Project area.***



## **B Income/Land Productivity Method**

As an alternative to the comparative sales approach, the land productivity method is typically used when markets are relatively inactive. This method focuses on the productive value of land. It assumes that the value of farmland is directly linked to the income generated from the sale of crops produced on the target land. As this rate is linked to the land's productive capacity, it is not subject to any speculative development or abuse of land prices over time. The productive value of land is examined using appropriate agro-economic techniques. This typically works with examining the types of crops prevalent, yields, cost of inputs, and market returns on products. The average crop production yields of the major local crops must be determined using the estimated yields provided by the Department of Agriculture and then validated with local farmers. In this work, local market rates have been determined from market studies in the area. With this method, the capital or rental value of the land is related to the receipts and expenditure incurred and/or profit that can be made from occupying it for business purposes.

### *Estimation of net revenue for agricultural land*

During the market survey, current prices of goods were collected (see Annexe II). It was observed and reported that the main crop being grown in the Project area is maize. Other crops include pigeon peas, groundnuts, cassava, and legumes. These are grown in uplands and are rainfed. Irrigation can be done along the Shire River. But in the Project area, irrigation using pumps is very rarely practiced on the riverbanks (no case was recorded during the surveys). However, the riverbanks provide easier access to water the better soils quality. Apart from the maize, beans, and sweet potatoes, the riverbanks are used for vegetable growing. The vegetables include onions, tomatoes, cabbage, cucumber, okra, and sugarcane. Intercropping is common among many subsistence farmers in the area, mostly using maize as the dominant crop, with pigeon peas widely used as the associated crop.

The dominant crops in the area have been considered to determine the land value. Maize and pigeon peas have been selected, respectively as the main dominant crop and the secondary crop associated. The cost of production and the crop yields data used are as collected by the Neno District Agriculture Office and from other experts (see Annex 2). The cost of production is a summation of the costs of activities for each crop for a growing season.

The typical upper quintile yields of maize and other crops have been adopted from the Ministry of Agriculture's 2024 Third Round Agriculture Production Estimation Survey (APES) Report. At the time of the survey, the 2025 report was not yet released. However, the area has not experienced a huge variation in climatic factors between 2024 and 2025 growing seasons. As such, the yields have been accepted as they were. The costs of production, however, have changed due to price volatility in inputs. These are reflected in the high cost of production.

The market prices for the yields used in this report have been obtained from the markets in the Project area. These markets include Chikuli, Kaliati in TA Kunthembe in Blantyre; Chifunga in Neno and in Mwanza, as it is within the sphere of influence of the Project. Various prices for each crop, as far as possible, were obtained from different markets and the highest prices have been used in this report (for the prices of each crop as obtained from the markets, see Annexe II). Price for maize at the time of survey was MWK 1,200 per kg, as the highest. However, in the 2024/2025 season, the maize price ever reached MWK 2,100 and this has been used in the calculation as the highest price. There was no difference between the prices of the rainfed crops and the irrigated ones at the time of the survey.

The method requires unit yields, unit prices, and cost of production to determine the land value. It involves obtaining a product of crop yield and prices, and a determination of profit/net revenue. The process also requires an assumption of a hypothetical land renter who invests in the land to produce this net profit. This ensures that what is valued is the land and not the actual business. When the land renter produces his yields, he rents the land to the farm owner to use his land. It is this "rent" that is the income to the owner that has to be capitalised to obtain the capital value of the land.

As no operator will run a business without expecting some return or reward for their efforts, the land renter also expects a reward for his or her effort. This reward or tenant's share is, broadly, the



amount which the tenant will require out of the business to induce them to take the tenancy at the rent as evidenced by the valuation, bearing in mind the capital needed to operate the business and the risk to that capital' (VOA 2006: 16.1). According to Blackledge (2016), this reward is sometimes taken to be a proportion of the net revenue (50%) or may vary depending on agreement. The remainder is the rent that goes to the owner.

#### *Capitalisation rate for the agricultural land or multiplier*

A year's purchase is determined from a capitalisation rate for the asset. The capitalisation rate normally includes both a discount rate and a recapture rate. The discount rate represents the present worth of all future incomes produced by the subject property. The recapture rate represents the annual amount needed to provide a return on the investment over the period the investment is held. If income from a land investment is forecast to be level in perpetuity, or level income is forecast, and little change is expected in the capital value of the income-producing land, then the recapture portion may not be necessary. In such cases, the capitalisation rate is the same as the discount rate.

There are two methods to derive a discount rate: direct capitalisation and yield capitalisation. In direct capitalisation, the assessor analyses the relationship between current year income and the comparable property's sale price to create an overall capitalisation rate. In yield capitalisation, however, the assessor must consider many factors (such as degree of risk and the nature of the income stream) to develop an appropriate discount rate.

Compounding interest is often used to derive the present value of future incomes from an income-generating property. Compound interest functions are based on the time value of money: an amount of money receivable or anticipated as income in the future is always worth less than an equal amount in hand now. Conceptually, it is the same process as land valuation under this approach. Therefore, when using the yield capitalisation method, the current lending interest rate is often applied as the discount rate for estimating the present worth of all future income streams to be generated by the land.

Therefore, the current bank lending rate of 26% has been applied to the equation to arrive at the unit values for land (see Table 4).

Table 4 below shows the maximum productive value of land using the methodology explained above, when maize is cultivated in association with pigeon peas as a secondary crop.



Table 4: Derived Unit Values for Agricultural Land Value

		Maize	Pigeon Pea	Total	
a	Annual Yield (kg per ha)	2,500.00	1,500.00	n/a	
b	Price (MWK per kg)	2,100.00	2,340.00		
c (= a x b)	Gross Revenue (MWK)	5,250,000.00	3,510,000.00		
d	Production cost (MWK)	2,470,000.00	1,327,500.00		
e (= c – d)	Net revenue (MWK)	2,780,000.00	2,182,500.00		
f	Land rent (MWK)	1,390,000.00	1,091,250.00		
g	Yield (bank lending rate)	26%	26%		
h (= 1/g)	Years purchase (multiplier)	3.85	3.85		
i (= (e-f) x h)	Value/ha	5,346,153.85	4,197,115.38		
j	Weights	75% (as maize is the main crop)	25% (as pigeon peas is the secondary crop)	100% (main crop + secondary crop)	Rounding off
k (= i x j)	Weighted productive land value (MWK per ha)	4,009,615.38	1,049,278.85	5,058,894.23	5,100,000

### 3.1.4 Compensation Rates

Based on the methodology explained above and the results of the market survey, the compensation rates for land are given in Table 5 below.

Table 5: Compensation Rates for Land

Tenure category	Main category Zone/Location	Sub-category Cultivation status	Value Ranking and Compensation Recommendation	Compensation rate per ha	
				MWK	USD
Customary land	Shire Riverbanks	Cultivated	Highest value - Compensation at maximum productive value of cultivated land	5,100,000	2,940
	Upland Areas	Cultivated	High value – 75 % of the highest value	3,825,000	2,205
	Shire Riverbanks	Uncultivated	Compensation at 50% of the cultivated area along the Shire Riverbanks (highest value)	2,550,000	1,470
	Upland Areas	Uncultivated	Compensation at half the rate of cultivated upland areas	1,912,500	1,100
Private land	Non applicable, as no case was recorded for the early works phase 2 RAP or the main works RAP.				

1USD=MWK1,734. (RBM, 25/9/25)



## 3.2 Structures

### 3.2.1 Context and Categories

The Project site is in a rural setting with traditional types of structures either for habitation or livestock rearing. The people in the area lead a rural life with basic rural materials for construction. Those who manage to construct better structures have always to source them from markets situated usually a distance from them, like Chikuli in Blantyre side or urban centres like Mwanza, and Blantyre City itself.

#### 3.2.1.1 Types of Structures

The market Survey team identified a variety of structures in the area. These have been grouped into four-dwelling houses, secondary structures (used to serve the dwelling house), livestock structures and business structures. This categorisation is based on use. Each group is further categorised based on the materials used and finishing. The following are the types:

##### A Houses and Ancillary Structures

###### *H1 Mud and wattle - poles - thatched*

Mud and wattle structure is constructed from locally found materials comprising grass, mud, small poles or bamboos and tying ropes. These are usually sourced from the bushes around the area. People transport the materials themselves and provide their own labour in constructing them in most cases. They are usually windowless, and doors are traditionally of grass.

Figure 4: Mud and Wattle Structure





### *H2 Sundried bricks - earth floor - grass thatched*

These structures are characterised by the use of sun-dried bricks bonded with mud. They have an earth floor and are roofed with grass. They are usually one-bedroomed with a sitting room. The roof is covered thin plastic papers to contain the rain when it falls. Both small and big poles are used in the roof as trusses. The bricks are moulded from wet soil with wooden moulds. Then these are dried in the sun. The walls are not plastered quite often and are neither painted. The floor is made of earth, usually smeared with mud. These houses can be window-glazed in wooden frames. The doors are also wooden.

Figure 5: Sundried Brick, Earth Floor, Grass Thatched House



### *H3 Sundried bricks - earth floor - corrugated iron sheets*

Unlike the type 2 structure, while made of sundried bricks, and having an earth floor, this type has corrugated iron sheets for its roofing materials. As such, materials include nails and roofing wire. The walls can be plastered with mud or not. Roofing materials are obtained from shops say at Chikuli, Mwanza , Kameza or Blantyre.



Figure 6: Sundried Brick, Earth Floor and Iron Roof House

*H5 Burnt bricks - earth floor - corrugated iron sheets*

This type of structure differs from type 4 in that it has both burnt bricks and corrugated iron sheets as building materials. The roofs have open ceilings. The bricks are bonded with mud. But they can also be bonded with cement at times. Like iron sheets, cement is purchased from major trading centres like Chikuli, Mwanza and Kameza. Labour is sourced within the Project area.

Figure 7: Burnt Brick, Earth Floor and Iron Roof House

*H7 Burnt bricks - cement floor - plastered inside - corrugated iron sheets*

This type of structure is plastered inside while carrying the characteristics of the previous type. This type requires sand and additional labour. All these materials are sourced from the surrounding trading centres. Sometimes, this structure may be plastered and painted inside and outside. Each addition increases labour costs and cost of materials, resulting in a larger cost of construction.



Figure 8: Burnt Brick, Cement Floor, Plastered and Iron Roof House



*H8 Burnt bricks - cement floor - plastered inside and outside - corrugated iron sheets*

This structure has walls made of burnt bricks, a cement screed floor, and both inside and outside walls plastered for a smooth finish. Windows are glazed in wooden frames. Roofing is corrugated iron sheets.

Figure 9: Burnt Bricks, Cement Floor, Plastered, Corrugated Iron Sheets House





*H9 Burnt bricks - cement floor - plastered inside and outside - painted - corrugated iron sheets*

This type includes burnt brick walls, a cement floor, and plastering inside and outside. The walls are painted for aesthetics and protection. Windows are glazed in wooden frames, and the roof is corrugated iron sheets. Additional materials like paint and plaster increase labour and material costs.

Figure 10: Burnt Bricks, Cement Floor, Plastered, Painted, Corrugated Iron Sheets House



*H10 Burnt bricks - cement floor - plastered inside and outside - painted - no roofing*

This structure has burnt brick walls, a cement screed floor, and plastered walls inside and outside. The walls are painted, but the roof is not installed.



Figure 11: Burnt Bricks, Cement Floor, Plastered, Painted House



*H11 Stone walls bonded with cement mortar - concrete floor - corrugated iron sheets*

Walls are made of stones bonded with cement mortar and pointed for strength. Windows are raised metallic casements with burglar bars, and the door is wooden with a steel frame. The floor is concrete, and the roof is corrugated iron sheets resting on sawn timber.

Figure 12: Stone Walls with Cement Mortar, Concrete Floor, Corrugated Iron Sheets House



*H12 Sundried bricks bonded with mud mortar - earth floor - grass thatched roof*

Walls are sundried bricks bonded with mud mortar. The floor is earth, and the roof is grass thatched. Windows are hollowed in the walls, and doors are wooden, fitted in wooden frames. Materials like grass, mud, and poles are locally sourced.



Figure 13: Sundried Brick with Mud Mortar, Earth Floor, Grass Thatched House



*H13 Burnt bricks - cement floor - plastered inside - corrugated iron sheets*

Walls are burnt bricks, pointed outside and plastered inside. Windows are glazed in wooden frames. The floor is cement screed, and the roof is corrugated iron sheets. Bricks are burnt locally, while cement and iron sheets are purchased from trading centres. Labour and transportation are sourced from the community.

Figure 14: Burnt Brick, Cement Floor, Plastered and Iron Roof House





*H14 Burnt bricks - cement floor - plastered and painted - corrugated iron sheets with plywood ceiling*

Walls are plastered and painted inside and outside. Windows are glazed, and the roof is corrugated iron sheets with a plywood ceiling for insulation. Solar panels are installed for electricity. This type requires more materials and skilled labour, making it one of the most expensive rural house types.

Figure 15: Burnt Brick, Cement Floor, Plastered, Painted and Iron Roof House



*H15 Poles*

This type consists only of poles, typically forming a basic frame without permanent walls, roofing, or flooring. Poles are sourced from nearby trees, and construction is simple, requiring minimal labour.



Figure 16: Wooden Poles House



*H16 Sundried bricks bonded with mud mortar - mud floor - corrugated iron sheets*

Walls are sundried bricks bonded with mud mortar and plastered with mud. The floor is mud, and the roof is corrugated iron sheets supported by poles. Roofing materials like iron sheets are purchased, while bricks are locally sourced.



Figure 17: Sundried Brick with Mud Mortar, Mud Floor, Iron Roof House



*H17 Stone walls bonded with mud mortar - earth floor - grass thatched roof*

Walls are made of stones bonded with mud mortar. The floor is earth, the roof is grass thatched, and the door is made of grass. Stones and grass are locally available, and construction is usually done by household labour.

Figure 18: Stone Walls with Mud Mortar, Earth Floor, Grass Thatched House





*H18 Burnt bricks - earth floor - plastic paper roof*

Walls are burnt bricks, the floor is earth, and the roof is made of plastic paper supported by wooden poles. This type is often temporary, seen during transitional phases when resources for iron sheets or grass are unavailable.

Figure 19: Burnt Brick, Earth Floor and Plastic Roof House



*Kitchen*

Rural kitchens are of mud and wattle, or grass-walled, or sundried bricks. Seldom are they made of burnt bricks. Local materials (grass, poles) are used. Local labour is used. Some of the materials may need transportation.



Figure 20: Kitchen



*Latrine*

The pit latrines in this area are covered with poles and earth is used as a slab. The walls are usually of grass and poles and roofed with grass. Few are of mud and wattle. Others are roofed with iron sheets. Most of these materials are sourced locally.

Figure 21: Latrine





*Kraal*

These are pens for animals and are usually constructed of poles and wires.

Figure 22: Kraal



*Chicken house*

At times, they are made of poles and reeds. The materials and labour are sourced locally.

Figure 23: Chicken House



*Pigsty*

This is usually made of bricks, poles and grass thatch. It is of short height. Materials are sourced locally and labour is from the community. It is used for pig keeping.

*Pigeonry*

This is usually made of interwoven bamboos. The bamboos are sourced locally, and labour is provided locally as well.



### *Fence*

These are built of pole and grass. In rare circumstances, they are of bricks that are sourced locally.

Figure 24: Fence



## **B Other Structures**

### *Foundations/Window level/Gable level*

Foundations may be of different constructions and depth. Some may be of rocks; double brick layers bonded with cement or mud, varying with the type of structure intended to be constructed. Because of the level, of construction, each level implies additional materials, expertise and therefore cost.

### *Bench*

Benches come in different shapes and sizes. Some are constructed of bricks- sundried or burnt bonded with cement or mud. Some are made of timbers. They are used for selling vegetable and other produce. Sometimes they are used for selling animal meat. They usually have open walls and may be roofed with grass or iron sheets.



Figure 25: Bench



#### *Commercial building*

Commercial buildings, such as shops, beer halls, restaurants, and others, were constructed for trade purposes. These are usually along the roads or at trading centres. They may look like dwelling houses, but the finishing differs from that of a house. The materials may be permanent or temporary in nature.

#### *Leisure shade*

These are constructed of poles and a roof, usually with an earth floor. The walls may be open or half open, constructed of bricks, poles, or grass. The roof may be of iron sheets or grass.



Figure 26: Leisure Shade



Stove

The stoves are built like kilns. They are used for frying potatoes and animal meat. They are constructed of bricks, burnt or sun-dried. It can be bonded with cement or mud. A shed can be erected over it at times.

Figure 27: Stove





### Booth (Airtel & TNM)

These, too, come in different forms. Some comprise an umbrella and a table, while others are well-constructed of plywood for walls and corrugated iron sheets. Materials as well as labour are sourced from Blantyre. These structures are used to sell scratch cards for phone credits and send and receive money using mobile means.

Figure 28: Booth

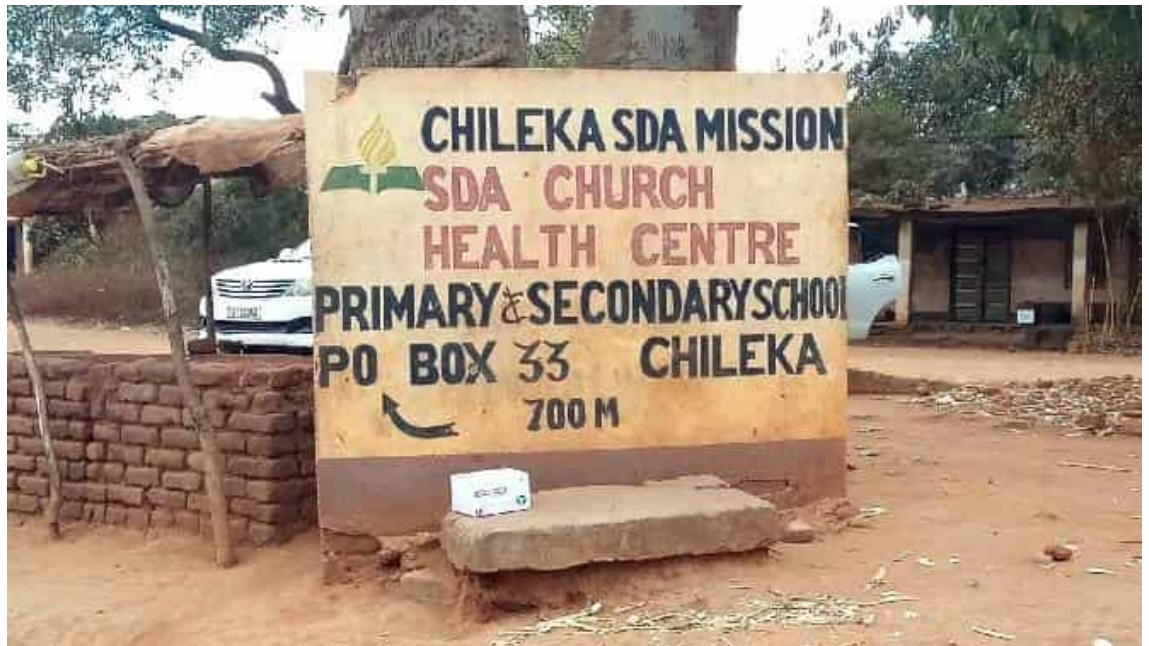


### Signpost

These are made of bricks bonded with mud or cement. They are plastered and sometimes painted.



Figure 29: Signpost



### 3.2.2 Methodology

There are three approaches to the valuation of structures: (i) comparable sales/market, (ii) income, and (iii) cost. Comparable approaches to valuation require market evidence of sales of structures in the area which at the time of survey were almost non-existent. Thus, this method is ruled out. The income approach also requires market inputs like rents and yield, which are also non-existent in the area of impact. To determine the full replacement costs of the structures. The cost method requires that the unit cost of construction and the size of the structures be established to determine the cost of a modern equivalent or subject asset. The unit cost and the size of the building determine the cost of the structure. This is depreciated to reflect the condition of the asset.

The World Bank ESS5 requires that affected structures be compensated on full replacement cost basis. It requires that the cost of the structure be undepreciated and transaction costs be added to it to achieve a full replacement cost. The transaction costs include administrative charges, registration or title fees, reasonable moving expenses, and any similar costs imposed on affected persons.

To achieve a full replacement cost of the affected structures, the market survey first, established the type of structures common in the Project area. They were classified as dwelling houses and commercial buildings. The residential classes were further classified into minor types based on use and construction materials. These classes ranged from Mud and Wattle structures to a burnt brick cement screed and corrugated iron sheet roofed, plastered and painted with windows glazed. A subcategory of the residential properties was developed based on the use of ancillary structures. These were bathrooms, pit latrines and kitchens. Another class was for livestock rearing. The commercial buildings were further classified based on construction materials. Other structures included leisure shades, stoves, booths (Airtel and TNM) and signposts.

Secondly, during the market survey, prices for materials, labour, and transportation were obtained through primary data collection means. The data collection involved interviews with local suppliers, contractors and real estate agents. On-site visits to construction areas were done to observe market conditions. Material prices were gathered from local suppliers and hardware stores, focusing on commonly used construction materials such as cement, bricks, steel, timber, and finishing materials. Prices were recorded as of the latest available month to ensure current market relevance.



Labor rates were obtained through discussions with local contractors operating within the area. Rates were categorised based on skill level and type of work (e.g. skilled trades, general labour). Similarly, transportation expenses were vehicle rental rates and delivery charges obtained from transportation service providers. These costs were adjusted for distance and volume of materials transported within the Project area.

The collection of prices, quantities of materials, labour and transportation costs was done based on a hypothetical size of a structure. The cost of labour and transportation was added to the product of prices and quantities. This sum was divided by the hypothetical size of the building based on type. To this was added 10% of the replacement cost for unforeseeable costs. While this dividend represents the cost of replacing the hypothetical structure, to achieve a full replacement cost of this structure, moving expenses have been determined and will be added to cater for the transaction costs category.

Having considered the material prices, the quantities of materials, labour and transportation costs per type of building /structure, the World Bank ESS5 requirement and conditions prevailing in the Project area, the rates of compensation for the types of structures as listed now are as in Table 6.

### 3.2.3 Compensation Rates

Table 6: Compensation Rates for Houses and Commercial Buildings

Structure Category	Code	Description	Price per size (m or m <sup>2</sup> ) (MWK)	Price per size (USD <sup>1</sup> )
Houses	H15	Poles	15,939	9
	H1	Walls: mud and wattle-composed of poles, Thatched roof	34,637	20
	H18	Burnt brick, earth floor, wooden poles and plastic paper roof	83,000	48
	H12	Grass thatched roof, sundried bricks bonded with mud mortar, hallowed wall windows, wooden doors fitted in wooden frames, earth floor	88,000	51
	H2	Walls: sundried bricks – earth floor – windows glazed, Thatched roof	93,139	54
	H3	Walls: burnt bricks – earth floor – windows glazed, Thatched roof	100,379	58
	H16	Roof: Corrugated Iron Sheets resting on poles, Walls: Sundried bricks bonded with mud mortar, plastered with mud, Floor:Mud	102,453	59
	H17	Walls: stones bonded with mud mortar, Floor: earth, Roof: grass thatched, Door: grass door	112,698	65
	H5	Walls: Burnt bricks – earth floor – windows glazed in wooden frames, Roof: Corrugated Iron Sheets	121,528	70
	H13	Walls: Burnt bricks, Pointed outside, Plastered inside, glazed windows, Roof: Corrugated Iron Sheets, Floor; cement floor	125,601	72
	H10	Walls:Burnt bricks, Cement floor, Plastered inside and outside, painted,no roofing	157,347	91
	H7	Walls: Burnt bricks – cement floor, Plastered inside – windows glazed, Roof: Corrugated Iron Sheets	207,211	120

<sup>1</sup> 1USD=MWK1,734. (Reserve Bank of Malawi, 25/9/25)



Structure Category	Code	Description	Price per size (m or m <sup>2</sup> ) (MWK)	Price per size (USD <sup>1</sup> )
	H8	Walls: Burnt bricks – cement floor, plastered inside and outside – windows glazed, Roof: Corrugated Iron Sheets	224,782	130
	H14	Walls: Burnt bricks – cement floor, plastered inside and outside - painted- windows glazed, Roof: Corrugated Iron Sheets covered with plywood ceiling, Services; Solar Panels	294,448	170
	H9	Walls: Burnt bricks – cement floor, plastered inside and outside - painted- windows glazed, Roof: Corrugated Iron Sheets	389,305	225
	H11	Walls: Stones bonded with cement mortar pointed. Window: Raised windows, metallic casement with Burglar bars. Roof: Corrugated Iron sheets resting on sawn timber. Door: Wooden, with steel frame. Floor: Concrete.	525,801	304
Commercial building	COM2	Walls: sundried bricks – earth floor – windows glazed, Thatched roof	93,139	54
	COM6	Walls: Burnt bricks – cement floor – windows glazed in wooden frames, Roof: Corrugated Iron Sheets	121,528	70
	COM12	Roof; Grass thatched resting on timber poles, Walls; Sundried bricks bonded with mud mortar and plastered with mud, Window, wooden window and window frame, Wooden door and door frame, Floor; Earth	106,002	61
	COM10	Floor-Earth, Walls- Burnt Bricks bonded with mud, Roof- Corrugated iron sheets resting on timbers, Doors-Wooden door with wooden frame, Windows- No windows	127,605	74
	COM11	Corrugated Iron Sheets, Burnt Bricks bonded with mud mortar, open ceiling, wooden window with steel burglar bars, wooden door in wooden frames, rendered and painted, partly plastered, cement floor screed finish.	176,669	102
	COM13	corrugated iron sheets, cement blocks with cement mortar, cement screed, steel window frames	234,000	135
	COM9	Walls: Burnt bricks – cement floor, plastered inside and outside - painted- windows glazed, Roof: Corrugated Iron Sheets	389,305	225

Table 7: Compensation Rates for Other Structures

Structure Category	Code	Description	Price per size (m or m <sup>2</sup> ) (MWK)	Price per size (USD <sup>2</sup> )
Bathroom	B1	Bathroom-grass-walled and poles	48,352	28
Bathroom	B2	Bathroom walls: sun dried bricks – earth floor, thatched roof	60,500	35
Bathroom	B4	Walls-Burnt bricks, Floor-Earth	54,450	31
Bathroom	B5	corrugated iron sheets wall, open roof, Earth floor	65,340	38
Bathroom	B6	Walls: Reeds, Floor: Stone	38,682	22

<sup>2</sup> 1USD=MWK1,734. (Reserve Bank of Malawi, 25/9/25)



Structure Category	Code	Description	Price per size (m or m <sup>2</sup> ) (MWK)	Price per size (USD <sup>2</sup> )
Bathroom	B7	Poles covered with polypropylene sacks	30,946	18
Bench	BEN1	timber poles and corrugated iron sheets	28,738	17
Bench	BEN2	grass thatched with timber poles	12,650	7
Bench	BEN4	Burnt brick with mud mortar	53,130	31
Bench	BEN5	sawn timber and wooden poles	31,878	18
Bench	BEN6	Timber poles	15,939	9
Bench	BEN7	Wooven bamboo	9,564	6
Boys quarter	BQ1	Sun-dried brick	70,971	41
Washing Basin	BS1	Burnt bricks bonded with cement mortar and cement plastered	75,281	43
Booth (Aitel & TNM)	BT1	Roof- Corrugated iron sheets, Walls- Corrugated iron sheets, Floor-Earth	83,234	48
Booth (Aitel & TNM)	BT2	Walls: Plywood, Roof: Corrugated Iron Sheets	89,039	51
Booth (Aitel & TNM)	BT3	Cement concrete	59,488	34
Chicken house	CH1	Sun-dried brick	69,405	40
Chicken house	CH2	Burnt brick	71,861	41
Chicken house	CH3	Mud wattle	35,947	21
Chicken house	CH5	Roof: Open, Walls; poles, Floor: poles resting on 1 meter high poles	46,829	27
Chicken house	CH6	Roof; grass thatched, Walls; stacked stone walls.	42,927	25
Chicken house	CH7	Roof; grass thatched, Walls; wooden poles with mud mortal	50,731	29
Chicken house	CH8	Roof: wooden board. Wall: Stone bonded with mud	45,658	26
Fence	F1	Fence - poles and grass	6,234	4
Fence	F10	Stone bonded with cement mortar	106,500	61
Fence	F3	Burnt bricks	52,434	30
Fence	F4	Poles, barbed wire	24,934	14
Fence	F5	Timber poles, iron rods and barbed wire	19,947	12
Fence	F6	Standing poles	12,467	7
Fence	F7	Burnt bricks bonded with cement mortar, plastered	71,000	41
Fence	F8	corrugated iron sheets	34,000	20
Fence	F9	Wooven bamboo	17,000	10
Foundations	FOUND3	burnt bricks bounded with mud mortar - earth floor	18,253	11
Foundations	FOUND4	Burnt bricks bonded with cement mortar	32,058	19
Foundations	FOUND5	burnt bricks bounded with cement mortar - cement floor	36,554	21
Foundations	FOUND6	Foundation: Stones bonded with mud mortar	28,457	16
Gable level	GAB1	sun dried bricks bounded with mud mortar - earth floor	48,594	28



Structure Category	Code	Description	Price per size (m or m <sup>2</sup> ) (MWK)	Price per size (USD <sup>2</sup> )
Gable level	GAB3	burnt bricks bounded with mud mortar - earth floor	56,451	33
Gable level	GAB4	burnt bricks bounded with cement mortar - earth floor	80,361	46
Gable level	GAB6	Walls: Sundried bricks bonded with mud mortar, mud plastered,	69,854	40
Hanger	HG7	Timber poles	15,600	9
Troughs	HS1	Burnt bricks, plastered with cement screed	75,617	44
Kitchen	K3	Kitchen – walls: sundried bricks, earth floor and Thatched roof	68,934	40
Kitchen	K6	Walls: Wooden poles, Triples and metal sheet covering part of one side and a piece of fabric on one side. Roof: Grass thatched resting on wooden poles. Floor: Earth.	MWK 90,054	52
Kitchen	K7	corrugated iron sheets roof on timber, corrugated iron sheets wall one side, Earth floor	78,797	45
Kitchen	K8	IBR sheets, corrugated iron sheets walls, Earth Floor	94,557	55
Kraal	KR1	Poles	3,592	2
Kraal	KR10	Poles, barbed wire	10,056	6
Kraal	KR11	Concrete poles and tree branches with barbed wire.	12,067	7
Kraal	KR12	Roof: Open, Walls; poles, Floor: poles resting on 1.25 meters high poles	8,045	5
Kraal	KR13	Roof: poles, walls: poles, floor: poles resting on 1m high poles	6,034	3
Kraal	KR2	Reed	47,405	27
Kraal	KR4	Bricks	60,500	35
Kraal	KR5	Roof: Sawn timber mixed with wooden poles. Walls: Wooden poles. Door: Wooden door. Window: None. Floor: Wooden poles.	17,957	10
Kraal	KR6	Door: Wooden. Roof: Grass thatched resting on poles. Walls: Poles. Floor: Poles. Window: None.	12,570	7
Kraal	KR7	Walls: Corrugated iron sheets with wooden poles. Roof: Grass thatched, resting on wooden poles. Floor: Earth.	13,468	8
Kraal	KR8	Walls: Timber planks. Door: Wood. Floor: Sawn timber. Roof: Metal sheet resting on sawn timber, wooden poles and plastic paper.	21,548	12
Kraal	KR9	Sawn timber walls and floor, corrugated iron sheet roof resting sawn timber	15,084	9
Latrine	L1	Pit latrine – pole and grass walled	36,300	21
Latrine	L10	Walls: Sun dried bricks, Roof: Open roof, Floor: Earth	57,133	33
Latrine	L2	Pit latrine– wall: sundried bricks, earth floor, thatched roof	67,834	39
Latrine	L3	Pit latrine – wall: burnt bricks, earth floor, thatched roof	73,700	43
Latrine	L4	Floor-Earth, Walls- Burnt Bricks bonded with mud, Roof- Open	66,330	38



Structure Category	Code	Description	Price per size (m or m <sup>2</sup> ) (MWK)	Price per size (USD <sup>2</sup> )
Latrine	L5	corrugated iron sheets, Burnt bricks bonded with cement, Open Doors, Cement floor screed finish	88,440	51
Latrine	L6	corrugated iron sheets roof resting on timber, corrugated iron sheets walls, no doors, Earth floor	79,596	46
Latrine	L7	Walls: plywood, Floor: Earth	63,677	37
Latrine	L8	Burnt bricks with cement mortar, cement screed floor	84,018	48
Latrine	L9	Metallic sheets	67,215	39
Shade (Leisure shade and kiosk shade)	LS1	Open walls, Corrugated iron sheets with timber poles	38,913	22
Shade (Leisure shade and kiosk shade)	LS10	Roof; Corrugated iron sheets, WALLS; reed, FLOOR; Earth.	29,700	17
Shade (Leisure shade and kiosk shade)	LS11	Poles	15,300	9
Shade (Leisure shade and kiosk shade)	LS12	Walls: No walls, metal rod standing on four corners. Roof: No roof. Floor: Stones bonded with cement mortar.	23,760	14
Shade (Leisure shade and kiosk shade)	LS2	Corrugated iron sheets with bricks and mud mortar	55,138	32
Shade (Leisure shade and kiosk shade)	LS3	Corrugated iron sheets with bricks and cement mortar	81,813	47
Shade (Leisure shade and kiosk shade)	LS4	Thatched grass with timber poles	11,295	7
Shade (Leisure shade and kiosk shade)	LS5	Thatched grass with bricks and mud mortar	37,125	21
Shade (Leisure shade and kiosk shade)	LS6	Walls: Corrugated Iron Sheets, Roof: Corrugated Iron Sheets	94,234	54
Shade (Leisure shade and kiosk shade)	LS7	Walls: glass thatched walls, Roof: Corrugated Iron Sheets	61,234	35
Shade (Leisure shade and kiosk shade)	LS8	Carport lona (roof) supported by steel bars	141,350	82
Shade (Leisure)	LS9	Grass thatched resting on timber poles and iron sheets with earth floor.	62,458	36



Structure Category	Code	Description	Price per size (m or m <sup>2</sup> ) (MWK)	Price per size (USD <sup>2</sup> )
shade and kiosk shade)				
Booth (Aitel & TNM)	Other	Costs of moving and installing Fibre Kiosks	46,980	27
Signpost	SP1	Burnt bricks bounded with cement mortar - plastered and painted	105,090	61
Signpost	SP2	Metal standing on metal poles	199,669	115
Steps	ST1	Burnt bricks covered with cement screed	52,932	31
Steps	ST2	Cement blocks bonded with cement screed	79,398	46
Steps	ST3	Burnt bricks bonded with mud mortar	55,578	32
Stove	STV1	Stove; Burnt Bricks bonded with mud mortar	44,550	26
Stove	STV3	Sun-dried bricks bonded with mud mortar	35,640	21
Tank	TAN1	Water tank made of metal sheet, resting on metal tower	714,574	412
Tank	TAN2	Concrete and cement plastered	59,488	34
Window level	WIN3	Burnt bricks bounded with mud mortar - earth floor	39,528	23
Window level	WIN6	Walls: Stones bonded with cement mortar pointed. Roof: No roof. Floor: Earth.	84,319	49
Window level	WIN7	Cement blocks bonded with cement mortar on window level	93,600	54
Wall	WL1	Wall; Stones bonded with cement mortar	75,887	44
Wall	WL2	Burnt bricks, cement mortar and plastered (0.5 meter wall)	69,542	40
Yard	YD1	Made of concrete, acts as a driveway	59,488	34
Yard	YD2	Burnt bricks locked with mud mortar	45,161	26

## 3.3 Trees

### 3.3.1 Context and Categories

The market survey conducted in the Project area of Kaliati, Mpindo, Nkhwali, Feremu and along the S137 road revealed that various trees will be affected. However, most of the trees are of tender sizes and natural. The area has faced deforestation for a long time due to charcoal making. The charcoal-making business continues using the little trees that the area offers, or from privately owned natural forests, which involves a cash exchange.

The trees are classified into three categories based on use and originality. These are indigenous trees, as well as exotic and fruit trees. The indigenous trees are those growing naturally in the area. These are the ones heavily depleted due to the charcoal-making business. Big, well-matured trees are scarcely found in the area except in ranches, which are protected. The indigenous trees are used for medicine, poles for house construction, firewood, timber/planks and charcoal making wherever found. The forest gazette further categorises this type into classes 1-4, with class 1 being the highest in values. Examples of this type of tree in the area include Phingo, Msimbiti, Naphini and Nsolo.

In this category, there are also indigenous fruit trees. The wood is used for various purposes, just like the other indigenous trees and the fruits are used for consumption, which are a source of nutrients.



The exotic trees are those planted and are therefore mostly found around homesteads. These trees are used for poles and plank making. At times, they can be used for firewood. Examples of this type available in the Project area include Bluegum, Gmelina, Cassia and India.

The Project area has a variety of fruit trees, including mango, pawpaw, and guava. These are used for local consumption and sale. The fruit trees are mostly to be found along the S137 road. The main Project area has a few of them. There are also indigenous fruit trees. But, for valuation purposes, these are categorised as indigenous trees as they are not purposefully reared for fruits. However, allowance is considered for this additional value.

### 3.3.2 Methodology

Two alternatives exist for the valuation of trees. These are statutory methods based on the use of a forestry gazette and the market approach.

The Department of Forestry releases a forestry gazette periodically, which stipulates the statutory rates for indigenous, exotic, and fruit trees in the country. The recent publication is that of June 2024. However, this was suspended due to an injunction taken against its implementation. This leaves one alternative for the valuation of the trees- the Market Approach.

The market approach requires the identification of trees and evidence of tree sales within the area. The market survey team interviewed charcoal sellers, local leaders, carpenters, timber makers, and ordinary citizens to understand how trees are sold in the area. The team understood that the prices of trees varied greatly based on the reason for which the trees were bought. For example, if the trees were being bought for charcoal making, the price would be higher than one for poles. Similarly, the price of plank-making would be higher than that of charcoal-making. What was clear is that there was a market for trees in the Project area.

#### 3.3.2.1 Valuation of Indigenous and Exotic Trees

Responses from charcoal sellers have been relied upon to arrive at the value of indigenous trees. The responses from timber makers could also be relied upon, but the area does not have a lot of such trees that could make it a mainstay for people in the area. The area is known for charcoal making, which finds trade in the city Blantyre and the surrounding areas. Therefore, this can be viewed as the main activity where the trees could find their importance.

The charcoal sellers listed the trees they use for charcoal and how much each cost. Below are the average prices for each fully grown tree. Tables Table 8 and Table 9 indicate the average prices as obtained during the market survey.

**Table 8: Price of Indigenous Trees for Charcoal Production**

Tree	Average Price (MWK)
Mfula	26,250.00
Mlombwa	45,000.00
Phingo	50,000.00
Msimbiti	42,500.00
Mkungu	50,000.00
Gonondo	32,000.00
Kagolo	30,000.00
Mkunkhu	35,000.00
Mphakasa	20,000.00
Phingo	35,000.00
Mkalati	25,000.00
Naphini	20,000.00
Mbalitsa	20,000.00
Mpando	15,000.00
Thombozi	18,000.00



Tree	Average Price (MWK)
Mchenje	30,000.00
Kachumbe	30,000.00
Msolo	40,000.00

Table 9: Prices of Exotic Trees

Tree	Average Price (MWK)
Bluegum	40,000.00
Gmelina	40,000.00
Msangu	50,000.00

The prices differed from small to medium to large. As such, the medium-sized tree is to be half the large tree's price, and for the small category, the price would be half of the medium-sized tree, provided the smaller tree can be of use in the charcoal-making industry. Thus, those smaller trees that can be useless at a homestead are not included. Similarly, palm trees shorter than 1.5 m are not considered for compensation.

The measurement to determine the size of the trees is the circumference taken at a height of 1.37 m above the tree.

For indigenous trees, the measurement for small trees is between 10 cm and 30 cm. The measurement for medium-sized trees is between 30cm and 55cm. The large size is measured as above 55 cm. These measurements are based on practice.

The sizes for exotic trees are less than 7 cm for the small size, between 7 cm and 35 cm for the medium and above 35 cm for the large size.

Using the suspended forestry gazette as a guide, and after discussion with the Ministry of Lands Valuers, the rates of compensation for the indigenous and exotic trees have been worked out as follows.

Table 10: Compensation Prices of Trees According to Class (in MKW)

Type	Class	Seedling	Small	Medium	Large
Indigenous	I and/or VI	n/a	10,000	20,000	40,000
	II to V		3,000	10,000	20,000
Exotic		1,500	15,000	22,500	45,000

### 3.3.2.2 Fruit Trees

To develop compensation rates for fruit trees, the loss of future income was estimated. The following formula was adopted:

$$C = (K \times V - M) \times YP + E$$

Where:

- C is compensation value of the fruit tree;
- K = average annual productivity of one tree of the same species and age group as cut tree (in kg per tree);
- V= market price at farm gate of 1kg of product;
- M = average operating cost and annual expenses for agricultural works;
- YP = multiplier to obtain the present value of future incomes from the fruit tree at the time of valuation. It is based on the concept of the time value of money: an amount of money receivable or anticipated as income in the future is always worth less than an equal amount actually in the hand now. The current bank interest rate (0.26) is applied as the discount rate for estimating the present worth of future income streams to be generated by the fruit tree during the time it would take takes to reach maturity for a new tree. The formula to obtain the multiplier is:  $YP = \left(1 - \frac{1}{(1+interest\ rate)^{(years\ to\ maturity)}}\right) \times interest\ rate$ ,



- E = Establishment costs, estimated to be 10,000 MWK, covering the cost of seedling and replanting activities.

Fruit trees that do not yet produce fruit are considered seedlings.

To obtain input into this valuation model, the market survey established the price of seedlings, cost of production, unit prices, yields per tree per year, and the time it takes from planting to a productive stage. The market survey team engaged fruit growers and experts in Mwanza and Agriculture officers in Neno for annual yields, cost of production/expenses and years needed to regrow the tree to its highest productive stage. Vendors were engaged in Mwanza, Chikuli and the markets along the S137 road in Blantyre for unit prices.

### 3.3.3 Compensation Rates

Table 11: Compensation Rates for Indigenous and Exotic Trees

Type of tree	Size (Trunk diameter at 1.37 m)	Cost	
		MWK	USD
Indigenous trees – Class 1 and 6 (I and/or VI)	10 to 30 cm	10,000	5.77
	30 to 55 cm	20,000	11.54
	> 55 cm	40,000	23.07
Indigenous trees – Class 2, 3, 4 and 5 (II – V)	10 to 30 cm	3,000	1.74
	30 to 55 cm	10,000	5.77
	> 55 cm	20,000	11.54
Exotic trees (such as Acacia, Moringa, Neem, White teak, Eucalyptus Blue-gum, Pine tree, Firtree, Gliricidia, Cypress)	< 7 cm	1,500	0.87
	7 to 25 cm	15,000	8.66
	25 to 35 cm	22,500	12.98
	> 35 cm	45,000	25.96
Sisal/Cactus/aloe vera	bunch	1,000	0.87
Palm trees	Trunk height > 1.5 m	30,000	17.31

Table 12: Compensation Rates for Fruit Trees Seedlings (Market Survey, 2025)

Fruit trees	Seedling unit price (MWK)	Price (USD) <sup>3</sup>
Avocado_peas	4,250	2.5
Banana	1,000	0.6
Custard_apple	2,500	1.4
Guava	3,000	1.7
Lemon	2,250	1.3
Mango	1,000	0.6
Mulberry	2,500	1.4
Oranges	2,250	1.3
Papaya	2,500	1.4
Tangerine	1,500	0.9

<sup>3</sup> 1USD=MWK1,734. (Reserve Bank of Malawi, 25/9/25)



Table 13: Compensation Rates for Productive Fruit Trees (Market Survey, 2025)

Fruit trees species	Annual Yield (kg) (K)	Price kg (MWK) (V)	Operating costs (MWK) (M)	Net annual income (MWK) (= K x V -M)	Years to maturity	YP (multiplier)	Present Value Amount (MWK) (= net annual income x YP)	Establishment cost (MWK)	Compensation (= Present Value Amount + Establishment cost) (Rounded off)	
									MWK	USD <sup>4</sup>
Avocado_peas	100	1500	5,000.00	145,000.00	5	2.64	382,085.27	10,000	392,100.00	226.12
Banana	40	3000	3,200.00	116,800.00	1	0.79	92,698.41	10,000	102,700.00	59.23
Custard_apple	20	3000	3,200.00	56,800.00	5	2.64	149,672.02	10,000	159,700.00	92.10
Guava	60	500	3,200.00	26,800.00	3	1.92	51,548.15	10,000	61,500	35.49
Lemon	60	1,070	3,200.00	61,000.00	4	2.32	141,531.54	10,000	151,500.00	87.37
Mango	100	500	3,200.00	46,800.00	5	2.64	123,321.31	10,000	133,300.00	76.87
Mulberry	3.9	4000	3,200.00	12,400.00	5	2.64	32,674.88	10,000	42,700.00	24.63
Oranges	60	1,305.50	3,200.00	75,130.00	4	2.32	174,315.81	10,000	184,300.00	106.29
Papaya	120	750	3,200.00	86,800.00	1	0.79	68,888.89	10,000	78,900.00	45.50
Tangerine	60	1,200	3,200.00	68,800.00	4	2.32	159,629.02	10,000	169,600.00	97.81

<sup>4</sup> 1USD=MWK1,734. (Reserve Bank of Malawi, 25/9/25)



## 3.4 Crops

The Project will schedule the land acquisition process to avoid or minimise as much as possible impacts on crops. PAPs cultivating annual crops will be allowed sufficient time to harvest their crops prior to land take, ensuring no loss of mature or near-mature crops. They will have no less than 2 months advance notice to vacate the land and right to harvest the crops before the date the land shall be vacated (as long as it does not interfere with Project construction timelines). Where annual crops are damaged or destroyed due to project activities during construction, including impacts from machinery movement or site clearance, these crops will be eligible for compensation, using the rates defined in this section, which could be update on an annual basis to reflect market variations and inflation.

### 3.4.1 Context and Categories

The Project area is predominantly agriculture dependent, though the soils are thin, stony and sandy. In areas where farming is possible, maize, pigeon peas, sorghum, cassava, cow peas are the crops being grown. Maize is the main crop grown in the area. The vegetables are grown along the streams and the Shire River. The crops grown are chiefly for subsistence. The market survey revealed that most of the maize and other crops being sold in the markets in the area do not come from within the area. This means farmers do not harvest enough to sell. Most of the crops are rainfed. Even irrigation does not yield much, evidenced by the fact that even some vegetables being sold in the markets of Mpinganjira, Kanjedza come from Chirimba in Blantyre.

### 3.4.2 Methodology

The market prices and crop yields per hectare need to be established to establish the compensation rates for crops. The crop yields per hectare are multiplied by the highest market price of the crop in the past three years to arrive at the crop compensation per hectare.

The market survey established the yields and costs of production for various crops from the secondary sources supplied by Neno Agriculture Office. The market prices were obtained from interviews with crop and vegetable vendors at Chikuli, Kaliati, Kanjedza, Mpinganjira and 10 Miles Markets on the Blantyre side and Chifunga and Mwanza town markets on the western side of the Shire River. Below are the compensation rates based on prices and yields obtained from primary and secondary sources.

### 3.4.3 Compensation Rates

Table 14 below gives the compensation rates for annual crops, per hectare.

Should the area farmed be dedicated to more than one crop, a weighting of 3:1 (for two crops) or 5:3:2 (for three crops) or equal weightings can be applied depending crop dominance on the area farmed. The results are summed up to obtain the compensation for the mixed farmed crops recorded.



Table 14: Compensation Rates for Annual Crops

Crop	Price per kg (MWK)	Yield per ha	Compensation Rate per ha	
			MWK	USD <sup>5</sup>
Bambra Groundnuts	2,000	600	1,730,770	1,000
Bean	6,833	602	4,113,667	2,000
Cabbage	780	20,000	15,593,333	9,000
Cassava	980	13,202	12,933,720	7,000
Chinese_cabbage	1,740	15,000	40,192,328	23,000
Cotton	1,400	901	695,000	400
Cowpea / Cow_bean	3,500	439	1,536,550	1,000
Eggplant	1,520	20,000	30,400,000	18,000
Garlic	15,000	5,000	75,000,000	43,000
Ginger	15,000	5,000	75,000,000	43,000
Groundnut	6,167	922	5,685,667	3,000
Hyacinth_bean	4,000	350	2,115,385	1,200
Indian_mustard	1,120	14,000	29,673,076	17,120
Irish_potato	2,210	15,000	33,150,000	19,000
Maize	1,220	2,500	3,050,000	2,000
Okra	2,077	5,000	10,383,333	6,000
Onion	3,047	15,000	45,700,000	26,000
Pea	5,500	2,000	11,000,000	6,000
Pigeon_pea	2,340	1,500	3,510,000	1,000
Pumpkin	732	20,000	18,163,480	10,480
Rice	4,167	4,000	16,666,667	10,000
Sorghum	2,500	1,167	2,917,500	2,000
Soybean	3,500	3,000	10,500,000	9,000
Sugarcane	435	60,000	26,100,000	15,000
Sweet_potato	467	15,278	7,129,734	4,000
Tomato	2,567	30,000	77,000,000	44,000
Velvet_beans	3,500	439	1,536,500	887

## 3.5 Loss of Business Revenue

### 3.5.1 Context and Categories

The Project will affect both formal and informal businesses in the Project area. The formal business identified in the area is the ranch on the western bank of the Shire River. Typically, formal businesses are recognised by the district councils by way of licensing, and they pay business rates to the councils. They usually operate in semi-permanent to permanent structures. They are established in their locations, and they may employ others and usually keep records of transactions.

Informal businesses in the area include selling Irish potatoes, chips, cassava, maize, charcoal, vegetables, and many more. These businesses are not very well established. They usually operate

<sup>5</sup> 1USD=MWK1,734. (Reserve Bank of Malawi, 25/9/25)



from one place to another. They typically lack permanency. They operate in make-shift structures. These businesses play a big role in livelihoods.

In a rural set-up, businesses (both formal and informal) help cushion the people of the various shocks prevalent in their communities. Many of the businesses in this area, though, are informal.

## 3.5.2 Methodology

Structures will be compensated for immovable businesses as indicated in the previous sections. However, the loss of income during the transition to a new place to re-establish the business will be a separate loss category. The loss of income depends on the size and type of business (formal or informal)

### 3.5.2.1 Formal Businesses

Formal businesses have records or documents allowing them to establish their net revenue. Based on these documents/records, the formal businesses will attract an allowance equivalent to 3 months of their average net revenue documented for the past 2 years.

The type of records to be relied upon to determine the net revenue/profit includes sales and purchase documents, wage payment records, utilities payment records, and business rates payment records to councils. There is only one affected formal business which will have to stop its activity: a ranch located in the conservancy area. The market survey engaged the business owner of this ranch to understand the operations of the business and expenses and receipts involved. Using the above methodology, the cost of purchases was deducted from receipts and later the wages, utilities and other working expenses were deducted from the gross profit to obtain the net revenue.

### 3.5.2.2 Informal Businesses

Small informal businesses (such as small kiosks) can easily be moved, with appropriate allowances for loss of income during transition. These are informal and seldom, if ever, have records of profit or loss.

A survey was performed to determine the profit per month per category of informal businesses. For each category, a fixed amount is estimated for loss of income during the moves until they are established again. This fixed amount was calculated through the observation method to estimate turnover and profit for typologies of business. This amount is limited to **3 months** of average estimated net revenue for the category of business affected.

During the survey, informal business owners were asked how much they invest per month into their business, what expenses they incur, and how much they get as profit based on the invested money. The amount realised was compared with profits in different seasons and years past. The table below shows the net revenue per month and for the three months.

## 3.5.3 Allowances for Loss of Business Revenue

Table 15 below provides the estimated average net revenue and the associated allowance for the loss of business revenue for the formal business affected. This is an estimation, based on the information collected during the survey. The final allowance will be determined after the relevant tax records have been verified. A minimum of 5,000,000 MWK of average net monthly revenue will be considered, which would make 15,000,000 MWK for the total allowance for loss of formal business revenue.

Table 16 shows the allowances for the different types of informal businesses registered and surveyed.



Table 15: Allowances for Loss of Business Revenue for Formal Businesses

Business Category		Average net revenue (MWK per month) estimated from the market survey	Allowance for loss of business revenue (equivalent of 3 months of average net revenue)	
			MWK	USD
Formal business	Ranch	5,000,000	15,000,000	8,650

Source: Mpatamanga Market survey (2025). Exchange rate: 1US\$=MWK 1,734 (Reserve Bank of Malawi, 26/9/25)

Table 16: Allowances for Loss of Business Revenue for Informal Businesses

Businesses categories	Average monthly net income (MWK)	Allowance for loss of business revenue (equivalent to 3 months of average net revenue)	
		MWK	USD
Groceries	305,000.00	915,000.00	527.7
Mobile Money	287,000.00	862,500.00	497.4
Chips	223,000.00	669,000.00	385.8
Vegetable selling	250,000.00	750,000.00	432.5
Motorcycle repair	190,000.00	570,000.00	328.7
Photocopy	40,000.00	120,000.00	69.2
Welding	780,000.00	2,340,000.00	1349.5
Meat selling	760,000.00	2,280,000.00	1314.9
Maize mill	1,000,000.00	3,000,000.00	1730.1
Bar	450,000.00	1,350,000.00	778.5
Phone charging	100,000.00	300,000.00	173.0
Restaurant	500,000.00	1,500,000.00	865.1
Barber shop	250,000.00	750,000.00	432.5
Fish Selling	468,000.00	1,404,000.00	809.7
Fish/veg selling	380,000.00	1,140,000.00	657.4
Burning centre	260,000.00	780,000.00	449.8
Carpentry/joinery	875,000.00	2,625,000.00	1513.8
Clothes selling	220,000.00	660,000.00	380.6
Computer use	530,000.00	1,590,000.00	917.0
Rental real estate	100,000.00	300,000.00	173.0
Retail food	550,000.00	1,650,000.00	951.6
Tinsmithing	390,000.00	1,170,000.00	674.7

Exchange rate: 1US\$=MWK 1,734 (Reserve Bank of Malawi, 26/9/25)

## 3.6 Allowances

### 3.6.1 Loss of Employment Revenue

To cover the time needed to find another employment, or the period during which their employers will re-establish their businesses, the employees of the affected businesses will receive, for loss of employment revenue, a one-time allowance equivalent to 3 months of the minimum wage income in rural areas. As defined by the Ministry of Labour, the minimum rural wage is MWK 126,000.16 per month as of 1<sup>st</sup> June 2025 (Ministry of Labour 2025).



### **3.6.2 Disturbance Allowance**

A disturbance allowance is a precedent requirement widely used in resettlement Projects and entails a set percentage of the fixed asset compensation rates. The intent is to allow for costs and expenses that entities would experience during the course of displacement, and which cannot reliably be forecast. There is no national or international set standard and approach, and it is often subject to the discretion of the Government of Malawi. A rate of 20% is usually applied as a disturbance allowance by other Projects. Therefore, the Mpatamanga HPP will apply a 20% disturbance allowance on the total compensation amount for all categories of affected persons.

### **3.6.3 Moving Allowance**

A moving allowance is to be provided to the households physically displaced (either owning the house affected and tenants of the affected house) and to the affected business owners. This moving allowance is to be a one-off payment of MWK 200,000 (about USD 116).

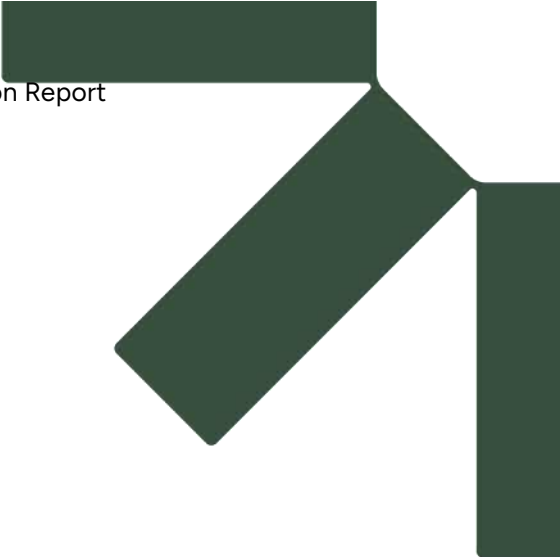
The price of transportation services was investigated during the market survey. It was found that transportation services providers would charge MWK 170,000 for renting a small trunk to move business equipment or households belongings to a new place. Rounding this cost up to MWK 200,000 gives the amount of the moving allowance.

# Annexes

# Annex I - References



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# Annex II – Minutes of Meetings



# Key results from the market survey



Table 17: Neno District Agriculture Office – Horticultural Crop Estimates, Third Round 2024/2025

CROP	TOTAL AREA (HA)	YIELD (KG/HA)	PRODUCTION (MT)	REMARKS
1.1 CABBAGE (RAINFED)				Newly captured
Chiwale	4	14,250	57	
Lisungwi	4	17,500	70	
Mkulumadzi	3	15,000	45	
Mlindi	6	7,833	47	
Neno	3	16,333	49	
3RD ROUND 2024/25	20	13,400	268	
FINAL ROUND 2023/24	-		-	
1ST ROUND 2024/25	-		-	
2ND ROUND 2024/25	20	13,400	268	
1.2 CABBAGE (IRRIGATED)				
Chiwale	6	21,500	129	newly captured
Lisungwi	9	18,111	163	
Mkulumadzi	7	15,857	111	
Mlindi	6	14,167	85	
Neno	5	22,200	111	
3RD ROUND 2024/25	33	18,152	599	
FINAL ROUND 2023/24	-		-	
1ST ROUND 2024/25	-		-	
2ND ROUND 2024/25	33	17,273	570	
1.3 CABBAGE (ALL)				Area increased by 33% due to market availability
Chiwale	10	18,600	186	Yield decreased by 8% due to unfavourable weather conditions
Lisungwi	13	17,923	233	Production increased by 21% due to increase in area
Mkulumadzi	10	15,600	156	
Mlindi	12	11,000	132	
Neno	8	20,000	160	
3RD ROUND 2024/25	53	16,358	867	33
FINAL ROUND 2023/24	40	17,875	715	(8)
1ST ROUND 2024/25	40	18,050	722	21
2ND ROUND 2024/25	53	15,811	838	
1.4 TOMATO (SUMMER)				
Chiwale	12	6,833	82	
Lisungwi	22	5,636	124	
Mkulumadzi	8	4,875	39	
Mlindi	6	4,500	27	
Neno	14	7,286	102	
3RD ROUND 2024/25	62	6,032	374	
FINAL ROUND 2023/24	-		-	
1ST ROUND 2024/25	-		-	
2ND ROUND 2024/25	62	6,032	374	
1.5 TOMATO (IRRIGATED)				



CROP		TOTAL AREA (HA)	YIELD (KG/HA)	PRODUCTION (MT)	REMARKS
	Chiwale	42	17,286	726	newly captured
	Lisungwi	61	17,443	1,064	
	Mkulumadzi	28	16,107	451	
	Mlindi	15	15,667	235	
	Neno	36	14,306	515	
	3RD ROUND 2024/25	182	16,434	2,991	
	FINAL ROUND 2023/24	-		-	
	1ST ROUND 2024/25	-		-	
2ND ROUND 2024/25	182	16,126	2,935		
1.6 ALL TOMATO					Area increased by 5% due to market availability
	Chiwale	54	14,963	808	Yield decreased by 32% due to unfavourable weather conditions
	Lisungwi	83	14,313	1,188	Production decreased by 29% due to decrease in yield
	Mkulumadzi	36	13,611	490	
	Mlindi	21	12,476	262	
	Neno	50	12,340	617	
	3RD ROUND 2024/25	244	13,791	3,365	5
	FINAL ROUND 2023/24	232	20,297	4,709	(32)
	1ST ROUND 2024/25	232	40,629	9,426	(29)
2ND ROUND 2024/25	244	13,561	3,309		
1.7 ONION (RAINFED)					
	Chiwale	4	5,500	22	
	Lisungwi	3	11,667	35	newly captured
	Mkulumadzi	2	7,500	15	
	Mlindi	1	20,000	20	
	Neno	2	12,500	25	
	3RD ROUND 2024/25	12	9,750	117	
	FINAL ROUND 2023/24	-		-	
	1ST ROUND 2024/25	-		-	
2ND ROUND 2024/25	12	9,750	117		
1.8 ONION (IRRIGATED)					
	Chiwale	10	11,900	119	newly captured
	Lisungwi	6	17,500	105	
	Mkulumadzi	4	8,250	33	
	Mlindi	3	11,000	33	
	Neno	5	11,000	55	
	3RD ROUND 2024/25	28	12,321	345	
	FINAL ROUND 2023/24	-		-	
	1ST ROUND 2024/25	-		-	
2ND ROUND 2024/25	28	12,250	343		
1.9 ONION (ALL)					Area increased by 11% due to good market prices
	Chiwale	14	10,071	141	Yield decrease by 33% due to unfavourable weather conditions



CROP		TOTAL AREA (HA)	YIELD (KG/HA)	PRODUCTION (MT)	REMARKS
	Lisungwi	9	15,556	140	Production decrease by 26% due to decrease in yield.
	Mkulumadzi	6	8,000	48	
	Mlindi	4	13,250	53	
	Neno	7	11,429	80	
	3RD ROUND 2024/25	40	11,550	462	11
	FINAL ROUND 2023/24	36	17,333	624	(33)
	1ST ROUND 2024/25	36	17,778	640	(26)
	2ND ROUND 2024/25	40	11,500	460	
2.0 BANANA					Area almost the same as last season
	Chiwale	6	8,167	49	Yield almost the same as last season
	Lisungwi	10	4,500	45	Production almost the same as last season
	Mkulumadzi	12	9,667	116	
	Mlindi	11	8,909	98	
	Neno	8	9,125	73	
	3RD ROUND 2024/25	47	8,106	381	(2)
	FINAL ROUND 2023/24	48	7,917	380	2
	1ST ROUND 2024/25	48	8,021	385	
2ND ROUND 2024/25	47	8,085	380	0	
2.1 PINEAPPLES					
	Chiwale	-		-	
	Lisungwi	-		-	
	Mkulumadzi	-		-	
	Mlindi	-		-	
	Neno	-		-	
	3RD ROUND 2024/25	-		-	
	FINAL ROUND 2023/24	-	-	-	
	1ST ROUND 2024/25	-	-	-	
2ND ROUND 2024/25					
2.2 CUCUMBER					Area has decreased by 4%
	Chiwale	21	37,857	795	Yields increased by 6% due to favourable weather
	Lisungwi	80	37,250	2,980	Production almost the same as last season
	Mkulumadzi	4	34,250	137	
	Mlindi	14	35,357	495	
	Neno	15	35,000	525	
	3RD ROUND 2024/25	134	36,806	4,932	(4)
	FINAL ROUND 2023/24	140	34,679	4,855	6
	1ST ROUND 2024/25	140	34,721	4,861	2
2ND ROUND 2024/25	134	36,806	4,932		
2.3 OKRA					Area almost the same as last season
	Chiwale	16	1,875	30	Yields decreased by 18% due to unfavourable weather conditions
	Lisungwi	75	1,973	148	Production decreased by 19% due to decrease in yields
	Mkulumadzi	10	1,600	16	



CROP		TOTAL AREA (HA)	YIELD (KG/HA)	PRODUCTION (MT)	REMARKS
	Mlindi	9	1,556	14	
	Neno	12	1,250	15	
	3RD ROUND 2024/25	122	1,828	223	(1)
	FINAL ROUND 2023/24	123	2,228	274	(18)
	1ST ROUND 2024/25	123	2,320	277	(19)
	2ND ROUND 2024/25	122	2,320	223	
2.4 EGGPLANTS					Area almost the same as last season
	Chiwale	6	24,000	144	Yield almost the same as last season
	Lisungwi	36	29,806	1,073	Production increased by 4%
	Mkulumadzi	6	22,500	135	
	Mlindi	8	19,375	155	
	Neno	7	16,000	112	
	3RD ROUND 2024/25	63	25,698	1,619	2
	FINAL ROUND 2023/24	62	25,129	1,558	2
	1ST ROUND 2024/25	62	25,194	1,562	4
2ND ROUND 2024/25	63	25,698	1,619		
2.5 TANGERINES					Number of bearing trees almost same as last season
	Chiwale	8,646	248	2,144	Yield increased by 47% due to favourable weather conditions
	Lisungwi	71	155	11	Production increased by 47% due to increase in yield
	Mkulumadzi	3,598	320	1,153	
	Mlindi	3,041	257	782	
	Neno	8,594	355	3,051	
	3RD ROUND 2024/25	23,950	298	7,141	(0)
	FINAL ROUND 2023/24	24,034	203	4,872	47
	1ST ROUND 2024/25	24,034	229	5,495	47
2ND ROUND 2024/25	23,950	292	6,991		
2.6 LEMONS					Number of bearing trees almost same as last season
	Chiwale	295	258	76	Yields increased by 13% due to unfavourable weather conditions
	Lisungwi	95	253	24	Production increased by 12% due to increased yields
	Mkulumadzi	166	211	35	
	Mlindi	125	208	26	
	Neno	495	234	116	
	3RD ROUND 2024/25	1,176	236	277	(2)
	FINAL ROUND 2023/24	1,194	208	248	13
	1ST ROUND 2024/25	1,194	219	261	12
2ND ROUND 2024/25	1,176	229	269		
2.7 AVOCADO PEARS					Number of bearing trees increased by 4%
	Chiwale	609	575	350	Yield almost the same as last season
	Lisungwi	26	500	13	Production increased by 6% due to increase in area
	Mkulumadzi	568	512	291	
	Mlindi	178	556	99	



CROP		TOTAL AREA (HA)	YIELD (KG/HA)	PRODUCTION (MT)	REMARKS
	Neno	1,380	511	705	
	3RD ROUND 2024/25	2,761	527	1,456	4
	FINAL ROUND 2023/24	2,649	520	1,377	1
	1ST ROUND 2024/25	2,649	560	1,484	6
	2ND ROUND 2024/25	2,761	538	1,485	
<b>2.8 MANGO</b>					Number of bearings trees same as last season
	Chiwale	3,840	256	983	Yield same as last season (weighed)
	Lisungwi	3,289	233	765	Production increase by 8% due to increase in yield and area
	Mkulumadzi	1,826	539	985	
	Mlindi	3,051	335	1,023	
	Neno	2,044	524	1,072	
	3RD ROUND 2024/25	14,050	344	4,828	4
	FINAL ROUND 2023/24	13,445	332	4,464	3
	1ST ROUND 2024/25	13,445	332	4,464	8
2ND ROUND 2024/25	14,050	344	4,828		
<b>2.9 MACADAMIA</b>					Number of bearing trees increased by 1%
	Chiwale	1,025	36	37	Yields have increased by 94% due to favourable weather
	Lisungwi				Production has increased by 95% due to increase in yield
	Mkulumadzi				
	Mlindi				
	Neno				
	3RD ROUND 2024/25	1,025	36	37	1
	FINAL ROUND 2023/24	1,019	19	19	94
	1ST ROUND 2024/25	1,019	21	21	95
2ND ROUND 2024/25	1,025	35	36		
<b>3.0 GUAVA</b>					Number of bearing trees same last season
	Chiwale	1,860	55	102	Yield increased by 7% due to favourable weather conditions
	Lisungwi	312	67	21	Production increased by 8% due to increase in yield
	Mkulumadzi	1,913	59	112	
	Mlindi	225	67	15	
	Neno	1,728	63	108	
	3RD ROUND 2024/25	6,038	59	358	0
	FINAL ROUND 2023/24	6,014	55	332	7
	1ST ROUND 2024/25	6,014	55	332	8
2ND ROUND 2024/25	6,038	59	358		
<b>3.1 ORANGES</b>					Number of trees almost same as last season
	Chiwale	2,109	278	586	Yields increased by 14% due to favourable weather conditions
	Lisungwi	1,267	110	139	Production increased by 17% due to increase in yield
	Mkulumadzi	2,067	287	593	
	Mlindi	2,045	125	256	



CROP		TOTAL AREA (HA)	YIELD (KG/HA)	PRODUCTION (MT)	REMARKS
	Neno	2,015	222	447	
	3RD ROUND 2024/25	9,503	199	1,894	3
	FINAL ROUND 2023/24	9,271	186	1,725	7
	1ST ROUND 2024/25	9,271	194	1,800	10
	2ND ROUND 2024/25	9,503	188	1,791	
3.2 MEXICAN APPLE					Number of trees almost same as last season
	Chiwale	540	156	84	Yield almost the same as last season
	Lisungwi				Production increased by 5% due to increase in yield
	Mkulumadzi	485	169	82	
	Mlindi	135	481	65	
	Neno	385	158	61	
	3RD ROUND 2024/25	1,545	189	292	2
	FINAL ROUND 2023/24	1,511	184	278	3
	1ST ROUND 2024/25	1,511	184	278	5
2ND ROUND 2024/25	1,545	189	292		
3.3 PAW-PAW					Number of trees almost same as last season
	Chiwale	650	334	217	Yields have increased by 11% due to favourable weather
	Lisungwi	2,510	145	364	Production increased by 14% due to increase in yield
	Mkulumadzi	285	495	141	
	Mlindi	2,456	223	548	
	Neno	502	265	133	
	3RD ROUND 2024/25	6,403	219	1,403	3
	FINAL ROUND 2023/24	6,214	198	1,231	11
	1ST ROUND 2024/25	6,212	195	1,210	14
2ND ROUND 2024/25	6,403	213	1,363		



Table 18: Prices of Building Materials as Sourced from Markets

Building Material	Description	Average Price (MWK)
CIR	9 feet	17,862.50
IBR	9 feet	37,500.00
Cement	50 kg	30,750.00
Lime	25 kg	39,250.00
Paint	Oil 5 L	71,666.67
Flat Steel Sheets		102,500.00
Binding Wire	Roll	22,100.00
Nails	1 kg	7,000.00
Hinges		3,125.00
Glasses		3,083.33
Tiles	Pack of 17	51,000.00
Locks	Union	29,600.00
Doors		76,333.33
Water Tank	2,000 L	1,950,000.00
Electrical Wires	100 m	90,750.00
Wooden Door Frame		20,000.00
Steel Door Frame		90,000.00
Wooden Window Frame	Glass	20,400.00
Steel Window Frame		49,000.00
Brick Force Wire		7,500.00
Y12 Rod	Meter	4,750.00
Air Vent		2,000.00

Table 19: Prices of Building Materials as Sourced from Markets

Material	Price (MWK)
Burnt bricks	50.71
Sundried bricks	27.57
Big sized bricks	138.57
Cement blocks	3,360.00
Sand	4,814.29
Quarry	64,500.00
Reed/grass	500
Cement	34,000.00
Window frames (wood)	4,000.00
Window frames (steel)	1,116,666.67
Door frames (wood)	37,500.00
Door frames (steel)	1,183,333.33
Metal sheets	100,000.00
Steel poles	142,500.00
Building wire	6,800.00
Roofing nails	7000
IBR(inverted Box Rib) roofing sheets	18,000.00
CIR(Corrugated iron Sheets)	80,000.00
Wire nails	8,000.00
Binding wire	7,600.00
Y12 rods	4,200.00
Lime	35,000.00



# Market Survey Neno Department of Agriculture Meeting Minutes

Date: 23<sup>rd</sup> June 2025

Time: 2:00PM – 4:00PM

Venue: Zalewa Agriculture Office

Meeting proposed by: Mpatamanga Market Survey Team

Facilitator: Mr. Mavuto Phula (Valuation Specialist)

Note Taker: Mr. Lermos Joseph

Attendance:

- Enzo Bellini (SLR, Agronomist)
- Lermos Joseph (Valuation Surveyor)
- Mabvuto Phula (Valuation Specialist)
- Upe Museko (Director of Agriculture Services)
- Lawrence Kutengule (Agriculture EMO)
- Trizer Nkhoma (Agriculture AD)

Introduction was made by each participant and a brief introduction of the Project and the purpose of the meeting was made by Mr. Mabvuto Phula. He mentioned that things to discuss was solely for Mpatamanga Hydropower Project and road project compensation assessment. The questionnaire was administered by Mr. Mabvuto the questions were targeting categories listed below:

- Common crops in the area;
- Production costs, yield and markets; and
- Livestock farming.

Mr. Upe Museko has a M.Sc. degree in Agriculture and food examination studies he has been in Neno for 1 year 6 months.

The interview started with common crops grown in the area which are; maize, soya, pigeon peas, Irish potato, sweet potato, sesame, cotton, wheat and beans.

Mango, banana, orange, tangerines, lemon, guava, pawpaw, avocado, peaches and watermelons were listed as common fruits grown in the area.

## Livestock production

Goats, chicken, rabbit, cattle were listed as common livestock in the area, pigs are not common in the area due to religious beliefs.

Average prices of goats are MWK 100,000, cattle MWK 1,000,000 and chicken is MWK 16,000.

The additional information on the cost of production and markets were provided in the attached annual reports.



The facilitator appreciated the active participation of the Department of Agriculture at Zalewa and emphasised how this information will assist in the Project plan and implementation.

The meeting ended at 4:00 PM.



Figure 30: Meeting with Agriculture Officer at Zalewa Agriculture Office



# Market Survey Neno Forest Officer and Lands Officer Meeting Minutes

Date: 24<sup>th</sup> June 2025

Time: 1:00PM – 2:30 PM

Venue: Neno District Office

Meeting proposed by: Mpatamanga Market Survey Team

Facilitator: Mr. Mavuto Phula (Valuation Specialist)

Note Taker: Mr. Lermos Joseph

Attendance:

- Enzo Bellini (SLR, Agronomist)
- Lermos Joseph (Valuation Surveyor)
- Mabvuto Phula (Valuation Specialist)
- Wilson Msowoya (Lands and planning Officer)
- Aubrey Macheso (Forest Officer)

Introduction was made by each participant and a brief introduction of the Project and the purpose of the meeting was made by Mr. Mabvuto Phula. He mentioned that things to discuss was solely for Mpatamanga Hydropower Project and road project compensation assessment. The questionnaire was administered by Mr. Mabvuto the questions were targeting categories listed below:

- Land acquisition, values and structures; and
- Tree species, Policies for forest management/trees conservation.

## Forest Officer Responses

Aubrey Macheso (Forest Officer)

He holds a B.Sc. Degree Environmental Studies and has 10 years of experience. Registered with Malawi physical planning board.

He stated that the common species of trees we are to find in our location of interest are exotic, and that the most valuable indigenous trees are: Tsanya, Mlombwa, Mpepe, Makalati and Phingo.

Table 20 shows some indigenous trees and their value.



Table 20: Values of Certain Indigenous Trees

Tree	Small	Medium	Large	Basis
Mkalati	3000	7000	10000	Age, girth, end use,
Thombozi	2000	5000	20000	Age, girth, end use,
Mpinjipinji	2000	5000	20000	Age, girth, end use,
Khombo	5000	10000	20000	Age, girth, end use,
Mtondo	5000	10000	20000	Age, girth, end use,
Chitimbe	5000	10000	20000	Age, girth, end use,
Mphakasa	5000	10000	20000	Age, girth, end use,
Mthethe	5000	10000	20000	Age, girth, end use,

### Charcoal Production

The National Forest Policy 2016 allows the production under license, following this procedure:

- Applicant need to write letter to Department of Forestry;
- Applicant must have sustainable source of trees;
- Letter from Chief;
- Description of land owned and the type of trees;
- Letter from Forestry Officer to District Department; and
- If approved the conveyance transfer certificate is issued.

Eventually he provided some copies of guidelines and policies for forest management.

### Land and Planning Officer Responses

Mr Msowoya possesses a B.Sc. Degree in Physical planning with 3 years of experience.

He is registered with Malawi Physical Planning Board.

Land values:

- 1 hectare = 10,000,000
- 25 by 30 = 1,000,000 (residential)
- 1 hectare = 500,000 (agriculture)
- 40 by 50 = 900,000 (institution)
- 1 hectare = 300,000-400,000 (very remote)

Construction costs

- Grass walled structure measuring 5 by 8 cost 200,000
- Sundried bricks 5 by 8 cost 1,000,000
- Burnt brick/CIR/Cement 5by 8 cost 3,000,000-4,000,000
- Pitlatrine/Sun dried 1 by 1 cost 100,000
- Kitchen/sundried 2 by 2.5 cost 250,000

The facilitator appreciated the active participation of Aubrey Macheso and Wilson Msowoya, further emphasised how this information will assist in the Project plan and implementation.

The meeting ended at 2:30 PM.



Figure 31: Meeting with Forestry and Planning Officers at Neno



# Market Survey Fruit Specialist Meeting Minutes

Date: 27<sup>th</sup> June 2025

Time: 9:30AM – 11:30 AM

Venue: Mwanza Hotel

Meeting proposed by: Mpatamanga Market Survey Team

Facilitator: Mr. Mavuto Phula (Valuation Specialist)

Note Taker: Mr. Lermos Joseph

Attendance:

- Enzo Bellini (SLR, Agronomist)
- Lermos Joseph (Valuation Surveyor)
- Mabvuto Phula (Valuation Specialist)
- Mr S. Thondoya (Fruit Trees Specialist)

Introduction was made by each participant brief introduction of the Project and the purpose of the meeting was made by Mr Mabvuto Phula. He mentioned that things to discuss was solely for Mpatamanga Hydropower Project and road project compensation assessment. The questionnaire was administered by Mr Mabvuto the questions were targeting categories listed below:

- The common species of fruit trees in the area;
- Horticulture management; and
- Fruits market.

The explanation is summarised in Table 21 below.



Table 21: Market Survey Fruit Specialist Meeting

Fruit Tree	Maturity (years)	Production Activities	Estimated Cost	Yield	Unit	Unit price @ Farm gate GMWK
Tangerines	3-4	<ul style="list-style-type: none"> <li>• 250 trees per acre</li> <li>• Seedling cost MWK 1500</li> <li>• 4 by 4 meters spacing</li> <li>• Life span 70-80 years</li> <li>• Yield decrees at 60-70 years</li> <li>• Spraying insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Land clearing 150,000</li> <li>• Making holes 350,000</li> <li>• Seedlings 125,000</li> <li>• Fertilizer 100 grams per tree per year</li> </ul>	90-100kg	Dozen	MWK 1500
Mango	3	<ul style="list-style-type: none"> <li>• 250 trees per acre</li> <li>• Seedling cost MWK 1500</li> <li>• 4 by 4 meters spacing</li> <li>• Life span 50-60 years</li> <li>• Yield decrees at 60-70 years</li> <li>• Spraying insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Land clearing 150,000</li> <li>• Making holes 350,000</li> <li>• Seedlings 500,000</li> <li>• Fertilizer 100 grams per tree per year</li> </ul>		20litres bucket  MWK 1000/ Dozen	MWK 1500-MWK 3000
Oranges	3	<ul style="list-style-type: none"> <li>• 160 trees per acre</li> <li>• Seedling cost MWK 1500</li> <li>• 5 by 5 meters spacing</li> <li>• Life span 50-60 years</li> <li>• Yield decrees at 60-70 years</li> <li>• Spraying insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Land clearing 150,000</li> <li>• Making holes 200,000</li> <li>• Seedlings 160,000</li> <li>• Fertilizer 100 grams per tree per year</li> </ul>		Dozen	MWK 1500
Bananas	1	<ul style="list-style-type: none"> <li>• suckers cost MWK 1000</li> <li>• 1.5 by 2.5 meters spacing</li> <li>• Life span 1 year</li> <li>• Spraying insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Land clearing 150,000</li> <li>• Making holes 300,000</li> <li>• suckers 300,000</li> <li>• 1 pail of manure</li> </ul>	7-10 hands average weight (1.2kg) per tree	hands	MWK 800
Guava	2-3	<ul style="list-style-type: none"> <li>• 160 trees per acre</li> <li>• Seedling cost MWK 1000</li> <li>• 5 by 5 meters spacing</li> <li>• Life span 50-60 years</li> <li>• Spraying insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Land clearing 150,000</li> <li>• Making holes 200,000</li> <li>• Seedlings 160,000</li> <li>• Fertilizer 100 grams per tree per year</li> </ul>		20litres bucket	MWK 1500-MWK 3000
Avocado	5	<ul style="list-style-type: none"> <li>• 250 trees per acre</li> <li>• Seedling cost MWK 1500</li> <li>• 4 by 4 meters spacing</li> <li>• Life span 50-60 years</li> </ul>	<ul style="list-style-type: none"> <li>• Land clearing 150,000</li> <li>• Making holes 350,000</li> <li>• Seedlings 500,000</li> </ul>			



		<ul style="list-style-type: none"> <li>• Yield decreases at 60-70 years</li> <li>• Spraying insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Fertilizer 100 grams per tree per year</li> </ul>			
Peach	3	<ul style="list-style-type: none"> <li>• 160 trees per acre</li> <li>• Seedling cost MWK 1500</li> <li>• 5 by 5 meters spacing</li> <li>• Life span 50-60 years</li> <li>• Yield decreases at 60-70 years</li> <li>• Spraying insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Land clearing 150,000</li> <li>• Making holes 200,000</li> <li>• Seedlings 160,000</li> <li>• Fertilizer 100 grams per tree per year</li> </ul>			
Pawpaw	1	<ul style="list-style-type: none"> <li>• seedlings cost MWK 1000</li> <li>• 1.5 by 2.5 meters spacing</li> <li>• Life span 1 year</li> <li>• Spraying insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Land clearing 150,000</li> <li>• Making holes 300,000</li> <li>• Seedlings 300,000</li> <li>• 1 pail of manure</li> </ul>			
Custard apple	3	<ul style="list-style-type: none"> <li>• 250 trees per acre</li> <li>• Seedling cost MWK 1000</li> <li>• 4 by 4 meters spacing</li> <li>• Life span 50-60 years</li> <li>• Yield decreases at 60-70 years</li> <li>• Spraying insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Land clearing 150,000</li> <li>• Making holes 350,000</li> <li>• Seedlings 500,000</li> <li>• Fertilizer 100 grams per tree per year</li> </ul>		20litres bucket	MWK 8000



The facilitator appreciated the active participation of Mr S.Thondoya and emphasised how this information will assist in the Project plan and implementation.

The meeting ended at 11:30 PM.



Figure 32 Meeting with a Horticulturist in Mwanza



# Market Survey Felemu Charcoal Producers Meeting Minutes

Date: 25<sup>th</sup> June 2025

Time: 11:00AM – 12:30 PM

Venue: Felemu Community hospital/clinic

Meeting proposed by: Mpatamanga Market Survey Team

Facilitator: Mr. Mavuto Phula (Valuation Specialist)

Note Taker: Mr. Lermos Joseph

Attendance:

- Enzo Bellini (SLR, Agronomist)
- Lermos Joseph (Valuation Surveyor)
- Mabvuto Phula (Valuation Specialist)
- PAPs (5 male, 7 female)

Introduction was made by each participant and brief introduction of the Project and the purpose of the meeting was made by Mr. Mabvuto Phula. He mentioned that things to discuss was solely for Mpatamanga Hydropower Project and road project compensation assessment. The interview was in form of focus group. Below are some of the issues which were discussed.

They were asked about land transaction whether for rent or sale. Haward Paulo responded by saying that land rarely change hands in the area and for rent there is no land rental transaction in the area but on the sale they said land can exchange at MWK 300,000 per acre.

Other questions were about charcoal production, and Lloyd Khuluza said that the common trees which are affected are:

- Phingo (for carving and charcoal)
- Mpepe (charcoal and wood)
- Ngongomwa (charcoal and wood)
- Mtumbu (charcoal and wood)
- Mkalati (charcoal and wood)
- Mtondo (charcoal and wood)
- Masawu (charcoal and wood)
- Mnjale (charcoal and wood)
- Msetanyani (charcoal and wood)
- Gonondo (medicinal, charcoal and wood)

They said it take one big tree or 3 small tree to fill a one big bag of charcoal which can sale at MWK 20,000. The trees for charcoal production are sourced from private owners not community or government. They don't know about registration procedures of legal charcoal production. The charcoal produced is taken to Blantyre by lorries.

They also raised an issue that the asset inventory team lacks transparency in counting and recording the trees, claiming they don't know how many trees are affected by the Project.



The facilitator appreciated the active participation PAPs and emphasised how this information will assist in the Project plan and implementation.

The meeting ended at 12:30 PM.



Figure 33: Meeting with Charcoal Producers at Feremu in Neno



# Market Survey Ranch Owner Meeting Minutes

Date: 07<sup>th</sup> July 2025

Time: 8:30AM – 9:30 AM

Venue: Lotus Hotel

Meeting proposed by: Mpatamanga Market Survey Team

Facilitator: Mr. Mavuto Phula (Valuation Specialist)

Note Taker: Mr. Lermos Joseph

Attendance:

- Enzo Bellini (SLR, Agronomist)
- Lermos Joseph (Valuation Surveyor)
- Mabvut Phula (Valuation Specialist)
- Max Mlombwa (Ranch owner)
- Clement Repussard (SLR –RAP- Project Manager)

Introduction was made by each participant brief introduction of the Project and the purpose of the meeting was made by Mr Mabvuto Phula. He mentioned that things to discuss was solely for Mpatamanga Hydropower Project and road project compensation assessment. The questionnaire was administered by Mr Mabvuto the questions were targeting categories listed below:

- Ranch business;
- Structures;
- Employees; and
- Ownership and registration of subject land.

Below are the responses of Max Mlombwa (Ranch Owner):

He trades under Titatu investment, the land is not registered yet, the registration is in process.

Titatu Farm- started operating in, 2011 operating, the land was bought in small parcels, activities on the farm are:

- Ranching-animal keeping -cattle, goats, sheep
- Beekeeping-15 beehives
- Agrofarming-2 ha- but no farming in the past two years
- Employment-8 permanent staff:
  - Tractor driver
  - Veterinary specialist
  - Supervisor
  - Herdsmen
  - Housekeeper



- Temporary/seasonal, not reporting daily-5 women-cutting grass for hay in preparation for dry season. Filling water in the troughs.
- Beehive keeper

The size of the land is approximately 340 ha- the last time it was surveyed.

One close to Shire compound

Below are developments/activities/assets on the compound:

- Two staff houses, one sheep and one goat kraals
- Shade for the staff
- Hay making shade
- 3 cattle kraals
- Perimeter wire
- Two kitchens
- Cattle- 212 beef- local breeds-80, 9 brangas, rest are brahman
- Goats-125
- Sheep-25

Upper land compound

Below are developments/activities/assets on the compound:

- Semi detached
- Toilet
- Kitchen
- Caretaker house
- Chicken house
- Block of three rooms/house
- Borehole -90 m deep

Business activities:

- Dipping once every month
- Lots of ticks in hot seasons
- Monthly inspections
- Inject them once a month

Cost of feeding and caring for animals (these costs include temporary workers):

- MWK 1,500,000- 1<sup>st</sup> three months
- MWK 2,500,000- 2<sup>nd</sup> three months (hay making)
- MWK 5,000,000 - 3<sup>rd</sup> three months (hay making)
- MWK 6,000,000 - 4<sup>th</sup> three months (buying maize bran, maize stork and morasses)
- MWK 5 million for medicine
- Salaries-MWK 700,000.00

Supervisor- MSCE-with experience. Veterinary- retired-graduate

25 animal losses per year (this varies with season, care and population of animals)



Sales of live animals:

- Cattle:
  - Sale of live animals- cattle- MWK 700,000 per cattle (average) for rearing for the mixed-15 per year
  - For pure bleed MWK 1500000- 9 cattle sold last year
- Goats/sheep:
  - goats are sold live only not slaughtered
  - Goats-live sold-males-MWK 100,000 per goat- 20 per year sold
  - Sheep-MWK 200, 000.per sheep

Sales of slaughtered/beef:

- Locals-sold as carcasses -kg-MWK 10,000/kg—20 cattle slaughtered and sold in 2024
- Average weight – local bleed 500kg and high bleed 700kg
- Goats-live sold-males-MWK 100,000 per goat- 20 per year sold
- Sheep-MWK 200,000 per sheep

Bee honey:

- Harvesting once in a year (May and June)
- MWK 20,000 per month
- Each beehive produces 15-20 litres
- 500g- sold at MWK 3,000 per bottle

He added that he has another farm close to Majete game reserve there he keeps few animals he is planning to make that land for tourism business, dairy farming, he also mentioned of sharing the business records.

#### Questions/answers

**Question:** He asked if he is affected by the Project and if the Project can involve him in environmental conservation.

**Answer:** According to the Project plan, his land will be affected by the small reservoir. He added that the Project's final project feasibility will be out probably next year. He advised that if he has any concerns or needs some clarification he should contact the Project team (Clement Repussard).

The facilitator appreciated the active participation of Mr Max Mlombwa and emphasised how this information will assist in the Project plan and implementation.

The meeting ended at 9:30 AM.



# Market Survey Forest Plantations Manager Meeting Minutes

Date: 08<sup>th</sup> July 2025

Time: 9:30AM – 11:30 AM

Venue: Department of Forestry Blantyre

Meeting proposed by: Mpatamanga Market Survey Team

Facilitator: Mr. Mavuto Phula (Valuation Specialist)

Note Taker: Mr. Lermos Joseph

Attendance:

- Enzo Bellini (SLR, Agronomist)
- Lermos Joseph (Valuation Surveyor)
- Mabvut Phula (Valuation Specialist)
- Feston Chitseko (Forest Plantations Manager)

Introduction was made by each participant brief introduction of the Project and the purpose of the meeting was made by Mr. Mabvuto Phula. He mentioned that things to discuss was solely for Mpatamanga Hydropower Project and road project compensation assessment. The questionnaire was administered by Mr. Mabvuto the questions were targeting categories listed below;

- Tree species and their rates; and
- Policies for forest/trees conservation.

Below are the responses of Feston Chitseko (Forest Plantations Manager):

He holds a B.Sc. Degree forestry and environmental management and has 15 years' experience.

And currently pursuing a Master's degree in environmental science, he stated that the common species of trees we are to find in our location of interest are exotic, and that the most valuable indigenous trees are; M'bawa and Mlombwa.

The Department of Forestry normally keep exotic trees for environmental conservation but they also concentrate on exotic for business.

When determining the value of the tree they look at its end use.

About charcoal production; is legal if one acquires license from the Department of Forestry, to obtain a license must have; well established forest, submit management plan and then inspection is done, if the department is satisfied the director approves and license is issued. One example of licensed charcoal producer is Kawandama forest in the northern region and mostly these licensed organisations/individuals use exotic trees.

The indigenous trees use and maturity: Most of the indigenous are used for timber, wood, soil and water conservation and carvings. The maturity of the most indigenous trees is between 60-80 years.

Price of seedlings: All the indigenous trees seedlings are sold at MWK 750, while exotic ranges from MWK 500 to MWK 1,000.



About the rates of trees, he said they are still using the old gazette.

The facilitator appreciated the active participation of Feston Chitseko and emphasised how this information will assist in the Project plan and implementation.

The meeting ended at 11:30 PM.



# Market Survey Principal Valuation Officer Meeting Minutes

Date: 08<sup>th</sup> July 2025

Time: 9:30AM – 11:30 AM

Venue: Ministry of Lands Blantyre

Meeting proposed by: Mpatamanga Market Survey Team

Facilitator: Mr. Mavuto Phula (Valuation Specialist)

Note Taker: Mr. Lermos Joseph

Attendance:

- Enzo Bellini (SLR, Agronomist)
- Lermos Joseph (Valuation Surveyor)
- Mabvuto Phula (Valuation Specialist)
- Elizabeth Tizola (Principal Valuation Officer)

Introduction was made by each participant brief introduction of the Project and the purpose of the meeting was made by Mr. Mabvuto Phula. He mentioned that things to discuss was solely for Mpatamanga Hydropower Project and road project compensation assessment. The questionnaire was administered by Mr. Mabvuto the questions were targeting categories listed below:

- Land values along the corridor
- Rate per square meter of structures

Below are the responses of Elizabeth Tizola (Principle Valuation Officer):

She holds a Bsc Degree in Estate Management and has 15 years of experience.

Table 22 below shows her contribution in the rate of structures per square meter.



Table 22: Compensation Rates for Structures

Structure Category	Description		Unit	Unit rate	
				MWK	USD
Houses	H1	Walls: mud and wattle-composed of poles, Thatched roof	m <sup>2</sup>		
	H2	Walls: sundried bricks – earth floor – windows glazed, Thatched roof	m <sup>2</sup>	40,000.00	
	H3	Walls: burnt bricks – earth floor – windows glazed, Thatched roof	m <sup>2</sup>	60,000.00	
	H4	Walls: sundried bricks – earth floor – windows glazed in wooden frames, Roof: Corrugated Iron Sheets	m <sup>2</sup>	80,000.00	
	H5	Walls: Burnt bricks – earth floor – windows glazed in wooden frames, Roof: Corrugated Iron Sheets	m <sup>2</sup>	100,000.00	
	H6	Walls: Burnt bricks – cement floor – windows glazed in wooden frames, Roof: Corrugated Iron Sheets	m <sup>2</sup>	130,000.00	
	H7	Walls: Burnt bricks – cement floor, Plastered inside – windows glazed, Roof: Corrugated Iron Sheets	m <sup>2</sup>	150,000.00	
	H8	Walls: Burnt bricks – cement floor, plastered inside and outside – windows glazed, Roof: Corrugated Iron Sheets	m <sup>2</sup>	180,000.00	
	H9	Walls: Burnt bricks – cement floor, plastered inside and outside - painted- windows glazed, Roof: Corrugated Iron Sheets	m <sup>2</sup>	200,000.00	
	H0	Other (specify) (advanced)	m <sup>2</sup>	300,000.00	
Foundations	FOUND1	Sun dried bricks bounded with mud mortar - earth floor	m <sup>2</sup>	10,000.00	
	FOUND2	Sun dried bricks bounded with mud mortar - cement floor	m <sup>2</sup>	15,000.00	
	FOUND3	Burnt bricks bounded with mud mortar - earth floor	m <sup>2</sup>	20,000.00	
	FOUND4	Burnt bricks bounded with cement mortar - earth floor	m <sup>2</sup>	30,000.00	
	FOUND5	Burnt bricks bounded with cement mortar - cement floor	m <sup>2</sup>	50,000.00	
	FOUND0	Other (specify)	m <sup>2</sup>		
Window level	WIN1	Sun dried bricks bounded with mud mortar - earth floor	m <sup>2</sup>	20,000.00	
	WIN2	Sun dried bricks bounded with mud mortar - cement floor	m <sup>2</sup>	25,000.00	
	WIN3	Burnt bricks bounded with mud mortar - earth floor	m <sup>2</sup>	30,000.00	
	WIN4	Burnt bricks bounded with cement mortar - earth floor	m <sup>2</sup>	40,000.00	
	WIN5	Burnt bricks bounded with cement mortar - cement floor	m <sup>2</sup>	70,000.00	
	WIN0	Other (specify)	m <sup>2</sup>		
Gable level	GAB1	Sun dried bricks bounded with mud mortar - earth floor	m <sup>2</sup>	30,000.00	
	GAB2	Sun dried bricks bounded with mud mortar - cement floor	m <sup>2</sup>	40,000.00	
	GAB3	Burnt bricks bounded with mud mortar - earth floor	m <sup>2</sup>	50,000.00	
	GAB4	Burnt bricks bounded with mud mortar - cement floor	m <sup>2</sup>	80,000.00	
	GAB5	Burnt bricks bounded with cement mortar - cement floor	m <sup>2</sup>	100,000.00	
	GAB0	Other (specify)	m <sup>2</sup>	150,000.00	



Bench	BEN1	Timber poles and corrugated iron sheets		20,000.00	
	BEN2	Grass thatched with timber poles		10,000.00	
	BEN3	Burnt bricks with cement mortar		30,000.00	
	BEN0	Other (specify) with reeds half wall		15,000.00	
Commercial building	COM1	Walls: mud and wattle-composed of poles, Thatched roof	m <sup>2</sup>		
	COM2	Walls: sundried bricks – earth floor – windows glazed, Thatched roof	m <sup>2</sup>		
	COM3	Walls: burnt bricks – earth floor – windows glazed, Thatched roof	m <sup>2</sup>		
	COM4	Walls: sundried bricks – earth floor – windows glazed in wooden frames, Roof: Corrugated Iron Sheets	m <sup>2</sup>		
	COM5	Walls: Burnt bricks – earth floor – windows glazed in wooden frames, Roof: Corrugated Iron Sheets	m <sup>2</sup>		
	COM6	Walls: Burnt bricks – cement floor – windows glazed in wooden frames, Roof: Corrugated Iron Sheets	m <sup>2</sup>		
	COM7	Walls: Burnt bricks – cement floor, Plastered inside - windows glazed, Roof: Corrugated Iron Sheets	m <sup>2</sup>		
	COM8	Walls: Burnt bricks – cement floor, plastered inside and outside - windows glazed, Roof: Corrugated Iron Sheets	m <sup>2</sup>		
	COM9	Walls: Burnt bricks – cement floor, plastered inside and outside - painted- windows glazed, Roof: Corrugated Iron Sheets	m <sup>2</sup>		
	COM0	Other (specify)	m <sup>2</sup>		
Boys quarter	BQ1	Sun-dried brick	m <sup>2</sup>		
	BQ2	Burnt brick	m <sup>2</sup>		
	BQ3	Mud wattle	m <sup>2</sup>		
	BQ4	Grass/Reed	m <sup>2</sup>		
	BQ0	Other	m <sup>2</sup>		
Shade (Leisure shade and kiosk shade)	LS1	Open walls, Corrugated iron sheets with timber poles	m <sup>2</sup>		
	LS2	Open walls, Corrugated iron sheets with bricks and mud mortar	m <sup>2</sup>		
	LS3	Open walls, Corrugated iron sheets with bricks and cement mortar	m <sup>2</sup>		
	LS4	Thatched grass with timber poles	m <sup>2</sup>	15,000.00	
	LS5	Thatched grass with bricks and mud mortar	m <sup>2</sup>	25,000.00	
	LS6	Walls: grass thatched walls, Roof: Corrugated Iron Sheets		25,000.00	
	LS6	Walls: Corrugated Iron Sheets, Roof: Corrugated Iron Sheets		35,000.00	
	LS0	Other	m <sup>2</sup>		
Stove	STV1	Burnt bricks with mud mortar	m <sup>2</sup>		
	STV2	Burnt bricks with cement mortar	m <sup>2</sup>		
	STV3	Other (specify)	m <sup>2</sup>		



Booth (Aitel & TNM)	BT1	Walls: Corrugated Iron Sheets, Roof: Corrugated Iron Sheets	m <sup>2</sup>	350,000.00	2by 2=250000 if movable
	BT2	Walls: Plywood, Roof: Corrugated Iron Sheets	m <sup>2</sup>	350,000.00	Anything less=200000 if movable
	BT3	Other (specify)	m <sup>2</sup>		
Kitchen	K1	Kitchen – Grass-walled with poles	m <sup>2</sup>	10,000.00	
	K2	Kitchen – Grass-walled with poles and Thatched roof	m <sup>2</sup>	15,000.00	
	K3	Kitchen – walls: sundried bricks, earth floor and Thatched roof	m <sup>2</sup>		
	K4	Kitchen – walls: sundried bricks, earth floor and Roof: Corrugated Iron Sheets	m <sup>2</sup>		
	K5	Kitchen – walls: burnt bricks, earth floor and Roof: Corrugated Iron Sheets	m <sup>2</sup>		
	K0	Other (specify)	m <sup>2</sup>		
Latrine	L1	Pit latrine – pole and grass walled	m <sup>2</sup>	60,000.00	
	L2	Pit latrine– wall: sundried bricks, earth floor, thatched roof	m <sup>2</sup>	70,000.00	
	L3	Pit latrine – wall: burnt bricks, earth floor, thatched roof	m <sup>2</sup>	80,000.00	
	L0	Other (specify)	m <sup>2</sup>		
Bathroom	B1	Bathroom-grass-walled and poles	m <sup>2</sup>	10,000.00	
	B2	Bathroom walls: sun dried bricks – earth floor, thatched roof	m <sup>2</sup>	15,000.00	
	B0	Other (specify)	m <sup>2</sup>		
Kraal	KR1	Poles	m	8,000.00	
	KR2	Reed	m	3,000.00	
	KR3	Trunks	m	5,000.00	
	KR4	Bricks	m	1,500.00 / 10,000.00	
	KR0	Other kraal	m <sup>2</sup>		
Hangar	HG1	Sun-dried brick	m <sup>2</sup>		
	HG2	Burnt brick	m <sup>2</sup>		
	HG3	Mud wattle	m <sup>2</sup>		
	HG4	Grass/Reed	m <sup>2</sup>		
	HG0	Other	m <sup>2</sup>		
Chicken house	CH1	Sun-dried brick	m <sup>2</sup>		
	CH2	Burnt brick	m <sup>2</sup>		
	CH3	Mud wattle	m <sup>2</sup>		
	CH4	Grass/Reed	m <sup>2</sup>		
	CH0	Other	m <sup>2</sup>		
Pigsty	PG1	Pigsty trunks	m <sup>2</sup>	consider the rates of similar	



				structures as in category 1 above	
	PG2	Sundried bricks and grass pigsty	m <sup>2</sup>		
	PG0	Other	m <sup>2</sup>		
Pigeonry	PI1	Bamboo and grass thatched	m <sup>2</sup>		
	PI0	Other	m <sup>2</sup>		
Granary	G1	Sun-dried brick	m <sup>2</sup>		
	G2	Burnt brick	m <sup>2</sup>		
	G3	Mud wattle	m <sup>2</sup>		
	G4	Grass/Reed	m <sup>2</sup>		
	G0	Other	m <sup>2</sup>		
Collective asset	COL1	Grave	m <sup>2</sup>		
	COL2	Graveyard	m <sup>2</sup>	Department of Antiquities	
	COL3	Sacred tree	m <sup>2</sup>		
	COL4	Mosque	m <sup>2</sup>		
	COL5	Church	m <sup>2</sup>		
	COL6	School	m <sup>2</sup>		
	COL7	Pre-school / kindergarten	m <sup>2</sup>		
	COL8	Borehole	m <sup>2</sup>		
	COL9	Water point	m <sup>2</sup>		
	COL14	Police station	m <sup>2</sup>		
	COL11	Forest	m <sup>2</sup>		
	COL12	Nursery	m <sup>2</sup>		
	COL13	Hospital	m <sup>2</sup>		
	COL0	Other (specify)	m <sup>2</sup>		
Fence	F1	Poles and grass	m		
	F2	Sun-dried bricks	m		
	F3	Burnt bricks	m	40,000.00	
	F0	Other (specify)	m		
Sign post	SP1	Burnt bricks bounded with cement mortar - plastered and painted			
	SP2	Metal standing on metal poles			
	SP0	Other (specify)			
	O0	Other (specify)			



About kiosks she explained that they set a ramp some amount of MWK 250,000 for a 2m by 2m and MWK 200,000 for any kiosk less than 2m by 2m.

Sign posts: MWK 250,000-300,000 for a small and MWK 600,000 for extra large.

About the graveyard or tombstone, she said the value is proposed by the PAP and can be negotiated.

The facilitator appreciated the active participation of Elizabeth Tizola and emphasised how this information will assist in the Project plan and implementation.

The meeting ended at 11:30 PM.



# Market Survey Estate Agent Meeting Minutes

Date: 07<sup>th</sup> July 2025

Time: 9AM – 10:30 AM

Venue: Lotus Hotel

Meeting proposed by: Mpatamanga Market Survey Team

Facilitator: Mr. Mavuto Phula (Valuation Specialist)

Note Taker: Mr. Lermos Joseph

Attendance:

- Enzo Bellini (SLR, Agronomist)
- Lermos Joseph (Valuation Surveyor)
- Mabvut Phula (Valuation Specialist)
- Charles Saini (Estate Agent)

Introduction was made by Mabvuto Phula by each participant brief introduction of the Project and the purpose of the meeting was done by Mr. Mabvuto Phula. He mentioned that things to discuss was solely for Mpatamanga Hydropower Project and road project compensation assessment. The questionnaire was administered by Mr. Mabvuto the questions were targeting categories listed below:

- Agriculture (seasonal/irrigated) land transactions along the subject road;
- Commercial land;
- Residential land; and
- Residential and commercial structures for rent.

Below are the responses of Charles Saini (Estate Agent):

He has been in business for over 5 years

He is in process of registering with registrar of business- Agent Association of Malawi -southern chapter.

He started as house agent but currently he concentrates on land business, so he listed some land transactions he has made the past 5 years:

- Residential/Commercial structures transactions
  - 3 br house with no electricity, no tile, no ceiling, @ Mpinganjira, MWK 8.5mn, 2024
  - @ St George Secondary School, 3 br house, stores, dining, no ceiling, no ceiling, 30m/40 m plot, with brick fence, self-contained, MWK 14.5mn
  - Asking price, MWK 25mn, 2 houses, @ mpinganjira
- Land transactions
  - @Kanjedza, 1.2 acres, MWK 3.8MN in Feb 2025
  - @ kanjedza, 40 m by 40 , MWK 2.8mn in Jan 2025
  - @Chikuli, 25/25m, MWK 950,000.00, located at 600m from the road, Jan 2025



- @chikuli, 20/28m , MWK 1.2mn, jan 2025
- @kaliati, 60/40, MWK 2.6mn, 2025
- Farms
  - @Chikuli, close to Nkomadzi River, 40 ha, May, 2025, MWK 450,000.00/ ha,
  - @before kaliati Trading centre, 50 acres, @MWK 350,000 per acre, March 2025
  - @before Kaliati TC, 10 Acres, @MWK 450,000 per acre
  - @Kaliati, 20 Acres, June, 2025, MWK 450000 per acre
  - @Chimkwinya, close to Mpatamanga, for farming, 3030ha @MWK 650,000 per ha, Oct, 2024
  - @Lisangwi, next to Chimkwenya, 25 acres, @MWK 350,000 per acre, 2025
  - @ Group Kaliati, up to the river, 60 ha, @MWK 420,000 per acre, 16 march, 2025
  - @Lisangwi Vge, Group kaliati (before Chaswanthaka) MWK 300,000 per acre, 200 acres
  - @Inosi, (before Chaswanthaka) 20 ha @ MWK 12mn, 2024, along Shire River
  - @chaswanthaka, along Shire River, 11ha @MWK 550,000.00 per ha in Aug 2024
  - @ Mpindo, 76ha @280,000 per ha in 2023
  - @Divala, 40 ha, MWK 300,000 per acre, 2024 Aug
  - @mpindo, 200 acres, MWK 450,000/acre-Asking price At Nkajidi river
  - @along Shire, @MWK 550,000 per acre, 20ha for sell
- Neno
  - 40 ha, asking price MWK 32mn, close to a seasonal river, MWK 800,000 per ha on sale
  - @zalewa, 1.5km @MWK 650000 per acre, 84 acres on sale
  - Along Lisungwi river, dimba, 5acres, MWK 2.8mn, 2025 sold
  - @behind Chileka Airport, 6 acres @ MWK 12mn
- Chikwawa
  - 52 ha, at Bwalo, MWK 400,000 per ha, 2022
  - Supuni, along chapananga road, 25 ha, MWK 350000, 2022
  - @Nchalo, 10 km deep from the road, 25 ha, MWK 400,000 per acre 2025
  - 96 acres, @MWK 420,000 per acre on sale, 15 minutes from Boma to kapichira
  - 30 acres, MWK 7mn, in Pende Village on sale

He added that he advertises his business on WhatsApp and Facebook and most business comes through recommendations from former clients.

The facilitator appreciated the active participation of Mr. Charles Saini and emphasised how this information will assist PAPs and the Project in general.

The meeting ended at 10:30 PM.



# Market Survey Blantyre ADD Meeting Minutes

Date: 02<sup>nd</sup> July 2025

Time: 9:00PM – 10:30PM

Venue: Blantyre ADD (Chilimba Offices)

Meeting proposed by: Mpatamanga Market Survey Team

Facilitator: Mr. Mavuto Phula (Valuation Specialist)

Note Taker: Mr. Lermos Joseph

Attendance:

- Enzo Bellini (SLR, Agronomist)
- Lermos Joseph (Valuation Surveyor)
- Mabvuto Phula (Valuation Specialist)
- Owen Malimbe (Agriculture Crops)
- Linda Msiska (Agriculture Crops)
- Tiyankhuleni Chinkhande (Agriculture Crops)
- Osman Mdala (Agriculture off Crops)
- Thokozani Mwape (Agribusiness Officer)

Introduction was made by each participant and a brief introduction of the Project and the purpose of the meeting was made by Mr. Mabvuto Phula. He mentioned that things to discuss was solely for Mpatamanga Hydropower Project and road project compensation assessment. The questionnaire was administered by Mr. Mabvuto the questions were targeting categories listed below:

- Common crops in the area; and
- Production costs, yield and markets.

The interview started with common crops grown in the area which are; millet, maize, soya, pigeon peas, sorghum, sweet potato, cow peas, cotton, wheat and beans.

Mango, banana, orange, tangerines, lemon, guava, pawpaw, were listed as common fruits grown in the area.

Livestock production: Livestock was not discussed on this day because the livestock/veterinary officer was not present.

The additional information on the cost of production and markets were said to be provided in the annual reports.

The facilitator appreciated the active participation of Agriculture officers at Blantyre ADD and emphasised how this information will assist in the Project plan and implementation.

The meeting ended at 10:30 PM.



# Signed Attendance Sheets

Date: 23/06/2025 Location: MPH office  
 Project: HEALTH & SAFETY Stakeholder Type: MPH

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Masvito Phua	M	C12-Value	0994292105	
2	Enzo Bellini	M	SLR	0980531782	
3	John Miza Ajjenda	M	HSS MPH	0992186267	
4	ICRANI JOSEPH	M	C12-Value	0999766888	
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Date: 25/06/2025 Location: NRI/WALI  
 Project: MARKET SURVEY Stakeholder Type: CHARCOAL PRODUCER

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Petera Yelamu	ma		0896291905	P-E
2	Lufasi Green	ma		0880547783	GREEN
3	Lindan Chirpa	M			L.C
4	Frankton Lusaco	ma		0896382562	F.L
5	Robert Sambo	ma			
6					
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11					
12					



Date: 25/06/2025  
 Project: MARKET SURVEY  
 Location: Felemu Village  
 Stakeholder Type: CHARCOAL PRODUCER

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Maithe Kang	M		0857 71278	M.K.
2	Toto Kapa29	M			T. Kapa29
3	Ganet Alfred	M			SIANETI
4	Joshua Clarke	M		0857 71278	J.C.
5	Lopez Samuel	M		0851535924	S.
6	Favor Mkepa	M		085 666 9928	F.M.
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Date: 25/06/2025  
 Project: MARKET SURVEY  
 Location: Felemu Village  
 Stakeholder Type: AFFECTED PAP

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Stavros Fokas	M			S.F.
2	Harold Paulo	F			H. Paulo
3	Nathan Fimbais	F			N.F.
4	Lopez Samuel	M		0851535924	S.
5	Kesilys David	F			K.D.
6	Kevant Saulat	F			L.S.
7	Lloyd Kulu29	M		0856610213	L.K.
8	Isidoro Paulo	M		085 6536016	I.P.
9	Ruth Mouta	F			R.M.
10	Matemba Semela	M		0858514627	MATEMBA
11	John Skingia	M			J.S.
12	Pepuss Raphael	F		0851536187	P.R.



Date: 02/07/2026

Location: SIGNATURE ADD

Project: MARKET SURVEY

Stakeholder Type: BF ADD

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Dwezi Malinda	M	AGRICULTURE-CROPS	0884560855	
2	Linda Msiska	F	AGRICULTURE-CROPS	0881198491	
3	Tuyankhuleni Chinkhanda	F	Agriculture-crops	0993103286	
4	Oswan Mdela	M	Agriculture of-crops	0888516111	
5	Indlezeni Muzipa	M	Agriculture officer	0799111011	
6	Enzo Bellini	M	SLR Agronomist	-	
7	Lorna Joseph	M	C12-Valuer	0999796846	
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Date: 07/07/2025

Location: BT - Lotus Hotel

Project: MARKET SURVEY

Stakeholder Type: MEETING MR. MLOMBE

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Lorna Joseph	M	C12-Valuer	0728746596	
2	Enzo Bellini	M	SLR agronomist	-	
3	Clément Repassard	M	SLR RAP Project Manager	43604523146	
4	Max Mlomba	M	Titaku Investments	4265999865500	
5	Mabvuto Phala	M	C12-Valuer	0994292105	
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Date: 08/07/2025 Location: Forest department, Limbe  
 Project: MARKET SURVEY Stakeholder Type: FORESTRY DEPT

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Kernas Joseph	M	C12 - Valuer	0991746846	
2	Enzo Bellini	M	SLR - agronomist	-	
3	Mabuto Phala	M	C12 - Valuer	0994292105	
4	Festa Chitsero	M	Forestry	0888265244	
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Date: 08/07/2025 Location: Ministry of Lands PT  
 Project: MARKET SURVEY Stakeholder Type: P1 Valuer, OFFICER

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Kernas Joseph	M	C12 - Valuer	0991746846	
2	Elizabeth Tzola	F	P1 Valuation Officer	0999771379	
3	Enzo Bellini	M	SLR agronomist	-	
4	Mabuto Phala	M	C12 - Valuer	0994292105	
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Date: 29/02/2025 Location: LOTUS HOTEL  
 Project: MARKET SURVEY Stakeholder Type: CUSTOMERS

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Lerna TORA	m	E12. Valuator	09997746346	
2	Charles Sanni	m	Real estate agent	0884473345	
3	Enzo Bellini	M	SLR agronomist	-	
4	Mabuto Phula	M	C12 - Valuer	0994292105	
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## Annex III - Equivalence Between Class and Indigenous Tree Species



Table 23: Tree Indigenous Species and Class

Tree Species	Class
African Cypress	1 or 6
African Juniper	1 or 6
African Teak	1 or 6
Baobab	1 or 6
Mgunda	1 or 6
Msimbiti	1 or 6
Mukarikari, Mululiu	1 or 6
Natal Mahogany	1 or 6
Pod Mahogany	1 or 6
Red Mahogany	1 or 6
African Blackwood	2, 3, 4 or 5
African Cechechu	2, 3, 4 or 5
Anthuamwai	2, 3, 4 or 5
Balitsa	2, 3, 4 or 5
Buffalo Thorn	2, 3, 4 or 5
Bwazi	2, 3, 4 or 5
Bwemba	2, 3, 4 or 5
Chalamina	2, 3, 4 or 5
Changaluchi	2, 3, 4 or 5
Chidya changa	2, 3, 4 or 5
Chidyabusa	2, 3, 4 or 5
Chigoma	2, 3, 4 or 5
Chigwada	2, 3, 4 or 5
Chikanga / Chikango	2, 3, 4 or 5
Chilengedwe	2, 3, 4 or 5
Chilenje	2, 3, 4 or 5
Chilusa	2, 3, 4 or 5
Chimwale	2, 3, 4 or 5
Chimwamba	2, 3, 4 or 5
Chinama	2, 3, 4 or 5
Chipakasa	2, 3, 4 or 5
Chipembere	2, 3, 4 or 5
Chiphabulu	2, 3, 4 or 5
Chiphankhuku	2, 3, 4 or 5
Chipuja	2, 3, 4 or 5
Chironya	2, 3, 4 or 5
Chisale	2, 3, 4 or 5
chisekese	2, 3, 4 or 5
Chisiyo	2, 3, 4 or 5
Chisomo	2, 3, 4 or 5
Chiteta	2, 3, 4 or 5
Chitimbe	2, 3, 4 or 5
Chitontho	2, 3, 4 or 5
Chitonya	2, 3, 4 or 5
Chiumbu	2, 3, 4 or 5
Chiwusa	2, 3, 4 or 5
Chiyango	2, 3, 4 or 5
Chocolate Berry	2, 3, 4 or 5
Dagwe	2, 3, 4 or 5
Dama	2, 3, 4 or 5



Dangwe	2, 3, 4 or 5
Dima	2, 3, 4 or 5
Duiker Berry	2, 3, 4 or 5
Futsa	2, 3, 4 or 5
Gongoma	2, 3, 4 or 5
Gongoni	2, 3, 4 or 5
Gonje	2, 3, 4 or 5
Gonkhowe	2, 3, 4 or 5
Gonondo	2, 3, 4 or 5
Gowa	2, 3, 4 or 5
Guluwu	2, 3, 4 or 5
Gundanjili	2, 3, 4 or 5
Ina	2, 3, 4 or 5
Indian Jujube	2, 3, 4 or 5
Indian Plum	2, 3, 4 or 5
Jacaranda	2, 3, 4 or 5
Jujube	2, 3, 4 or 5
Kabaliwali	2, 3, 4 or 5
Kachere	2, 3, 4 or 5
Kachipande	2, 3, 4 or 5
Kachumbe	2, 3, 4 or 5
Kadawati	2, 3, 4 or 5
Kadyabusa	2, 3, 4 or 5
Kadze	2, 3, 4 or 5
Kafupa	2, 3, 4 or 5
Kagolo	2, 3, 4 or 5
Kakhome	2, 3, 4 or 5
Kakolongo	2, 3, 4 or 5
Kakolongwe	2, 3, 4 or 5
Kakongo	2, 3, 4 or 5
Kakope	2, 3, 4 or 5
Kakwiyo	2, 3, 4 or 5
Kalango	2, 3, 4 or 5
Kalindo	2, 3, 4 or 5
Kamoto	2, 3, 4 or 5
Kamphande	2, 3, 4 or 5
Kangaluhe / Kangaluje / Kangalunje	2, 3, 4 or 5
Kanjedza	2, 3, 4 or 5
Kankhande	2, 3, 4 or 5
Kapale	2, 3, 4 or 5
Kapande	2, 3, 4 or 5
Kapangale / Kapangali / Kapangare	2, 3, 4 or 5
Kapasule	2, 3, 4 or 5
Kaphwani	2, 3, 4 or 5
Kasokole / Kasokolowe / Kasongole / Katsokobwe / Katsokolowe / Katsongole	2, 3, 4 or 5
Kathula	2, 3, 4 or 5
Kavalansinga	2, 3, 4 or 5
Khalagongoni	2, 3, 4 or 5
Khalapamwala	2, 3, 4 or 5
Khobo	2, 3, 4 or 5
Live-long	2, 3, 4 or 5



Lumphansato	2, 3, 4 or 5
Luzi	2, 3, 4 or 5
Maginiziyamu	2, 3, 4 or 5
Makangadza	2, 3, 4 or 5
Makayera	2, 3, 4 or 5
Malindi	2, 3, 4 or 5
Manjaatali	2, 3, 4 or 5
Mapoza	2, 3, 4 or 5
Marula	2, 3, 4 or 5
Masamba otuwa	2, 3, 4 or 5
Masambabiliwiri	2, 3, 4 or 5
Masawo	2, 3, 4 or 5
Masuko	2, 3, 4 or 5
Mateme	2, 3, 4 or 5
Matowo	2, 3, 4 or 5
Mbalambala	2, 3, 4 or 5
Mbalitsa	2, 3, 4 or 5
Mbawa / Mbawe / Mbewe	2, 3, 4 or 5
Mbilima	2, 3, 4 or 5
Mboma	2, 3, 4 or 5
Mbwabwa	2, 3, 4 or 5
Mchacha	2, 3, 4 or 5
Mchalamila	2, 3, 4 or 5
Mchenga	2, 3, 4 or 5
Mchenje	2, 3, 4 or 5
Mchenjemadzi	2, 3, 4 or 5
Mdima	2, 3, 4 or 5
Mfula	2, 3, 4 or 5
Mfulamadzi	2, 3, 4 or 5
Mfungu	2, 3, 4 or 5
Mgongoni	2, 3, 4 or 5
Mgoza	2, 3, 4 or 5
Minga	2, 3, 4 or 5
Mkakope	2, 3, 4 or 5
Mkalapampando	2, 3, 4 or 5
Mkalati	2, 3, 4 or 5
Mkandakhuku / Mkandankhuku	2, 3, 4 or 5
Mkandanyalugwe	2, 3, 4 or 5
Mkangala	2, 3, 4 or 5
Mkhalapamwala	2, 3, 4 or 5
Mkolasinga	2, 3, 4 or 5
Mkolobwe	2, 3, 4 or 5
Mkota	2, 3, 4 or 5
Mkotamo	2, 3, 4 or 5
Mkunkhu	2, 3, 4 or 5
Mkuyu	2, 3, 4 or 5
Mkwapukwapu	2, 3, 4 or 5
Mlabe	2, 3, 4 or 5
Mlambe	2, 3, 4 or 5
Mlaza	2, 3, 4 or 5
Mlembela	2, 3, 4 or 5
Mlenje	2, 3, 4 or 5



Mlombo	2, 3, 4 or 5
Mlombwa	2, 3, 4 or 5
Mlonde	2, 3, 4 or 5
Mlunguzi	2, 3, 4 or 5
Mmangatimba	2, 3, 4 or 5
Mombo	2, 3, 4 or 5
Monkey Guava	2, 3, 4 or 5
Monkey Orange	2, 3, 4 or 5
Monkey Thorn	2, 3, 4 or 5
Mpagala	2, 3, 4 or 5
Mpakasa	2, 3, 4 or 5
Mpambadzi	2, 3, 4 or 5
Mpando	2, 3, 4 or 5
Mpeletsa	2, 3, 4 or 5
Mpepe	2, 3, 4 or 5
Mphabulu	2, 3, 4 or 5
Mphando	2, 3, 4 or 5
Mphandula	2, 3, 4 or 5
Mphangala	2, 3, 4 or 5
Mphankhuku	2, 3, 4 or 5
Mphasa	2, 3, 4 or 5
Mphepo	2, 3, 4 or 5
Mphukusu	2, 3, 4 or 5
Mpindansato	2, 3, 4 or 5
Mpinjipinji	2, 3, 4 or 5
Mpira	2, 3, 4 or 5
Mpoloni	2, 3, 4 or 5
Mpoza	2, 3, 4 or 5
Mpukusa	2, 3, 4 or 5
Mpululu	2, 3, 4 or 5
Msambamafumu	2, 3, 4 or 5
Msangu	2, 3, 4 or 5
Msase	2, 3, 4 or 5
Msatsi	2, 3, 4 or 5
Msemachipande	2, 3, 4 or 5
Msenda	2, 3, 4 or 5
Msendachipande	2, 3, 4 or 5
Msendankhuku	2, 3, 4 or 5
Msetanyani	2, 3, 4 or 5
Msikidzi	2, 3, 4 or 5
Msiti	2, 3, 4 or 5
Msokolowe	2, 3, 4 or 5
Msolo	2, 3, 4 or 5
Mtalala	2, 3, 4 or 5
Mtalimanja	2, 3, 4 or 5
Mtaliwali	2, 3, 4 or 5
Mtangatanga	2, 3, 4 or 5
Mtapasha	2, 3, 4 or 5
Mtcheza	2, 3, 4 or 5
Mtelera	2, 3, 4 or 5
Mteme	2, 3, 4 or 5
Mthanthanyelele	2, 3, 4 or 5



Mthethe	2, 3, 4 or 5
Mtondo	2, 3, 4 or 5
Mtondoko	2, 3, 4 or 5
Mtsatsi	2, 3, 4 or 5
Mtsimbili	2, 3, 4 or 5
Mtsimbiti	2, 3, 4 or 5
Mtsukamano	2, 3, 4 or 5
Mtudzitudzi	2, 3, 4 or 5
Mtumbu	2, 3, 4 or 5
Mtunda	2, 3, 4 or 5
Mtundasato	2, 3, 4 or 5
Muitano	2, 3, 4 or 5
Mulambe	2, 3, 4 or 5
Mulonde	2, 3, 4 or 5
Muumbu	2, 3, 4 or 5
Muwanga	2, 3, 4 or 5
Mvungo	2, 3, 4 or 5
Mwabvi	2, 3, 4 or 5
Mwai	2, 3, 4 or 5
Mwale	2, 3, 4 or 5
Mwulasinga	2, 3, 4 or 5
Myeme	2, 3, 4 or 5
Nalisi	2, 3, 4 or 5
Nasanganya	2, 3, 4 or 5
Naphini	2, 3, 4 or 5
Natural	2, 3, 4 or 5
Nchilitsanamwali	2, 3, 4 or 5
Ndanganga	2, 3, 4 or 5
Ndenga	2, 3, 4 or 5
Nfupa	2, 3, 4 or 5
Nganganga	2, 3, 4 or 5
Ngongoma, Mphangala	2, 3, 4 or 5
Ngongomo / Malimbano	2, 3, 4 or 5
Ngongomwa	2, 3, 4 or 5
Njale	2, 3, 4 or 5
Njaphwimba	2, 3, 4 or 5
Njenjete	2, 3, 4 or 5
Njenjeti	2, 3, 4 or 5
Nkalankhanga	2, 3, 4 or 5
Nkalati	2, 3, 4 or 5
Nkanachamba	2, 3, 4 or 5
Nkandankhuku	2, 3, 4 or 5
Nkandanyalugwe	2, 3, 4 or 5
Nkangala	2, 3, 4 or 5
Nkankhaminga	2, 3, 4 or 5
Nkhalagongoni	2, 3, 4 or 5
Nkhalapamwala	2, 3, 4 or 5
Nkhazi	2, 3, 4 or 5
Nkhundi	2, 3, 4 or 5
Nkhunkhu	2, 3, 4 or 5
Nkhuta	2, 3, 4 or 5
Nkolongonjo	2, 3, 4 or 5



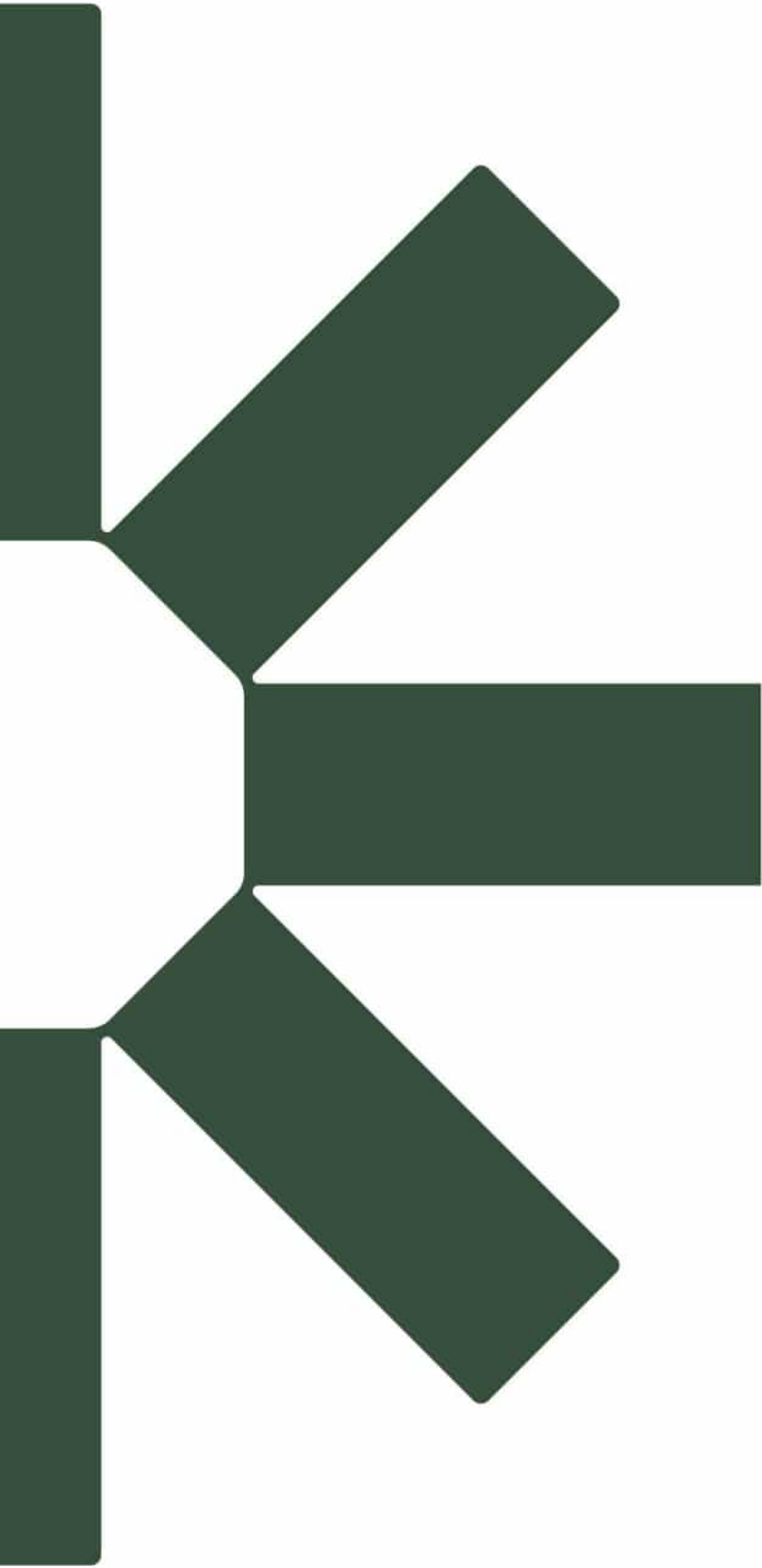
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Nkotamo	2, 3, 4 or 5
Nkuyu	2, 3, 4 or 5
Nnama	2, 3, 4 or 5
Nsagwi	2, 3, 4 or 5
Nsambamafumu	2, 3, 4 or 5
Nsangelatsu	2, 3, 4 or 5
Nsangu	2, 3, 4 or 5
Nsemachipande	2, 3, 4 or 5
Nsendaludzi	2, 3, 4 or 5
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Nswanswa	2, 3, 4 or 5
Ntalala	2, 3, 4 or 5
Ntambansato	2, 3, 4 or 5
Ntanda	2, 3, 4 or 5
Nteme	2, 3, 4 or 5
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Nthenza	2, 3, 4 or 5
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Nthula	2, 3, 4 or 5
Nthuza	2, 3, 4 or 5
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Ntuntha	2, 3, 4 or 5
Nyazoonna	2, 3, 4 or 5
Nyenyenye	2, 3, 4 or 5
Palati	2, 3, 4 or 5
Pangadza	2, 3, 4 or 5
Phangadzi	2, 3, 4 or 5
Phangala	2, 3, 4 or 5
Phingo	2, 3, 4 or 5
Physiphysa	2, 3, 4 or 5
Poloni	2, 3, 4 or 5
Pulafinga	2, 3, 4 or 5
Rain Tree	2, 3, 4 or 5
Salinyenga	2, 3, 4 or 5
Sapatsamwana	2, 3, 4 or 5
Semadzipande	2, 3, 4 or 5
Silver Terminalia	2, 3, 4 or 5
Snot Apple	2, 3, 4 or 5
Sourplum	2, 3, 4 or 5
Sweet Thorn	2, 3, 4 or 5
Tamarind	2, 3, 4 or 5
Thenza	2, 3, 4 or 5
Thereza	2, 3, 4 or 5



Theza	2, 3, 4 or 5
Thombolido	2, 3, 4 or 5
Thombozi	2, 3, 4 or 5
Thonjemanga	2, 3, 4 or 5
Thukuluzi	2, 3, 4 or 5
Tsamba	2, 3, 4 or 5
Tsanya	2, 3, 4 or 5
Tsatsake	2, 3, 4 or 5
Tsatsaki	2, 3, 4 or 5
Tsatsi	2, 3, 4 or 5
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Vungu	2, 3, 4 or 5
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Zisale	2, 3, 4 or 5
Zisekese	2, 3, 4 or 5
Ntanda	2, 3, 4 or 5
Nteme	2, 3, 4 or 5
Nthanthanyerere	2, 3, 4 or 5
Nthenje	2, 3, 4 or 5
Nthenza	2, 3, 4 or 5
Nthethe	2, 3, 4 or 5
Nthula	2, 3, 4 or 5
Nthuza	2, 3, 4 or 5
Ntondo	2, 3, 4 or 5
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Ntumbu	2, 3, 4 or 5
Ntunda	2, 3, 4 or 5
Ntundu	2, 3, 4 or 5
Ntuntha	2, 3, 4 or 5
Nyazoono	2, 3, 4 or 5
Nyenyenye	2, 3, 4 or 5
Palati	2, 3, 4 or 5
Pangadza	2, 3, 4 or 5
Phangadzi	2, 3, 4 or 5
Phangala	2, 3, 4 or 5
Phingo	2, 3, 4 or 5
Physiphysa	2, 3, 4 or 5
Poloni	2, 3, 4 or 5
Pulafinga	2, 3, 4 or 5
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Sapatsamwana	2, 3, 4 or 5
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Silver Terminalia	2, 3, 4 or 5
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Sourplum	2, 3, 4 or 5
Sweet Thorn	2, 3, 4 or 5
Tamarind	2, 3, 4 or 5
Thenza	2, 3, 4 or 5
Thereza	2, 3, 4 or 5



Theza	2, 3, 4 or 5
Thombolido	2, 3, 4 or 5
Thombozi	2, 3, 4 or 5
Thonjemanga	2, 3, 4 or 5
Thukuluzi	2, 3, 4 or 5
Tsamba	2, 3, 4 or 5
Tsanya	2, 3, 4 or 5
Tsatsake	2, 3, 4 or 5
Tsatsaki	2, 3, 4 or 5
Tsatsi	2, 3, 4 or 5
Variable Combretum	2, 3, 4 or 5
Vungu	2, 3, 4 or 5
Womans Tongue	2, 3, 4 or 5
Zilima	2, 3, 4 or 5
Zisale	2, 3, 4 or 5
Zisekese	2, 3, 4 or 5



# Annexe 4 – GLAC



Government of Malawi  
Ministry of Energy



Mpatamanga Hydro Power Limited

# Mpatamanga Hydropower Storage Project

## Guide to Land Acquisition and Compensation for the Main Works Resettlement Action Plan

# Table of Contents

- 1. Project Overview ..... 1
- 2. Principles and Objectives of the Guide to Land Acquisition and Compensation (GLAC) ..... 4
- 3. Legal Framework and Applicable Standards ..... 4
- 4. Project Land Requirements..... 5
  - 4.1 Orphan Land..... 7
- 5. Compensation Principles..... 8
- 6. Resettlement Process ..... 9
- 7. Compensation Process..... 10
  - 7.1 The Valuation of Assets ..... 12
- 8. Compensation and Entitlement Matrix..... 12
  - 8.1 Compensation Rates ..... 15
  - 8.1 Entitlement Matrixes..... 20
- 9. Livelihood Restoration Measures ..... 24
- 10. Resettlement Action Plan Schedules..... 26
- 11. How to Contact the Project ..... 27
- 12. Definitions of Terms..... 28

# 1. Project Overview

The Mpatamanga Hydropower Storage Project (MHSP), developed by Mpatamanga Hydro Power Project Limited (MHPL) and the Government of Malawi, is located on the Shire River in Southern Malawi. It includes a 55-meter-high main dam creating a 20.2 km<sup>2</sup> reservoir and a 301 MW powerhouse. Water from this powerhouse will flow into a smaller 1.35 km<sup>2</sup> reservoir, creating another 45-meter-high dam, which will feed a 57.5 MW powerhouse. The Project will cover 29 km of the river and generate a total of 358.5 MW of electricity, aiming to reduce energy shortages in Malawi with an average annual production of 1,544 GWh. Electricity will be transmitted via a 63 km 400 kV line to the Phombeya sub-station and a 10.5 km 132 kV line to the Tedzani-Kapichira Transmission Line.

The Project requires both temporary and permanent land. Specific processes must be followed for land acquisition, including compensation. This Guide to Land Acquisition and Compensation (GLAC) is a manual for those affected by the Project, explaining the land acquisition and compensation processes, roles and responsibilities of the developers and the government, legal framework, compensation principles, resettlement plans, and grievance mechanisms. Figure 1 and Figure 2 maps the Project's situation and the Project's components.

The MHSP land acquisition, compensation, and resettlement processes are planned into different phases, aligned with the project's construction schedule. The Resettlement Action Plans are as follows:

- Early Works Phase 1 Resettlement Action Plan for priority areas of the Chaswanthaka and Mpindo resettlement sites. This RAP has been finalised and disclosed in July 2025 and implementation started in July 2025;
- Early Works Phase 2 RAP for the S137 access road refurbishment work in Blantyre District. This RAP was prepared in 2025 and implementation is planned for 2026;
- Main Works RAP: Area covering all Project main facilities, as well as construction facilities, and the regulating reservoir area. Any area located in the main reservoir that is to be used for construction facilities will also be acquired at that time (upstream coffer dam and diversion tunnel works). The Main Works RAP will also include the new sections of the S137 road in Neno district, the area for the Project's conservancy area and the Kambalame Resettlement site. Implementation is planned for 2026;
- Transmission lines RAP (400kV TL and 132kV TL): Preparation is planned for 2026 and implementation for 2026-2027; and
- Main Reservoir RAP: Preparation is planned for 2026 - 2027 and implementation for 2027-2028.

This Guide to Land Acquisition and Compensation is prepared in January 2026 for the Main Works in both Neno and Blantyre District of the Mpatamanga Hydro Power Project. The Guide will be updated for each Resettlement Action Plan.

Figure 1: Project's Situation

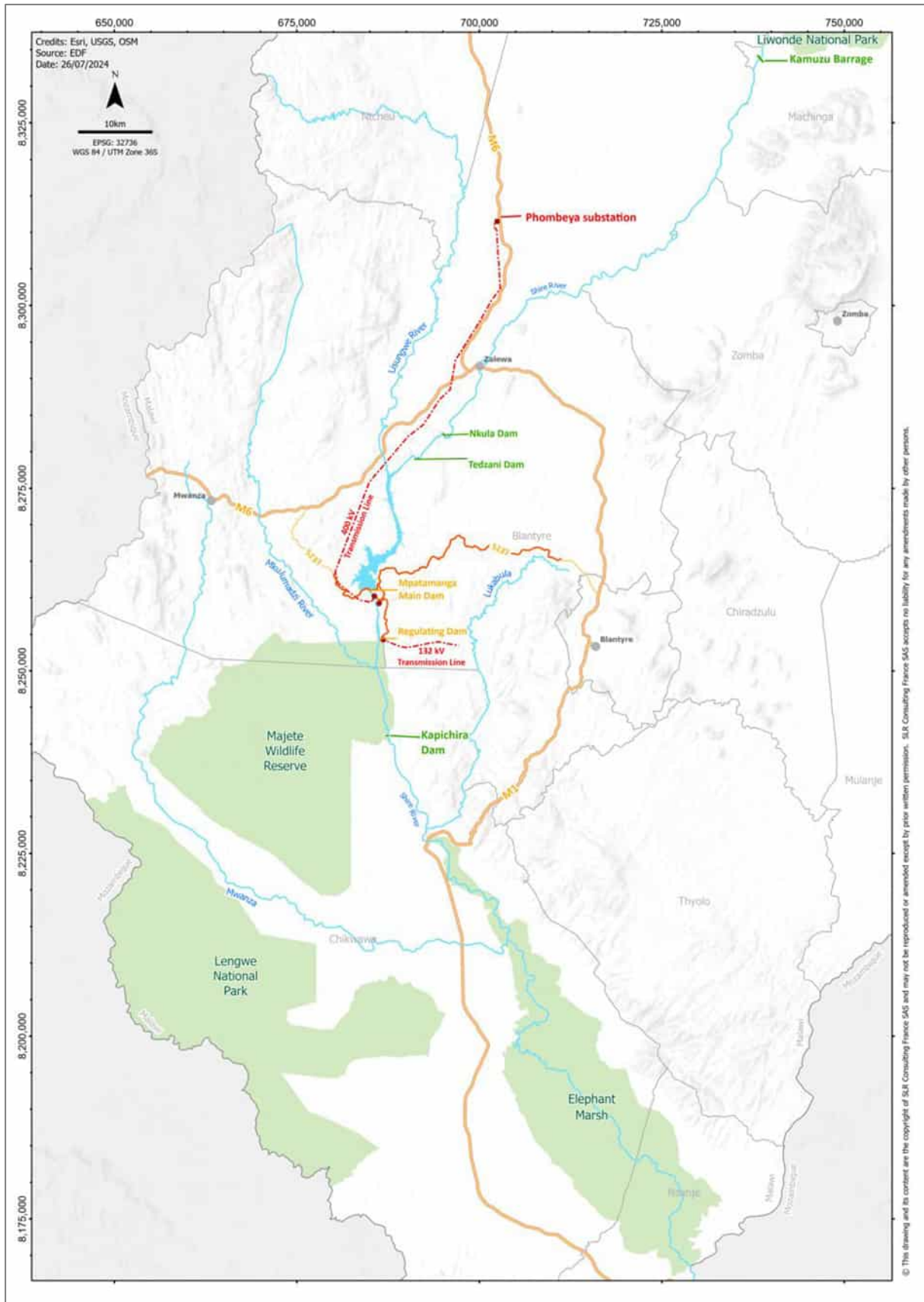
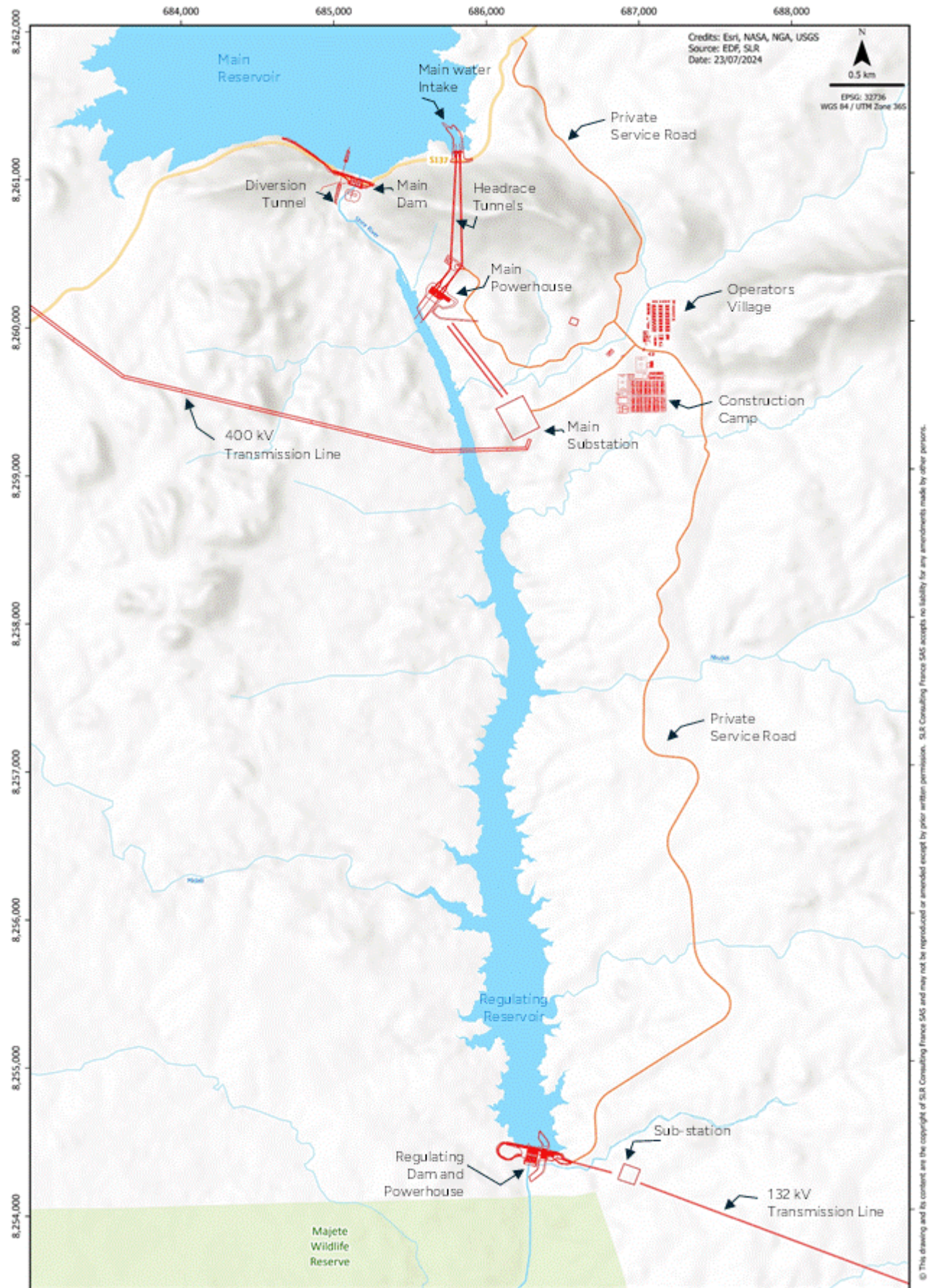


Figure 2: Project's Components



## 2. Principles and Objectives of the Guide to Land Acquisition and Compensation (GLAC)

This GLAC is a simple guide that explains the main steps and processes of land acquisition, the overall compensation process, and what you may or may not be entitled to. It helps people affected by the Project, like yourself, understand what will happen and what to expect. The Project ensures a transparent process for everyone involved by sharing this information.

*Each section of this GLAC begins with a brief overview of what the section will cover followed by some key questions that you may already have.*

*By the end of each section, you should, hopefully, have the answers to your questions.*

*In case you do not, then please contact MHPL. The contact details are shared under the section: How to Contact MHPL.*

The GLAC is created before any surveys to give you important information about land acquisition and compensation directly affecting you as projected affected persons (PAPs) and the wider community.

## 3. Legal Framework and Applicable Standards

This section covers the framework and standards the Project needs to adhere to and explains why the Project needs to comply with national and international standards.

### **Key Questions:**

- What standards does the Project adhere to?
- Why is it important for the Project to adhere to a legal framework and to international standards?

The Project follows Malawi's environmental and social laws. It also meets international standards for land acquisition and resettlement, including:

- The IFC Performance Standards (2012), especially Standard 5 on Land Acquisition and Resettlement.
- The World Bank Environmental and Social Framework (2018), particularly Standard 5 on Land Acquisition and Resettlement.
- The AfDB's Integrated Safeguard System (ISS), notably the Environmental and Social Operational Safeguard 5 on Land Acquisition, Restrictions on Access to Land and Land Use and Involuntary Resettlement
- The Equator Principles 4 (2020), refer to IFC Standard 5 for land acquisition and resettlement. The World Bank ESS5 and IFC PS5 are similar in essence.

Adhering to these specific laws and standards is important to protect the environment and you as the community and to ensure that any impacts will be mitigated.

## 4. Project Land Requirements

This section covers the Project’s land requirements by covering the different types of land the Project needs, how the Project will acquire this land, what is meant by the word **‘land’**, what restriction on land means, and what Project component would need land (this is outlined in Table 1).

**Key Questions:**

- What types of land does the Project need?
- How will the Project acquire the land it needs?
- What is meant by the word ‘land’ in this context?
- What does restriction on land mean?
- Which Project components will need land?

The Project’s land requirements include all lands to be acquired: This means getting land for the Project through buying, taking, or getting access rights like to the wayleave. It can involve:

		
TAKING UNOCCUPIED OR UNUSED LAND. ALSO TAKING LAND WHEN THE OWNER OR LAND USERS RELY ON IT FOR INCOME.	RECLAIMING PUBLIC LAND USED BY PEOPLE.	HANDLING PROJECT IMPACTS THAT MAKE LAND UNUSABLE, LIKE FLOODING

**“Land” includes everything on it, like crops, buildings, and water bodies.**

Restrictions on land use: These limits how land can be used for farming, living, business, etc., as part of the Project. They can include:

	
LIMITS ON ACCESS TO COMMON PROPERTY OR NATURAL RESOURCES (SUCH AS WATER BODIES)	RESTRICTIONS ON LAND USE WITHIN UTILITY EASEMENTS, OR SAFETY ZONES.

The Project's land needs covered by the main works Resettlement Action Plan are summarised in the Table below.

Project components	Project land needs (ha)	Comment
Main works area	857.8ha, including <ul style="list-style-type: none"> <li>• 139.2ha of public land: the strips of lands along the Shire Riverbanks, as per the Water Resources Act, 2013.</li> <li>• 3ha of public land of the existing section of the S137 road within the main works area and its road reserve in Blantyre district.</li> </ul>	Permanent land requirement. Some of the lands needed temporarily for the construction period will not be needed for the operation (for instance construction camps, quarries, borrow pits, any lay-down or working areas required by the Contractors). Where feasible considering operational constraints, these lands could be transferred by MHPL to the GoM after the demobilization of the contractor at the end of the construction. The possibility for the Government to then transfer some of these lands back to the local communities will be studied by the Project.
New sections of S137 road in Blantyre District and Neno District	41.1	Permanent land requirement. The Ministry of Transports and Public Work will own these lands after construction.
Kambalame Resettlement site	94.9	Temporary land requirement: The Project will acquire the land to develop the resettlement site in Kambalame, but as they are an in-kind compensation option, the land plots allocated to affected households and communities on these resettlement sites will be transferred to them after the displacement.
Biodiversity conservancy area	1910	Permanent land requirement: The proposed biodiversity conservancy area will be acquired and fenced before the start of construction and maintained throughout operation.
Safety Buffer areas	236.1	Temporary restriction of access and use during construction: No residential structure will be allowed in the safety buffer for safety reasons. The land will not be acquired, as grazing and farming are still allowed.
Part of affected land plots that will also be affected by the main reservoirs – acquired as part of the main works RAP	34.9	Permanent land requirement. The land plots affected by the main works and the main reservoir are acquired entirely during the man works RAP.
Total	3174.8	

# 4.1 Orphan Land

This section explains the concept of orphan land in the context of the Project. This is a term you may not have heard before. If you have not heard about this term before, this section explains it so that you know what it is when it gets mentioned and what your rights are when it applies to you and your land plot.

**Key Questions:**

- What are orphan lands?
- Why do orphan lands become unusable or undevelopable?
- What happens if a land plot becomes inaccessible or not economically viable due to the Project?
- Can the entire land plot be acquired by the Project if it becomes unusable?
- How will landowners be compensated if their land becomes orphan land?

		
<p>ORPHAN LANDS ARE PARTS OF LAND THAT ARE LEFT UNUSABLE OR UNDEVELOPABLE BECAUSE OF THE PROJECT.</p>	<p>FOR EXAMPLE, IF THE REMAINING PART OF YOUR LAND PLOT BECOMES INACCESSIBLE, UNUSABLE, OR NOT ECONOMICALLY VIABLE AFTER THE PROJECT TAKES SOME OF IT, THE WHOLE PLOT MAY BE ACQUIRED IF YOU AS THE OWNER WANT IT TO BE TAKEN BY THE PROJECT AND BE COMPENSATED FOR IT.</p>	<p>THE MATTER OF ORPHAN LAND AND WHAT TO DO WITH IT, WILL BE DECIDED CASE-BY-CASE THROUGH DISCUSSION WITH THE LANDOWNER OF THE UNACQUIRED PARTS OF LAND PARCELS, AND COMPENSATION WILL TAKE PLACE ACCORDING TO THE COMPENSATION PRINCIPLES.</p>

## 5. Compensation Principles

This section outlines the compensation principles that will be applied to land acquisition.

*Key Questions:*

- How does the Project ensure fair and clear compensation for land acquisition?
- What laws and standards guide the compensation process?
- How is compensation for land and other assets determined?
- What mechanism is available for affected landowners and users to address grievances?

The Project promises fair and clear compensation for land acquisition, following Malawian law and international standards. Compensation for land, crops and other improvements will be based on market value. Affected landowners who are not satisfied with their offers can use the project grievance mechanism. If the landowner and user differ, the owner will be compensated for the land and restrictions, and the user will be compensated for crops and livelihood restoration.

## 6. Resettlement Process

The resettlement process involves several key steps to ensure that affected individuals and communities are adequately supported.

**Key Questions:**

- What does the resettlement entail?
- What steps will be followed?
- What can I expect to happen throughout this process?

Figure 3: Resettlement Process in steps



## 7. Compensation Process

As you may have noticed from the above graphic, part of the resettlement process is the compensation process. This is a crucial part of the resettlement process and needs more detailed explanation.

**The compensation process is a comprehensive process that follows specific steps.**

This section will explain the process step by step. Following each step is crucial to ensure that you get compensated appropriately. This section will also cover the information needed by the Project to work out your compensation packages. To calculate your compensation package, certain surveys will have to be conducted. These surveys will be explained, and this section will also explain where each survey fits into the process.

### *Key Questions:*

- What are the specific steps in the compensation process?
- Why is it important to follow each step in the compensation process?
- How does the comprehensive nature of the process ensure appropriate compensation?
- Who oversees the compensation process to ensure it is followed correctly?
- What surveys will be used?
- How will my compensation be calculated?
- How can I be sure that what is being calculated will reflect the correct value of my assets?

For this Project, the compensation process can be outlined in five steps, which are as follows:



Each step with its sub-parts will now be explained.

### **Step 1: Data and information gathering**

Different surveys will be used to get the relevant information and data. Below is a list of the various surveys that will be conducted and a brief purpose of each survey.

- **Pre-census:**  
Before the census begins, we need to mark the boundaries of the affected lands to identify the landowners. Marking the land means physically outlining the area that will be affected. For example, if you own a house and a plot of land, the pre-census team will mark the part of your land that will be impacted.
- **The census:**  
Following the pre-census, the census follows. The census process entails different surveys, and each will be discussed. The census aims to gather data and information about your details as a PAP and your assets.

Surveys that you will be asked to provide information to are as follows:

The diagram consists of five horizontal boxes, each with an icon on the left and text on the right. The icons are: a person with a checkmark, a barn with a sun, a map with a magnifying glass, a house with a checkmark, and a house.

- Census form:** This form will ask you to provide your personal details, like your name and surname.
- Asset inventory:** will capture details, for example, around the number and categories of crops and trees affected on the land plot, number, size and category of structures affected, etc.
- Land plot form:** Polygons of affected land plots (entire land plot, not only the affected part) will be taken of your land plot
- Collective asset form:** This form is used to capture all the relevant asset in your community, for example borehole, church or mosque, health centre etc
- Household socio-economic form:** This form captures details on members of your household, for example age, occupation, education level etc

You will notice that a lot of personal data will be gathered. You can be assured that your data will be kept securely and will be confidential and will only be used by the Project to work out your compensation packages.

Part of this step is the role of an accredited valuer. The Accredited Valuer is an independent specialist from Malawi who will participate in the census and survey exercise to prepare the compensation schedule. Representatives of the Ministry of Lands will also be invited to attend the census and survey activities. This is to ensure integrity in the process.

Lastly, you will sign the asset inventory list when all relevant surveys are completed. This list reflects what you have, and that the Accredited Valuer correctly captured your assets.

### **Step 2: Data Analysis:**

After all this information is captured, it will have to be analysed. You will notice that the fieldworkers will have electronic devices when they interview you and complete the different surveys with you. Once all your information is captured on these devices, it goes into an electronic system where the Project team can look at all the data that has been captured.

### **Step 3: Compiling the draft compensation schedule**

When all this data is captured, the purpose and aim is to develop the compensation schedule. A compensation schedule is a substantial electronic file that has everyone's details in it.

For example, if you own a house and a land plot, these assets will be reflected in the compensation schedule because the census form and the land plot capture them. The same goes for other assets that you might own such as trees, crops, a businesses, etc.

### **Step 4: Sign-off of compensation schedule**

Compensation is calculated based on an agreed list of items (the asset inventory you sign) like land acquisition, rental, crops, and restrictions, using specific rates for each item.

Each development and structure on the land is valued separately. Once the total compensation is determined, the landowner or user gets a proposed agreement with details of the calculations and a map of the affected area.

### Step 5: Agreements

The Project will try to reach an agreement that works for everyone. If we can't agree, a notary will write a document saying so. Should you not agree then you may raise a grievance through the Grievance Redress Mechanism (GRM). Details to contact MHPL are presented under **How To Contact the Project**.

## 7.1 The Valuation of Assets

Part of the compensation process is to value your assets. It is one thing to get the asset inventory based on your assets, but the Project needs to know the cost of goods to ensure that you will be compensated correctly. So, this section covers section how your assets will be evaluated.

### *Key Questions:*

- What methods will be used to value the assets?
- How will the cost of goods be determined?
- What criteria will be used to ensure correct compensation?
- What specific information is needed for the asset inventory?
- How will the valuation process impact the overall project?

**A complementary market survey was conducted during June – July 2025 to evaluate your assets.**

The survey included:

- Checking current market prices for different types of land (Customary or Titled/leased) in the Project area and compare prices in semi-urban and rural areas.
- Market prices for crops, trees, and other productive assets that might need compensation.

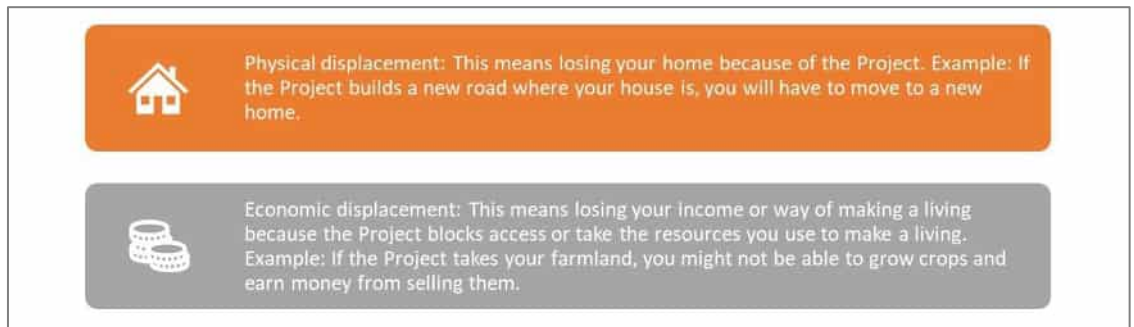
## 8. Compensation and Entitlement Matrix

This section covers what you are entitled to for compensation and will also explain the difference between the two types of displacement, economic and physical.

### *Key Questions:*

- What is physical displacement?
- What is economic displacement?
- What types of compensation are you entitled to?
- What is the difference between cash compensation and in-kind compensation?
- What will I be compensated for?
- What are the compensation rates for the Main Works Resettlement Action Plan ?

There are two types of displacement, namely physical and economic:



When you lose your home and land plot, you are physically AND economically displaced.

When you lose assets, be it your home, land, crops, or business, the Project must compensate you fairly. To make things fair and to give you a choice, the most affected will have the option to choose between **cash or in-kind compensation**. Both will be explained now:

For physically displaced households, two approaches will be proposed:

- For the households physically displaced by the main reservoir and main works from Kambalame, Mpindo and Chaswanthaka villages: **in-kind replacement land and housing** will be offered as in-kind compensation **on the resettlement sites** in the same villages.
- For the other physically displaced households outside of Chaswanthaka, Mpindo and Kambalame villages, **assisted self-relocation** will be offered as in-kind compensation. Replacement land will be identified in the same village or group village, and replacement housing will be provided to these households on the replacement lands identified.

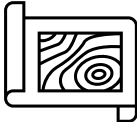
















For economically displaced households, a choice between cash and in-kind compensation will be offered only for cultivated and productive lands. Unused lands will be compensated in cash. The households economically displaced (i.e. losing land without losing their house) will be offered the possibility to choose in-kind replacement land to be identified in the same village or group village over cash compensation:

- If they are losing productive lands and
- If they are residing in the affected villages or group villages (i.e. non-resident affected persons will not be offered replacement lands) and
- If they are in one of the categories below:
  - Affected vulnerable household (as outlined in 4.2.11 of this report);
  - Losing either the entirety or more than 30% of their land.

Cash compensation will be based on the cost of replacing what is lost.

The table below indicates if you are eligible or not to receive compensation for your assets. You can use this table as a quick checklist to determine if you will or will not be compensated. If yes, the figures following this table will give you more details on your compensation package.

Table 1: Entitlement checklist

ASSET	WHO	ELIGIBILITY
<b>Land</b> 	If you are an owner of land	Yes 
	If you are renting someone's land	No  <b>BUT will get compensation for the unexpired portion of the lease and crops/trees and structures</b>
	If you are using land but you are not a recognisable landowner (this is for those within the S137 road reserve)	No  Because the land in the road reserve belongs to the government of Malawi
<b>Trees and structures</b>  	If you are an owner of land	Yes 
	If you are renting someone's land	Yes 
	You are using land, but you are not a recognizable landowner (this is for those within the S137 road reserve)	Yes 
<b>Crops</b> 	The Project will schedule the land acquisition process to avoid or minimise as much as possible impacts on crops. PAPs cultivating annual crops will be allowed sufficient time to harvest their crops prior to land take, ensuring no loss of mature or near-mature crops. Hence the crops will not be compensated. Where annual crops are damaged or destroyed due to project activities during construction, including impacts from machinery movement or site clearance, these crops will be eligible for compensation.	
<b>House and the land on which it sits.</b> 	If you own the house and live in it	Yes 
	If you own the house but live somewhere else	Yes 
	If you are renting the house	No  BUT will get compensation for unexpired portion of the lease and moving allowance
<b>Business owner (formal / informal)</b> 	If you have a business or are a business owner (outlined under PAP – Owner graphic)	Yes 
<b>Salary from a business/employer</b>	If you are working for a business (employee) and if you are a farm/ranch worker	Yes  A one-time allowance is equivalent to 3 months of the minimum wage income in rural areas.

For this RAP, certain land plots are affected without any residents living on them. To address this, the Project established a definition for “non-resident PAP.” For the purposes of this RAP, a non-resident PAP is defined as follows:

A “non-resident” PAP owns one or more landplots (or assets) affected by this RAP's land requirements but does not reside in a GVH that is impacted by this RAP's land requirements.

The following section includes the compensation rates.

## 8.1 Compensation Rates

The following are the compensation rates were used to calculate your compensation package, for the **Main Works RAP** .

For this RAP, land and structures, crops and trees and businesses were the assets affected.. The compensation rates have been established by an accredited valuer registered under the Property valuation Act (2024), after a market survey was completed in 2025.

### 8.1.1 Land

The land productivity method or profit method was used to determine the land value. This method focuses on the productive value of land. It assumes that the value of farmland is directly linked to the income generated from the sale of crops produced on the target land. As this rate is linked to the productive capacity of the land, it is not subject to any speculative development or abuse of land-prices over time. The productive value of land is examined using appropriate agro-economic techniques. This typically work with examining the types of crops prevalent, yields, cost of inputs, and market returns on products. The average crop production yields of the major local crops must be determined using the estimated yields provided by the Department of Agriculture and then validated with local farmers. In this work, local market rates have been determined from market studies in the area and in Blantyre.

The market survey confirmed maize as the dominant crop in the Project area, with pigeon peas as the main secondary crop. Other crops include groundnuts, cassava, legumes, and vegetables (onions, tomatoes, cabbage, okra, sugarcane), mostly grown on riverbanks with better soil and water access. Irrigation is rarely practised, though riverbanks allow easier water access. To assess the maximum productive value of land, crop yields, input costs, and market prices were used:

- Yields sourced from the Ministry of Agriculture’s 2024 APES Report (upper quintile yields);
- Costs updated for price volatility in inputs;
- Market prices collected locally; highest maize price used: MWK 2,100/kg.

The maximum productive value of land has been established at MWK 5,100,000 per hectare.

Through on-site observations and stakeholder interviews, the land productivity varies significantly and is influenced by location, resource access and soil condition. During the survey, the following variations were noted:

- Riverbank lands (e.g., immediately adjacent to the Shire River) are lands with high agricultural value, due to irrigation potential and nutrient-rich soil. Ranch or agro-business preferably uses these lands;
- Upland areas have a lower productivity, due to minimal water access and the soil quality (rocky, elevated, or dry lands in the upland escarpment, away from Shire). The agricultural activities are cropping-dependent but generally limited by seasonal rain-fed cultivation.

As each of these two categories may be cultivated or left virgin and undeveloped, the valuation has considered the risks associated with such parcels to determine the value of uncultivated lands in both categories. Considering that at the time of acquisition, the uncultivated land may need more inputs to bring it to the condition of the cultivated land, an estimate of 50% of the value of cultivated land has been assigned as the value of uncultivated land.

According to the discussion with the Agriculture Department of the Neno District, it can be estimated that the cultivated lands on the riverbanks are 25% more productive than the cultivated lands in the upland areas. Therefore, the value of cultivated lands in the upland areas is 75% of the cultivated land value for the Shire riverbanks.

**Table 3: Compensation Rates for Land**

Tenure category	Main category Zone/Location	Sub-category Cultivation status	Value Ranking and Compensation Recommendation	Compensation rate per ha MWK
Customary land	Shire Riverbanks	Cultivated	Highest value - Compensation at maximum productive value of cultivated land	5,100,000
	Upland Areas	Cultivated	High value – 75 % of the highest value	3,825,000
	Shire Riverbanks	Uncultivated	Compensation at 50% of the cultivated area along the Shire Riverbanks (highest value)	2,550,000
	Upland Areas	Uncultivated	Compensation at half the rate of cultivated upland areas	1,912,500
Private land	<i>Non applicable, as no case was recorded for the early works phase 2 RAP or the main works RAP.</i>			

Three of the plots located along the Shire Riverbanks in Neno District are much bigger than the other plots. They are fully affected and range from more than 230 ha to more than 400 ha, and they extend more than 2 km inland, where the land is not as productive as on the Shire riverbanks. All other affected plots located along the Shire riverbanks are smaller than 50 ha and do not extend more than 800 m away from the Shire riverbanks. In addition, according to the market survey, large land plots have usually a price per hectare lower than smaller land plots. For these three big plots along the Shire riverbanks, a specific valuation is applied, as follows:

- The first 50 ha are valued using the Shire riverbanks rate; and
- The remaining area above the first 50 ha is valued using the upland areas rates.

## 8.1.2 Structures

The cost method assesses the cost of building a new structure equivalent to the one affected, using data collected during the market survey on construction and finishes materials, labour costs, and transportation costs as appropriate. The data collection involved interviews with local suppliers, contractors and real estate agents. On-site visits to construction areas were done to observe market conditions. Material prices were gathered from local suppliers and hardware stores, focusing on commonly used construction materials such as cement, bricks, steel, timber, and finishing materials. Labour rates were obtained through discussions with local contractors operating within the area. A compensation rate per square meter or linear meter is then obtained for the difference structures categories for different types of structures: houses, commercial buildings, kraals, kitchens, fences, leisure shade, benches, and a number of other structures. The compensation rates for houses and commercial buildings is provided in the Table below

Structure Category	Code	Description	Price per size (m or m <sup>2</sup> ) (MWK)
Houses	H15	Poles	15,939
	H1	Walls: mud and wattle-composed of poles, Thatched roof	34,637
	H18	Burnt brick, earth floor, wooden poles and plastic paper roof	83,000
	H12	Grass thatched roof, sundried bricks bonded with mud mortar, hallowed wall windows, wooden doors fitted in wooden frames, earth floor	88,000
	H2	Walls: sundried bricks – earth floor – windows glazed, Thatched roof	93,139
	H3	Walls: burnt bricks – earth floor – windows glazed, Thatched roof	100,379
	H16	Roof: Corrugated Iron Sheets resting on poles, Walls: Sundried bricks bonded with mud mortar, plastered with mud, Floor:Mud	102,453
	H17	Walls: stones bonded with mud mortar, Floor: earth, Roof: grass thatched, Door: grass door	112,698
	H5	Walls: Burnt bricks – earth floor – windows glazed in wooden frames, Roof: Corrugated Iron Sheets	121,528
	H13	Walls: Burnt bricks, Pointed outside, Plastered inside, glazed windows, Roof: Corrugated Iron Sheets, Floor; cement floor	125,601
	H10	Walls:Burnt bricks, Cement floor, Plastered inside and outside, painted,no roofing	157,347
	H7	Walls: Burnt bricks – cement floor, Plastered inside – windows glazed, Roof: Corrugated Iron Sheets	207,211
	H8	Walls: Burnt bricks – cement floor, plastered inside and outside – windows glazed, Roof: Corrugated Iron Sheets	224,782
	H14	Walls: Burnt bricks – cement floor, plastered inside and outside - painted- windows glazed, Roof: Corrugated Iron Sheets covered with plywood ceiling, Services; Solar Panels	294,448
	H9	Walls: Burnt bricks – cement floor, plastered inside and outside - painted- windows glazed, Roof: Corrugated Iron Sheets	389,305
H11	Walls: Stones bonded with cement motor pointed. Window: Raised windows, metallic casement with Burglar bars. Roof: Corrugated Iron sheets resting on sawn timber. Door: Wooden, with steel frame. Floor: Concrete.	525,801	
Commercial building	COM2	Walls: sundried bricks – earth floor – windows glazed, Thatched roof	93,139
	COM6	Walls: Burnt bricks – cement floor – windows glazed in wooden frames, Roof: Corrugated Iron Sheets	121,528
	COM12	Roof; Grass thatched resting on timber poles, Walls; Sundried bricks bonded with mud mortar and plastered with mud, Window, wooden window and window frame, Wooden door and door frame, Floor; Earth	106,002
	COM10	Floor-Earth, Walls- Burnt Bricks bonded with mud, Roof- Corrugated iron sheets resting on timbers, Doors-Wooden door with wooden frame, Windows- No windows	127,605
	COM11	Corrugated Iron Sheets, Burnt Bricks bonded with mud mortar, open ceiling, wooden window with steel burglar bars, wooden door in wooden frames, rendered and painted, partly plastered,cement floor screed finish.	176,669
	COM13	corrugated iron sheets, cement blocks with cement mortar, cement screed, steel window frames	234,000
	COM9	Walls: Burnt bricks – cement floor, plastered inside and outside - painted- windows glazed, Roof: Corrugated Iron Sheets	389,305

### 8.1.3 Crops

The Project will schedule the land acquisition process to avoid or minimise as much as possible impacts on crops. PAPs cultivating annual crops will be allowed sufficient time to harvest their crops prior to land take, ensuring no loss of mature or near mature crops. They will have no less than 2 months advance notice to vacate the land and right to harvest the crops before the date the land shall be vacated (as long as it does not interfere with Project construction timelines). Where annual crops are damaged or destroyed due to project activities during construction, including impacts from machinery movement or site clearance, these crops will be eligible for compensation.

### 8.1.4 Fruit trees

To obtain input into this valuation model, the market survey established the price of seedlings, cost of production, unit prices, yields per tree per year, and the time it takes from planting to a productive stage. The market survey team engaged fruit growers and experts in Mwanza and Agriculture officers in Neno for annual yields, cost of production/expenses and years needed to regrow the tree to its highest productive stage. Vendors were engaged in Mwanza, Chikuli and the markets along the S137 road in Blantyre for unit prices. The compensation rates for fruit trees (seedlings and productive trees) is given in

Table 2 below.

Table 2: Compensation Rates for Fruit Trees

Fruit trees	Compensation for Seedling (MWK)	Compensation for productive trees (MWK)
Avocado_peas	4,250	392,100.00
Banana	1,000	102,700.00
Custard_apple	2,500	159,700.00
Guava	3,000	61,500.00
Lemon	2,250	151,500.00
Mango	1,000	133,300.00
Mulberry	2,500	42,700.00
Oranges	2,250	184,300.00
Papaya	2,500	78,900.00
Tangerine	1,500	169,600.00

### 8.1.5 Exotic and Indigenous trees

Using the suspended forestry gazette as a guide, the data collected during the market survey, and after discussion with the Ministry of Lands Valuers, the rates of compensation for the indigenous and exotic trees have been worked out indicated in

Table 2 below.

Table 3: Compensation Rates for Indigenous and Exotic Trees

Type of tree	Size (Trunk diameter at 1.37 m)	Cost (MWK)
Indigenous trees – Class 1 and 6 (I and/or VI)	10 to 30 cm (Small)	10,000
	30 to 55 cm (Medium)	20,000
	> 55 cm (Large)	40,000
Indigenous trees – Class 2, 3, 4 and 5 (II – V)	10 to 30 cm (Small)	3,000
	30 to 55 cm (Medium)	10,000
	> 55 cm (Large)	20,000
Exotic trees	< 7 cm (Seedlings)	1,500

(such as Acacia, Moringa, Neem, White teak, Eucalyptus Blue-gum, Pine tree, Firtree, Gliricidia, Cypress)	7 to 25 cm (Small)	15,000
	25 to 35 cm (Medium)	22,500
	> 35 cm (Large)	45,000
Sisal/Cactus/aloe vera	bunch	1,000
Palm trees	Trunk height > 1.5 m	30,000

### 8.1.1 Businesses

Structures will be compensated for immovable businesses as indicated in the previous sections. However, the loss of income during the transition to a new place to re-establish the business will be a separate loss category. The loss of income depends on the size and type of business. Formal businesses have records or documents allowing them to establish their net revenue. Based on these documents/records, the informal businesses will attract an allowance equivalent to 3 months of their average net revenue documented for the past 2 years.

Businesses categories	Average monthly net income (MWK)	Allowance for loss of business revenue (equivalent to 3 months of average net revenue) (MWK)
Groceries	305,000.00	915,000.00
Mobile Money	287,000.00	862,500.00
Chips	223,000.00	669,000.00
Vegetable selling	250,000.00	750,000.00
Motorcycle repair	190,000.00	570,000.00
Photocopy	40,000.00	120,000.00
Welding	780,000.00	2,340,000.00
Meat selling	760,000.00	2,280,000.00
Maize mill	1,000,000.00	3,000,000.00
Bar	450,000.00	1,350,000.00
Phone charging	100,000.00	300,000.00
Restaurant	500,000.00	1,500,000.00
Barber shop	250,000.00	750,000.00
Fish Selling	468,000.00	1,404,000.00
Fish/veg selling	380,000.00	1,140,000.00
Burning centre	260,000.00	780,000.00
Carpentry/joinery	875,000.00	2,625,000.00
Clothes selling	220,000.00	660,000.00
Computer use	530,000.00	1,590,000.00
Rental real estate	100,000.00	300,000.00
Retail food	550,000.00	1,650,000.00
Tinsmithing	390,000.00	1,170,000.00

### 8.1.2 Allowances

Disturbance	20% of total compensation amount
Vulnerability	Specific livelihood restoration support to be provided in kind
Loss of employment revenue	A one-time allowance equivalent to 3 months of the minimum wage income in rural areas As defined by the Ministry of Labour, the minimum rural wage is MWK 126,000.16 per month as of 1st June 2025
Moving allowance	A moving allowance is to be provided to the households physically displaced (either owning the house affected and tenants of the affected house) and to the affected business owners. This moving allowance is to be a one-off payment of MWK 200,000 (about USD 116).

## 8.1 Entitlement Matrixes

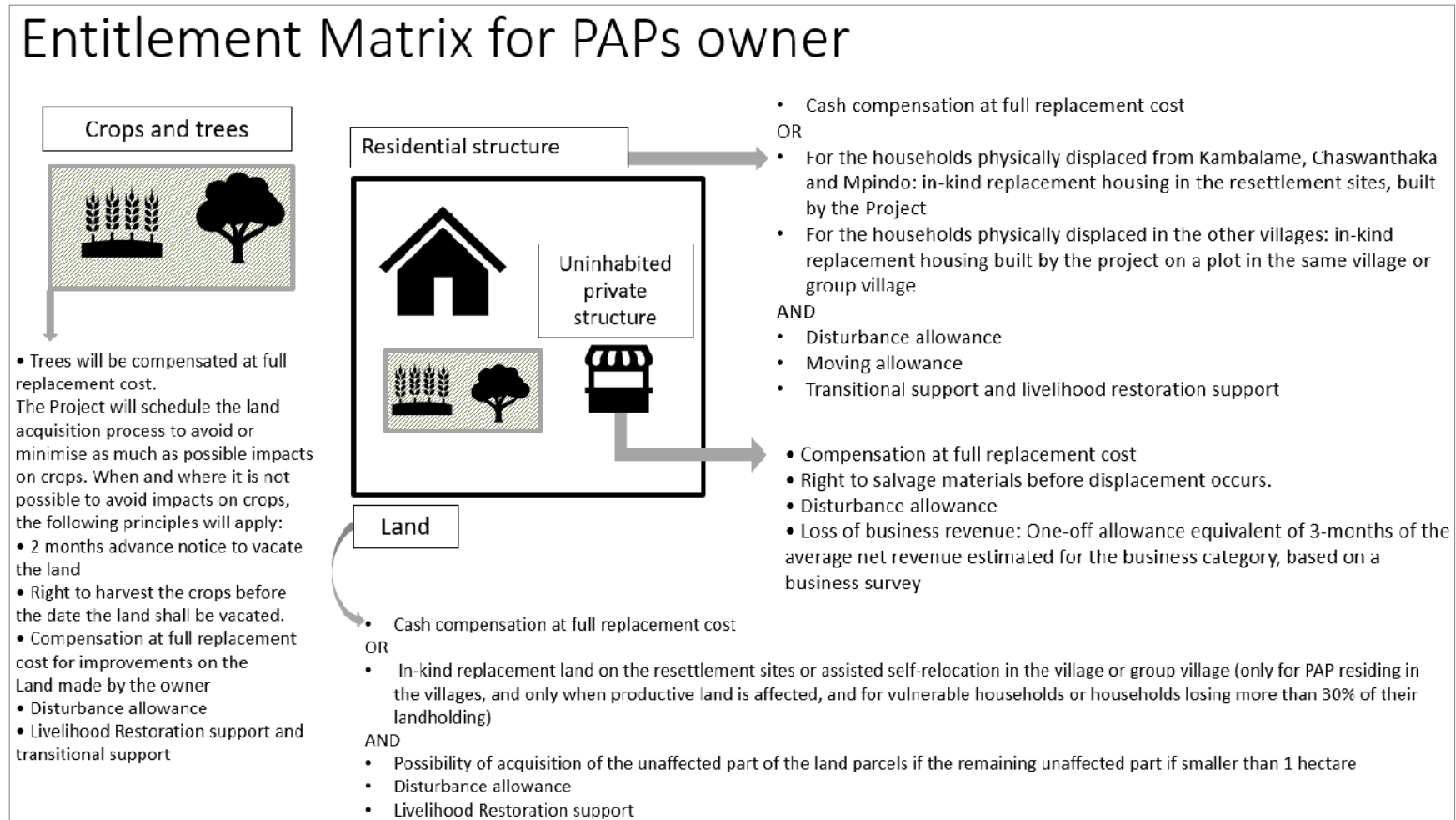


Figure 4: Entitlement matrix for a PAP owner

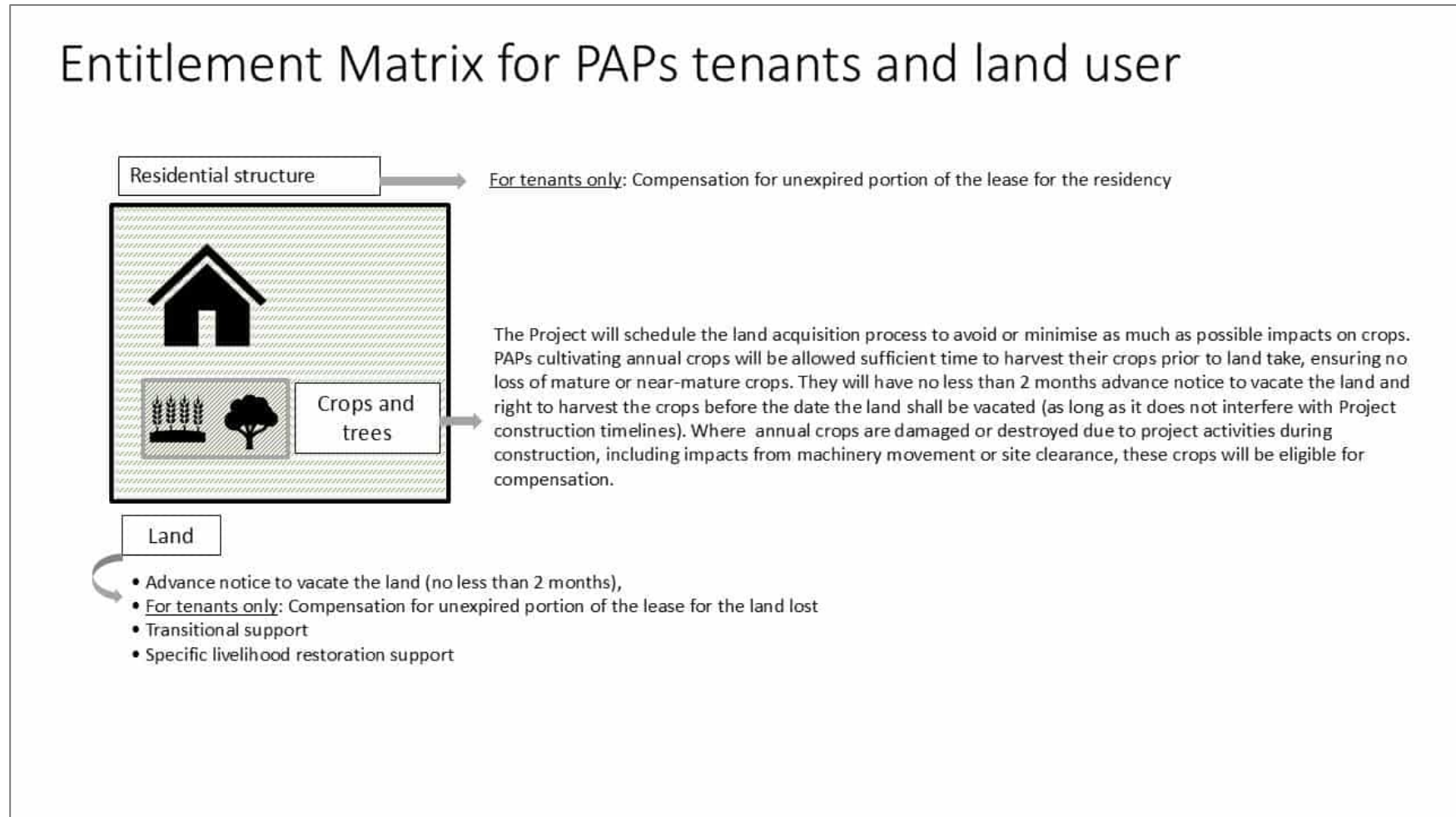


Figure 5: Entitlement matrix for a PAP tenant and land user

You may notice that in these entitlement matrixes the words *Disturbance Allowance*. In addition to the compensation above, a disturbance allowance of 20% of compensation for land and assets will be calculated and paid as part of your compensation packages.

## Entitlement Matrix for PAPs business owners and employees

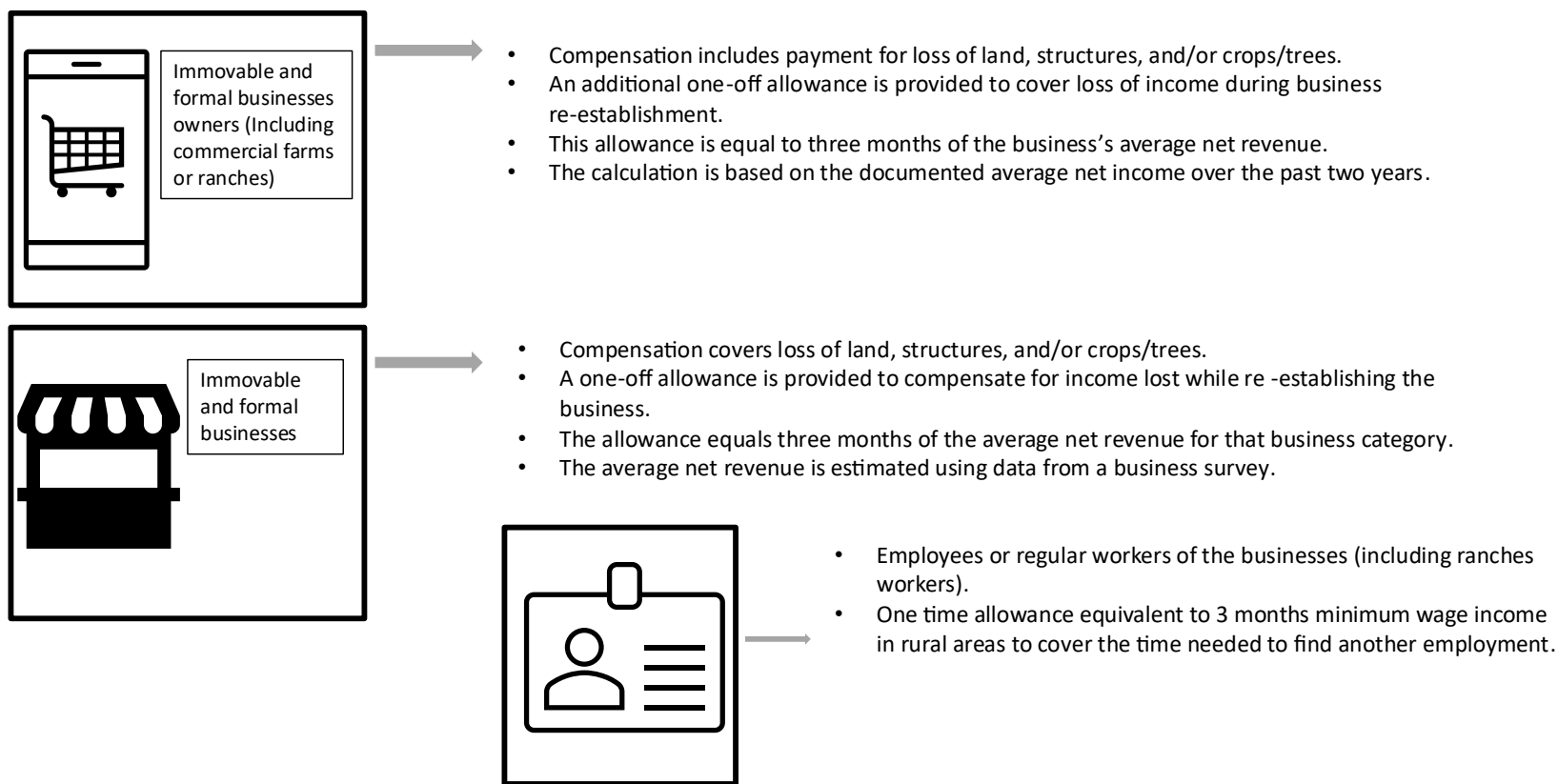


Figure 6: Entitlement matrix for a PAP business owners and employees

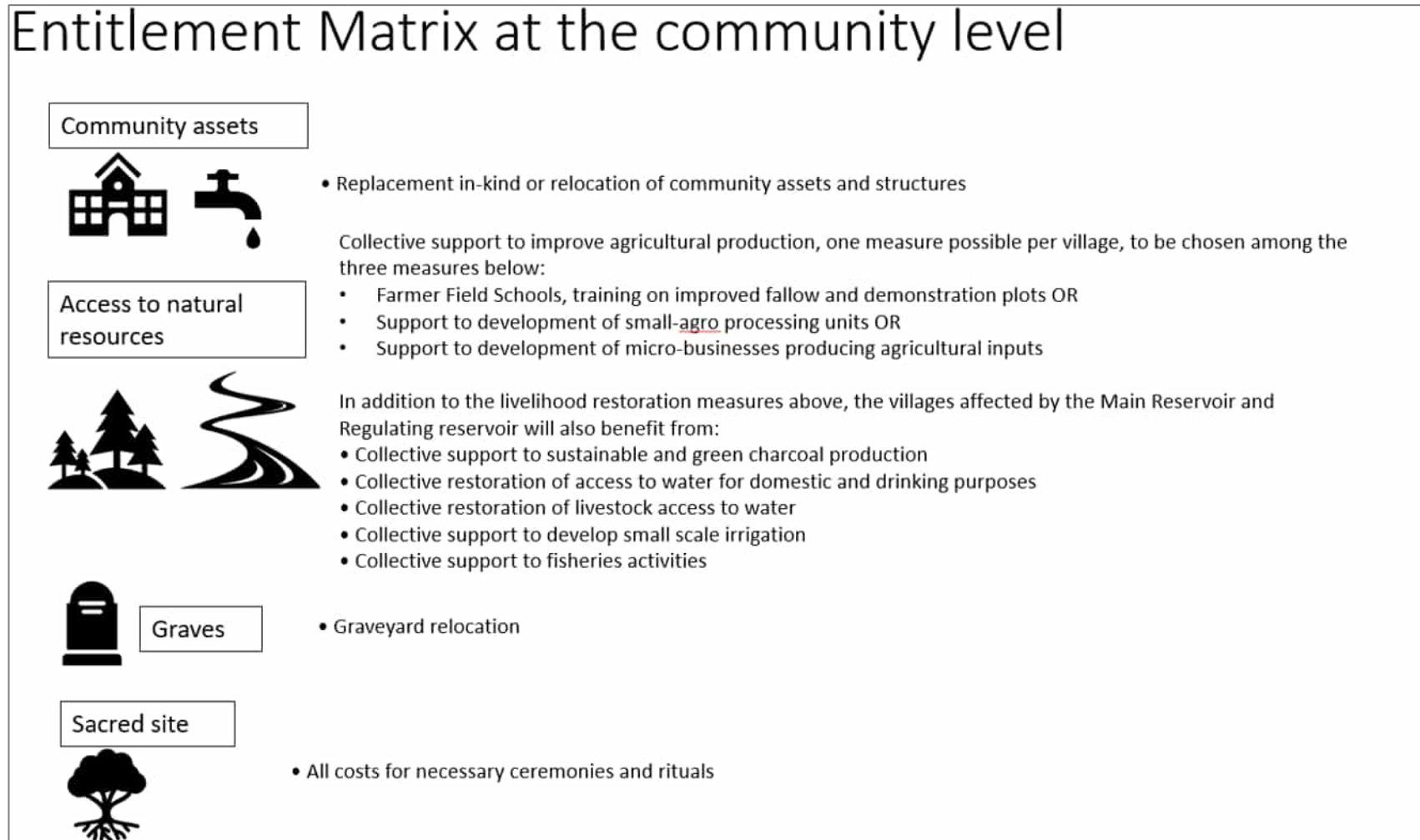


Figure 7: Entitlement for community

## 9. Livelihood Restoration Measures

This section covers the livelihood restoration support that the Project will provide. This section will also explain why this needs to be done. In the table below, the different livelihood restoration measures are explained, as well as who will benefit from them.

### *Key Questions:*

- What types of livelihood restoration support will the Project provide?
- Why is it necessary to provide livelihood restoration support?
- What are the different livelihood restoration measures mentioned in the table?
- Who will benefit from these livelihood restoration measures?
- How does the Project ensure that displaced people improve or restore their livelihoods and living standards?
- Why are some livelihood restoration measures only for affected households living in the affected villages?

Projects need to help displaced people improve or at least restore their livelihoods and living standards to what they were before displacement or before the Project started, whichever is higher. It's important to note that some of these measures are only for affected households living in the affected villages; people who do not live there will not be eligible.

The Project has agreed that non-resident Project Affected Persons (PAPs) will not be eligible for livelihood restoration measures. This includes measures specifically designed for vulnerable households. Non-resident PAPs will therefore not be classified as vulnerable under this RAP.

Table 4 gives an overview of all the livelihood restoration measures the Project will offer. Your compensation agreements indicate exactly what livelihood restoration measures you are entitled to.

**Table 4: Livelihood restoration programmes**

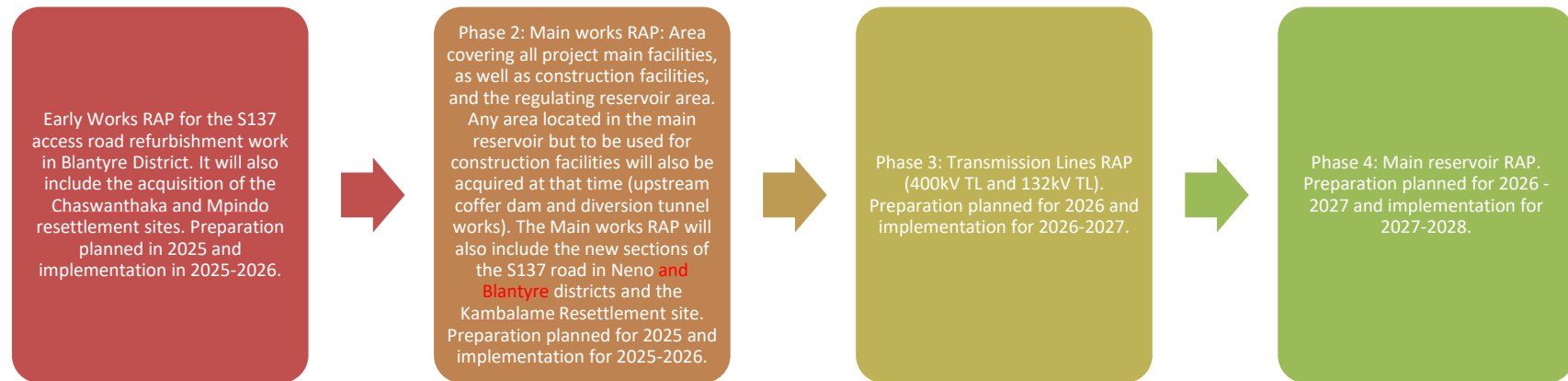
Category of Measures	Category of Affected Persons or Households Eligible	Livelihood Restoration Measures
Support During the Compensation and Resettlement Process	All affected households	[LR 1] Support to Open a Bank Account
	All affected households	[LR 2] Training for Sustainable Management of Compensation
	All affected households residing in the affected villages. Non-resident affected households will not be eligible to this measure.	[LR 3] Transitional Support
Support to Existing Farming Activities	Affected households with cultivated plots affected (Non-resident affected households will not be eligible to this measure.)	[LR 4] In-kind Provision of Agricultural Inputs to Restore Crops Production
	All affected households (Non-resident affected households will not be eligible to this measure.	[LR 5] Provision of One Bicycle per Affected Household
Support to Develop Alternative	All affected households (Non-resident affected households will not be eligible to this measure.)	[LR 6] Support to Development of Off-Farm Economic Activities

Category of Measures	Category of Affected Persons or Households Eligible	Livelihood Restoration Measures
Livelihood Activities	All affected households (Non-resident affected households will not be eligible to this measure)	[LR 7] Preferential Hiring and Skills Training
Collective Livelihood Restoration Measures	Early works RAP and transmission lines RAP: measure [LR8] only.	<p>The following collective livelihood restoration measure will apply to all affected villages, including those affected by the early works RAP and the transmission lines RAP:</p> <p>[LR 8] Collective support to improve agricultural production, one measure possible per village, to be chosen amongst the three measures below:</p> <ul style="list-style-type: none"> <li>• Farmer Field Schools, trainings on improved fallow and demonstration plots, OR</li> <li>• Support to development of small agro-processing units, OR</li> <li>• Support to development of micro-businesses producing agricultural inputs.</li> </ul>
	Main reservoir RAP and main works RAP: measures [LR8] to [LR13].	<p>The following collective livelihood restoration measure will apply only to villages affected by the main works RAP and the main reservoir RAP:</p> <p>[LR 9] Support to Sustainable and Green Charcoal Production</p> <p>[LR 10] Restoration of Access to Water for Domestic and Drinking Purposes</p> <p>[LR 11] Restoration of Livestock Access to Water</p> <p>[LR 12] Support to Develop Small Scale Irrigation</p> <p>[LR 13] Support for Fisheries Activities for Affected Communities Around the Main Reservoir</p>
Livelihood Restoration Measures for Vulnerable Households	Affected Vulnerable Households	[LR 14] Assistance for Land-Clearing and/or Preparation of Agricultural Fields
		[LR 15] Provision of Small Livestock (Goat or Sheep)
		[LR 16] Support to Develop Beekeeping

## 10. Resettlement Action Plan Schedules

When preparing this GLAC, it was planned to organize the Mpatamanga HPP land acquisition, compensation, and resettlement process into four main phases aligned with the Project's construction schedule. Four separate Resettlement and Livelihood Restoration Plans will be developed for each phase of the project as follows:

Figure 8: RAP phases



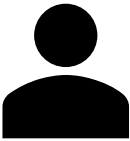


This RAP is the Main Works RAP.

Each phase will entail a Resettlement Action Plan (RAP) that will, among other elements, include the compensation rates.

# 11. How to Contact the Project

If you have a grievance or need to contact the Project, please use one of the following channels to get in touch.

Table 5: MHPL contact details

Channel	How?
	<ul style="list-style-type: none"> <li>• To a GoM PIU or MHPL representative, e.g. during their visits to local communities.</li> <li>• At regular MHPP stakeholder engagement meetings; for example, MHPP Monthly Community Engagement Meetings and Quarterly Stakeholder Engagement Meetings.</li> <li>• At the GoM PIU (Ministry of Energy office in Lilongwe) or MHPL (Blantyre + Site offices):                             <ul style="list-style-type: none"> <li>○ Ministry of Energy, 2nd floor, Capital House, City Center, Lilongwe 3.</li> <li>○ MHPL Addresses:                                     <ul style="list-style-type: none"> <li>▪ <u>Headquarters</u>: 16, 17 and 18 on First Floor, Almira Complex at Plot Number BC1114, Mandala, Blantyre.</li> <li>▪ <u>Site Office</u>: S137, near Main Dam site, Blantyre District.</li> </ul> </li> </ul> </li> <li>• To Village focal points; specifically, members of a Group Village Grievance Redress Committees (GVGRCs).</li> </ul>
	<ul style="list-style-type: none"> <li>• To GoM PIU: +265 1 770 688.</li> <li>• To MHPL: 4265 (Toll Free Number) or 0886 595 369 (Airtel) or 0886 595 369 (TNM).</li> <li>• To members of a Group Village Grievance Redress Committees (GVGRCs).</li> </ul>
	<p>By placing a completed GRM Form or written letter in an MHPP Suggestion Box. These are currently located in directly impacted villages in Blantyre and Neno Districts. Each Box is held by a GVGR member however boxes are opened by MHPL Grievance Officers; for reasons of confidentiality.</p> <p>By email to the GoM or MHPL:</p> <ul style="list-style-type: none"> <li>• GoM Email: <a href="mailto:info@energy.gov.mw">info@energy.gov.mw</a></li> <li>• MHPL Email: <a href="mailto:info@mpatamangahydro.com">info@mpatamangahydro.com</a></li> </ul> <p>By mail to the GoM or MHPL:</p> <ul style="list-style-type: none"> <li>• GoM Postal Address: Ministry of Energy, Private Bag 309, Lilongwe 3, MALAWI.</li> <li>• MHPL Postal Address: P.O. Box 886 Blantyre, MALAWI.</li> </ul> <p>Via the GoM or MHPL websites:</p> <ul style="list-style-type: none"> <li>• GoM website: <a href="http://www.energy.gov.mw">www.energy.gov.mw</a></li> <li>• MHPL website: <a href="http://www.mpatamangahydro.com">www.mpatamangahydro.com</a></li> </ul> <p>to Village focal points and/or other members of Project GVGRCs.</p>

## 12. Definitions of Terms

Table 6: Definitions of terms

Term	Meaning
Adequate housing	Defined by the following criteria: security of tenure; availability of services, materials, and infrastructure; affordability; accessibility; habitability; location; and cultural adequacy.
Affected person	Person experiencing either physical or economic displacement (See also displaced person and project-affected person).
Compensation	Payment in cash or in-kind for loss of an immovable asset or loss of access to resources and livelihoods that is acquired or affected by the project.
Customary right holder	Refers to those who do not have formal legal rights to land or assets but have customary or traditional rights recognized or recognizable under the laws of the host country.
Cut-off date	The date after which anyone who moves into the Project area is no longer entitled to compensation and/or assistance. In practice, the cut-off date is usually the date of completion of the census of people and inventory of assets in the Project-affected area, unless there are local legal provisions for another arrangement. Persons found occupying the Project area after the cut-off date are not eligible to Project compensation or other resettlement benefits. Similarly, fixed assets (such as built structures or crops) established after the cut-off date will not be compensated.
Displaced person	Same as affected person
Economic Displacement	Loss of assets (including land) or access to assets that leads to loss of income sources or means of livelihood as a result of project-related land acquisition or restriction of access to land and natural resources.
Physical Displacement	Loss of dwelling or shelter as a result of project-related land access, which requires the affected person(s) to move to another location.
Entitlement	Range of measures comprising compensation, income restoration, transfer assistance, income substitution, and relocation which are due to Project Affected People, depending on the nature of their losses, to restore their economic and social base.
Forager	Gatherer of non-timber forest products, such as berries, mushrooms, wild fruit, herbs, and medicinal plants.
Gender-based violence	Any form of violence, including physical and verbal abuse, related to social and cultural expectations of gender roles and relationships, often for the purpose of sustaining power.
Household	One person or a group of persons who share a dwelling unit, and for a group, share at least one meal a day.
In-fill resettlement	Involves relocating displaced persons into existing neighbourhoods rather than development of resettlement sites.
Informal settlers	Person or group of persons with no recognizable legal right to the land they use or occupy; commonly referred to as squatters.
Involuntary resettlement	Physical and/or economic displacement whereby affected persons or communities do not have the right to refuse land acquisition or restrictions on land use resulting in their relocation. This occurs in cases of lawful expropriation or restrictions on land use based on eminent domain, and in cases of negotiated settlements in which the buyer can resort to expropriation or impose legal restrictions on land use if negotiations with the seller fail.
Land Acquisition	Land acquisition refers to all methods of obtaining land for Project purposes, which may include outright purchase, expropriation of property and acquisition of access rights, such as easements or rights of way. Land acquisition may also include: (a) acquisition of unoccupied or unutilised land whether or not the landholder relies upon such land for

Term	Meaning
	income or livelihood purposes; (b) repossession of public land that is used or occupied by individuals or households; and (c) project impacts that result in land being submerged or otherwise rendered unusable or inaccessible. 'Land' includes anything growing on or permanently affixed to land, such as crops, buildings and other improvements.
Land requirements	All lands to be acquired for the project (see land acquisition above) and all restrictions on land use (see definition below) which are needed by the Project or imposed by the Project for safety reasons or other operational needs.
Livelihood	Livelihood is the full range of means that individuals, families, and communities utilize to make a living, such as wage-based income, agriculture, fishing, foraging, other natural resource-based livelihoods, petty trade, and bartering.
Livelihood restoration	The process of restoring (or improving) affected persons' livelihoods to preproject levels (or better).
Livelihood restoration plan	A planning document that outlines the necessary activities and measures to be implemented to restore livelihoods.
Non-resident	Affected landowner who owns land affected by the Project land requirements, but are not residing in the areas or villages directly affected by the Project land requirements.
Opportunistic settlers	People who encroach in the area after the establishment of the cutoff and are therefore not eligible for compensation.
Orphan land	Unacquired parts of a land parcel which are left unusable or undevelopable (either temporarily or permanently) as a result of the project's land acquisition or expropriation. Also referred to as severed land.
Project-affected person	Same as affected person
Replacement cost	The replacement cost is the market value of the asset (with no depreciation) plus transaction costs.
Resettlement action plan	A planning document that outlines the process, activities, and measures to be implemented for resettlement-affected persons.
Resettlement or livelihood restoration framework	A resettlement or livelihood restoration framework is a document that outlines the general principles for managing resettlement and livelihood restoration when the exact nature or magnitude of the land acquisition or restrictions on land use are unknown due to the stage of project development.
Restriction on land use	Limitations or prohibitions on the use of agricultural, residential, commercial, or other land that is directly introduced and put into effect as part of the project. These may include restrictions on access to common property or natural resources (such as water bodies), restrictions on land use within utility easements, or safety zones.
Security of tenure	A right of resettled individuals or communities that are resettled to a site that they can legally occupy and where they are protected from the risk of eviction.
Transaction costs	All costs that may be incurred because of the transaction or transfer of assets, such as taxes, stamp duties, legal and notarization fees, registration fees, travel costs.
Transition period	Period between the occurrence of the displacement and the time when affected livelihoods are restored.
Vulnerable groups	These groups include people who, by virtue of gender, ethnicity, age, physical or mental disability, economic disadvantage or social status, may be more adversely affected by displacement than others and who may be limited in their ability to take advantage of resettlement assistance and related development benefits.

# Annexe 5 – Community Sensitisation Meetings



**A            Sensitization meetings minutes of meetings**



### COMMUNITY SENSITIZATION MEETING

Location:	GVH: Kaliati
Villages Attending	M'bwinja and Divala
Date:	10 April, 2025
Time:	11:00
Project Representatives:	SLR, C12, MPATAMANGA HYDRO-POWER LIMITED

## Minutes

Name	Comment/Question	Name	Response/Discussion
Timothy Phimba (M'bwinja)	<ol style="list-style-type: none"> <li>1. It was stated that the team has arrived and is ready to start work, however the actual dates were not clearly communicated. We are here because we heard that the project is starting. So, when you say another day, does it mean that we should go back and wait for another message?</li> <li>2. So, will you tell us where you will start or will you start just anywhere?</li> <li>3. So, say a person is affected and they will not be needed tomorrow, so when exactly will registration begin so that we are be available at that time because maybe there will be other things that will require the owner's presence? Or maybe we will hear it from the chiefs?</li> <li>4. This project seems to be in its the last phases, is it not possible for you to tell us the whole processes so that we plan for us to be available during the exercise and not miss out on things because I travel a lot?</li> <li>5. Now I understand that after being registered, there will be no need for us to build which means that any works must be suspended right? And that you will finish all the processes from; registration of assets to calculations of compensation- then we will know the amounts each is going to receive as compensation, So, for a farmer like me who depends on farming what will I be eating during that time?</li> <li>6. Thank you for opening my eyes in another way, my concern now is, the last time, 2020-21 The Project registered some poeplw and who were told to stop doing whatever they do with their land</li> </ol>	<ol style="list-style-type: none"> <li>1. Clement Repussard</li> <li>2. Khazgani Nasasara</li> <li>3. Khazgani Nasasara</li> <li>4. Clement Repussard</li> <li>5. Clement Repussard</li> <li>6. Morton Manjawira</li> </ol>	<ol style="list-style-type: none"> <li>1. Demarcation of land will begin tomorrow</li> <li>2. Demarcation of land will begin tomorrow in M'bwinja. Only chiefs and their representatives will be needed. After this exercise, people will be able to know if they are affected or not</li> <li>3. After demarcation, messages will be sent through the chiefs for people to go and check if they are affected but we do not know when demarcation of the land will end exactly at what date.</li> <li>4. We aren't able to give you exact dates but the Project is communicating with you on a regular basis about progress and next steps.</li> <li>5. The project sets a cut-off date for recording assets on affected lands. After this date, any assets or crops planted will not be recorded. However, if people want to continue planting on the land, they can still do but the team will not come back to record the assets that were planted after the cut-off date. In short, the project only compensates all assets that were</li> </ol>

	<p>plots. Afterwards, the project stopped. So, the thing I am doing irrigation on my land and for me to stop doing that and have me wait upon the compensations which at by the end of a long wait the project stops. So, tell me the truth now because my interest has shifted from this place and all I think of is compensation money so I can buy land elsewhere.</p>		<p>recorded before the cut-off date but others still choose to grow their plants. If it happens that the works has begun and the plants that you have planted after the cut-off date, have not yet matured, the project removes the crops and does not compensate because they were planted after the cut-off date.</p> <p>6. The project is still the same. The owners launched a grievance and it is being looked into.</p>
<p>Phillip Kachingwe (Divala)</p>	<ol style="list-style-type: none"> <li>1. You have said that works will begin in M'bwinja, so when will the exercise begin in Divala because others stay as far away as Chikuli and it is difficult for us to hear about meetings.</li> <li>2. You have mentioned that you will be working for 2 weeks and then announce the cut-off date, please announce when the people will receive their compensation during the next meeting because we will be waiting for the compensations.</li> </ol>	<ol style="list-style-type: none"> <li>1. Khazgani Nasasara</li> <li>2. Morton Manjawira</li> </ol>	<ol style="list-style-type: none"> <li>1. As soon as we finish M'bwinja, we will begin in Divala. And also, messages will be sent through the chiefs. However, if we know that you are affected, efforts will be made to communicate with you directly</li> <li>2. You will know the day you will receive the compensations because we usually come with letters that shows the stages of resettlement processes and we clearly explain the stage we are at that time.</li> </ol>
<p>Andrew Kachingwe (Divala)</p>	<ol style="list-style-type: none"> <li>1. Politicians uses the same road you have mentioned as their campaign tool to say when they get into power, they will maintain it.</li> <li>2. It is my plea that instead of the tarmac to end at Nkula turn off, is it possible for it to be extended</li> </ol>	<p>Clement Repussard</p>	<ol style="list-style-type: none"> <li>1. We will sideline ourselves from politicians because as we have said, the project is funded by the government and some organizations</li> </ol>

	to at least reach Snr Chief Kunthembwe's court?		that are not of the government. 2. The plans are already in place that the road will be as planned. However, if there will be more money, it will be taken into consideration.
Leonard Mtambo (M'bwinja)	<ol style="list-style-type: none"> <li>1. I appreciate that from Chikuli to M'bwinja there will be a road which will make transportation easier. My request is that is it possible for the project to build a clinic here and hire a clinician as well because people travel long distances to reach the hospital</li> <li>2. For the affected person, what if the person does not want to receive money. Is it possible for the project to do something else for them for example; build a house regardless of the assets the project has removed.</li> </ol>	Clement Repussard	<ol style="list-style-type: none"> <li>1. The request for the clinic will also be taken into consideration and if anything, it will be communicated to you</li> <li>2. For the PAP whose house has been affected, it is the wish of the project to build the house for them, if they pick in-kind compensation. However, most people opt for money. But for those with land or crops or trees, the project only compensate them with money.</li> </ol>
Isaac Sipiliyano (Divala)	The road that has been said does not reach our village. Does it mean that you do not plan to include the construction of the road that reach our village. From Chikuli to Thombozi	Morton Manjawira	<ol style="list-style-type: none"> <li>1. The roads that will be constructed will be known to you once the demarcation is done, then you will see it clearly.</li> <li>2. The project is not constructing roads but rather a road that will connect where the bigger/main reservoir dam to the smaller regulating dam.</li> <li>3. Meetings will be organized so that people can voice out what they want and may be taken into consideration.</li> </ol>







## COMMUNITY SENSITIZATION MEETING

Location:	GVH: Kaliati
Villages Attending	Kambalame
Date:	1 May, 2025
Time:	09:00 AM
Project Representatives:	SLR, C12, MPATAMANGA HYDRO-POWER LIMITED

## Minutes

Name	Comment/Question	Name	Response/Discussion
Geoffrey	<ol style="list-style-type: none"> <li>1. You've said that you want to put pegs where you want us to resettle, what if a person has found a place far from where you want us to relocate, what will be the procedure? Will the project build a house for that person?</li> <li>2. What if the person bought that land but did not finish paying the money for the land where he/she wants you to build a house, what will the procedure be?</li> <li>3. Will unfinished structures be considered?</li> </ol>	<ol style="list-style-type: none"> <li>1. Community Member</li> <li>2. Alberto Rozario</li> <li>3. Alberto Rozario</li> </ol>	<ol style="list-style-type: none"> <li>1. The demarcated areas show the land that will be acquired. If you choose in-kind compensation over cash compensation then you will have the option to live in one of the three resettlement sites if you are from Chaswanthaka, Mpindo or Kambalame, or else you can do assistant self relocaton within the same GVH.</li> <li>2. Previously, we explained that one of the advantages of resettling in the designated area is the ability to share resources such as water and other facilities. However, some individuals have expressed a preference to live farther away from others. It is important to note that living outside the resettlement area may limit access to certain benefits. For example, the project cannot provide a borehole for a single household that chooses to live separately. In summary, while the project will construct a house in the location of the PAP's choice, this must still be within the same GVH.</li> <li>3. Yes, every asset will be considered regardless of the level</li> </ol>
Sonesi Tomasi	<ol style="list-style-type: none"> <li>1. Previously, you said that we can be doing anything we want at our places whether building more structures on the land. So, now I have built a house on my land and I have finished everything but I have not</li> </ol>	Alberto Rozario	Yes. What is on the affected land will be recorded.

	entered it yet. So, when you start surveys, are you going to record this house or not?		
Miriam Sambani	1. Say a person has five houses and all have been affected. Will the project allow that person to choose from building them all the five house or build some houses maybe one house and the rest the person chooses to receive money?	Alberto Rozario	You will have a choice, as explained between cash and in-kind compensation.
Don Sinoya	What if a person was planning to clear the land and plant crops. Will they be allowed to harvest their crops.	Alberto Rozario	We record what is on the land at the moment of the census/asset inventory and people have the right to harvest.
Robert Lenard	We are hearing a lot of things on where the road will pass, others are saying it will pass behind the mountains to Nkhwali village. So, I would like to know clearly where the road will pass through from Chikuli to Mwanza.	Khazgani Nasasara	[Demonstrates where the road is passing] However, it will be more clear once demarcation is done.







# COMMUNITY SENSITIZATION MEETING

Location:	GVH: Kaliati	
Villages Attending	Nkhwali	
Date:	1 May, 2025	
Time:	01:00 PM	
Project Representatives:	SLR, C12, MPATAMANGA HYDRO-POWER LIMITED	

## Minutes

Name	Comment/Question	Name	Response/Discussion
Charles Lebalasi (Nkhwali)	<ol style="list-style-type: none"> <li>1. It takes time to process an ID from the DC's office. What if you need the ID urgently? How are you going to help that person.</li> <li>2. You have said we can continue working in the land until we are told to stop. What if you have planted crops, you are about to harvest and it's time to receive compensation, are you going to wait for our crops to be harvested?</li> </ol>	Alberto Rozario	<ol style="list-style-type: none"> <li>1. This is something you can raise with the Project. You will have support in opening a bank account from the Project, and that involves also getting your ID in place.</li> <li>2. You have the right to harvest your crops</li> </ol>
Caros Ntembenza (Nkhwali)	If you bought a land that was register in 2020, you have a PAP card but you haven't received compensation yet and you want to build a house, how are going to help that person	Alberto Rozario	If the land has issues with ownership you need to report to grievances committee for help. If you sold the land let the new owner, come and register so that he or she can get a PAP card.
Charles Lebalasi Jr (Nkhwali)	<ol style="list-style-type: none"> <li>1. I would like to know the criteria you use when counting trees. Do you count each tree or you have other methods you use?</li> <li>2. How are you going to ensure that you don't repeat counting the trees</li> <li>3. Are you going to pay the owner of the land for helping in counting of the trees</li> </ol>	Gerald	<ol style="list-style-type: none"> <li>1. We will count each tree together with the owner or representative of the land owner.</li> <li>2. We will not mark each tree. We will use danger tape and paint to demarcate where we have counted. Feel free to ask when you have any question during counting.</li> <li>3. No, you are not going to be paid for working in your own land</li> </ol>
Seven Witikala (Nkhwali)	How can you assist someone who is not around, maybe they are in South Africa, to register his or her land since you will need ID?	Alberto Rozario	You can represent him or her. And they can use or send the ID



Government of Malawi

## COMMUNITY SENSITIZATION MEETING

Location:	GVH: Felemu
Villages Attending	Felemu (but some Nkhwali & Kambalame PAPs also attended)
Date:	22 May, 2025
Time:	09:38 AM
Project Representatives:	SLR, C12, MPATAMANGA HYDRO-POWER LIMITED

## Minutes

Name	Comment/Question	Name	Response/Discussion
<p>Fabiano Paulo Dobi</p>	<ol style="list-style-type: none"> <li>1. My question is on the land that you will need for the road. You will delineate the whole land plot but will only count the assets on the affected part. After you have done that who will own the assets on remaining part of the land?</li> <li>2. Comment- the question should be said directly. These people will record your assets now but after they have gone, others will come to verify the assets. Now because they have said that you can do whatever thing you want on your land and you have cut the trees down. What if the other people come and find no trees on your land, will that not make these people liars? So, let us not cut down the trees so that evidence should be found when the people from the government arrives.</li> <li>3. Comment; we as a village, every program concerning the road will be appreciated because ever since the bridge fell in 2019 transportation has been very difficult for us to visit Blantyre. So, thank you very much because I know that you found this matter of road construction even in the grievance boxes from our area. Now we know that with the coming of this project in our villages, transportation will be easy even when we want to sell things or to get necessities from Blantyre. Today, we say thank you for this.</li> </ol>	<p>Alberto Rozario</p>	<ol style="list-style-type: none"> <li>1. You will get compensated for the assets that will be affected because that is the land the Project will take, the assets on the remaining part of your land will stay yours.</li> </ol>
<p>Steveria Flackson (Kambalame)</p>	<ol style="list-style-type: none"> <li>1. You have said that you will be coming to our houses and ask how many children that house have. Will you record all the children one has including those that are married?</li> </ol>	<p>Alberto Rozario</p>	<ol style="list-style-type: none"> <li>1. We will not be visiting your homes to record your household members but we will ask those questions when we meet at the affected plot. We will</li> </ol>

			record all the people staying in the same house and that the decisions of the household head whether to eat that day or not affects them. We will not record those that are married and stay on their own out side of the affected areas.
Charles Tchale (Kambalame)	Say you have a land plot that has been affected both on conservancy area and the road. Will that person have 2 PAP cards for the 2 sides affected.	Guedion Habtegabriel	They will be given 1 PAP card
Mataliya Paulo (Kambalame)	It may be possible that a person was registered at your first plot and you have a PAP card, then you are going to register another land plot that is also affected. How will it be handled?	Alberto Rozario	The answer is still the same, you will still have 1 PAP card but all the land plots affected will be recorded.
Francis Banda (kambalame)	Comment; in short it is not allowed for a person to be registered two or more times or that you should have more than 1 pap card. You only need 1 pap card		
Anderson (Kambalame)	<ol style="list-style-type: none"> <li>1. You have a family land on the conservation area that has been affected and you do not want to share the land amongst yourselves but you decide to just register one person to represent the whole family, and you have another land plot on the road side which you decide to share and register individual families. How will this be handled?</li> <li>2. Comment; when the people visited my land, they said that they have just delineated the plot and that others will come to</li> </ol>	Alberto Rozario	If that is the case, then you will mention the name of the person we recorded and we will look it up. At first, this person was recorded as not impacted but is among the family members. Now that they have been affected, we will find the name and change from 'not impacted' to affected. If there are structures affected, they will be measured. Meaning to say, they will now be affected as individuals and will be given a PAP card.

	<p>count the assets found on the land. And they said that, when the trees are counted, no one should cut them down.</p>		
<p>Harriet Paul (Kambalame)</p>	<p>Say a person has trees that you depend on for survival but you have said that with the coming of this project, we are not supposed to cut down those trees. So, now that you have told us to stop cutting the trees, what will I do now for survival?</p>	<p>Alberto Rozario</p>	<p>I've explained that people should continue their usual activities on their land and not stop their livelihoods. The project does not require anyone to stop working until we officially communicate that it's time to do so. I gave an example to clarify: after we record and count assets, government representatives may visit to verify details, such as the number of trees. If they arrive and find no trees, it becomes difficult to confirm what was originally there. That's why it's important to maintain the current state until verification is complete</p>



## CHASWANTHAKA COMMUNITY SENSITIZATION MEETING

Location:	GVH: Kaliati
Villages Attending	Chaswanthaka
Date:	9 August 2025
Time:	09AM-10:30PM

## Minutes

Name	Comment/Question	Name	Response/Discussion
Cosmas William (Chaswanthaka)	The process of compensation for the resettlement sites and for the S137, will it be the same?	Alberto Rozario	The pegs in the resettlement sites are different ones for a different phase as-well but for the same project. The process will be the same but you will use the same PAP card if you have been affected in all the areas.
Roben Francis (Chaswanthaka)	So if you are using the same PAP card, will the compensation be treated the same?	Alberto Rozario	The compensation will be treated separately because the RAP phases are different. The RAP we did earlier this year in February 2025 is different to the one we are now doing. So the assets that got recorded then is for that compensation process and the assets that we will be recording now is for this process and RAP.
Christina Jodo (Chaswanthaka)	What if the land is not yours but the trees on that land plot are yours, how will that go?	Alberto Rozario	For the S137, the project is interested on the assets alone because the land belongs to the government and as such only the owners of the assets will be considered and compensated.
Mercy William (Chaswanthaka)	What if someone is a family representative in the resettlement area, and also has been affected on the road, how will you treat that?	Alberto Rozario	Only the owner of assets will be compensated.
Hamilton Joseph (Chaswanthaka)	The S137 road did not reach the Mpindo side, where the S137 has ended, will the compensation be only for the assets or for both?		On the S137, the existing road, the land will not be compensated for, but you will see that the new road to be built will divert away from the existing S137, in that case both land and assets will be compensated for because that land is not in the existing road reserve, which belongs to the government.

Photographs





## MPINDO COMMUNITY SENSITIZATION MEETING

Location:	GVH: Kaliati
Villages Attending	Mpindo
Date:	9 August, 2025
Time:	11AM-12:30PM

## Minutes

Name	Comment/Question	Name	Response/Discussion
Malita Jemitala (Mpindo)	I want to understand how the delineation process will go like.	John Sungani (Community Member)	We are here today to explain that the deliniation will take place by marking or using beacons to show what assets and land will be impacted by the Project. For the process you will see cement beacons or even red tape. After the delinition our team will start the census and asset inventory for those who is impacted (meaning those who have assets within the demarcted area).

## Photographs





**B Sensitization meeting attendance registers**



Date: 10/04/25

Location: Mbwinje/Divala

Project: Mpehanga RAP Sense Fixation

Stakeholder Type: Community

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	NICKSON KABANGO	M	Community	-	N KABANGO
2	ANDULO CHINGWACH	M	Community	-	A CHINGWACH
3	Phillip Kachingwe	Male	Business Man	098715 8816	
4	Andreas Kachingwe		Business	0998194387	A Kachingwe
5	John Bwanda	male	Community	-	J Bwanda
6	NCHALO loges	male	"	-	NC loges
7	DYSON January	male	"	027679642	DJA
8	FINISON JAMBO	male	"	-	F JAMBO
9	lobi Lebekani	male	"	-	L Lebekani
10	Sitirini JOGE	male	"	-	S JOGE
11	RONALD MTHAMBO	MALE	CARPENTER	0884411889	
12	PIYASON MANIWEI	Male	Community	-	P maniwei

Date: 10-04-2025

Location: Mtwiga District

Project: Mpumanga RAP sensitization

Stakeholder Type: Community

### Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	JAME NEHALOS	male			
2	Wilson Frackson	Male			J NEHALOS
3	Khazgani Nassera	F	C12	098 3472884	Wilson Frackson
4	Enzo Bellini	M	SLR	09916286440	
5	William Paredo	M	C12	0980 531 782	
6	Morton Manywiru	M	MHP	099 7201702	
7	GERALD MANDOTA	M	C12	0997741998	
8	Letliso Tuba	F	C12	0993323287	
9	Augustine Sefera	M	C12	0993677358	
10	JOHN MSINKHU	M	C12	0885287096	
11	Golden Mankula	M	C12	0994293930	
12	Bernadette Mwasungu	F	C12	0994735097	
				0999124503	


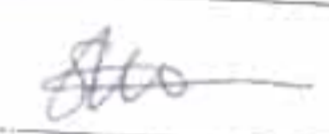





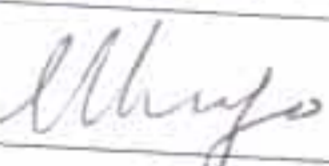
Date: 10<sup>th</sup> April 2025

Location: Mwinja & District

Project: Mpelemenge RAP Sensitization

Stakeholder Type: Community meeting

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Fleance Ngalonde	M	C12	0992506747	
2	Steveria Sande	F	C12	0884482196	
3	Emmanuel Thumbo	M	C12	0887603692	
4	SENNIS CHIRUNDU	M	C12	0884822492	
5	Mujero Girdile	F	CH	0759561544	
6	Nitah B. Magude	F	C12	0884661992	
7	Tatewa Mwijera	F	C12	0990375791	
8	Adrian Mthango	M	C12	0999300314	
9					
10					
11					
12					

Date: 10-04-2025

Location: Mbwinda & Divala

Project: Mpatenga RAP sensitization

Stakeholder Type: Community

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Tebeza Kagera	F	VH Mbwinda		
2	John Piasoni	M	VH Divala	0885549986	T. Kagera
3	Waleisoni bota	M	<del>VH</del> Divala		JP
4	Joseph Samuel	M	<del>VH</del> Divala		W. bota.
5	Mpimba	M	<del>VH</del> Divala		J. Samuel
6	Menasi Piasoni	M	<del>VH</del> Mbwinda		M.
7	Edson Luciani	M	<del>VH</del> Divala	0886873117	M. Piasoni
8	Wiliweedi John	M	Mbwinda	0895114515	edsoni
9	Welyzani gamzani	M	Mbwinda	0893949492	W John
10	Isaki Chiwomboto	M	Mbwinda	0980596067	W. gamzani
11	Jemusipipiliyano	M	Mbwinda		I. Chiwomboto.
12	Inock Pilingu	M	Mbwinda	0982774113	J. Sipiliyano
					I. Pilingu.

Date: 10-04-2025

Location: Mbwinda & Divala

Project: Mbwinda RAP Sensitization

Stakeholder Type: Mbwinda Comm 3

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Paulo Iobekani	M	Mbwinda	-	P. Iobekani
2	Kasimu Pozifala	M	Divala	0983486093	K. Pozifala
3	Eduwan, Jelemina	M	Divala	0888634356	E. Jelemina
4	AIZEKI SIPINYANO	M	Mbwinda	-	A. Sipinyano
5	John Mpatula	M	Divala	0887A42627	J. Mpatula
6	ELESONI WILISONI	M	Divala		E. Wilisoni
7					
8					
9					
10					
11					
12					

Date: 10 April 2025

Location: Mkwinda & Diwale

Project: RAP Sensitization

Stakeholder Type: Community

### Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Stella Nelson	F	Village member	-	S.N
2	Mercy Batsen	F	Village member	-	M.B
3	Ellena John	F	Village member	0893088820	E.J
4	Elita John	F	Village member	-	E.J
5	Falles Ganizani	F	Village member	0889534024	F.G
6	Veronica Buwande	F	Chairperson Committee ya Madando	-	V.B
7	Estere Chiombolo	F	Village member	-	E.C
8	Grades John	F	Village member	089499 084150993	G.J
9	Mangalida Dominiko	F	Leader group	-	M.D
10	Dalija Pearson Pearson	F	village member	-	D.P
11	Chrissy Bile	F	village member	-	C.B
12	Maness Steven	F	village member	-	M.S

Date: 10 April 2025

Location: Mbwija & Divala

Project: RAP Sensitization

Stakeholder Type: Community

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Enaless Danekio	F	village member	-	E.D
2	Cecillia Joseph	F	village member	-	C.J
3	Oliva Kapiri	F	village member	-	O.K
4	Chrisy Willson	F	village member	-	C.W
5	Mariana Dyson	F	village member	-	M.D
6	Joyce Tikondane	F	village member	0989538085	J.T
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12					









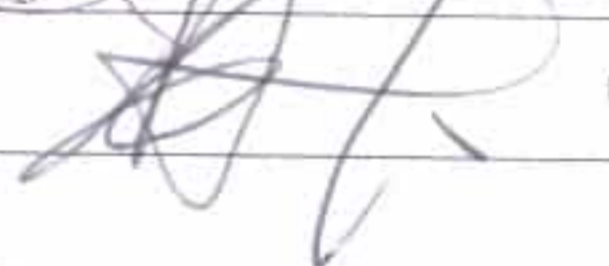
Date: 1 May 2025

Location: Namburume

Project: Mpatamanyan Community Meeting

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Emmanuel Thanda	M	C12	0887603692	
2	JOHN MSWETTU	M	C12	0994293930	
3	Golden Mwanusa	M	C12	0994735097	
4	Fleance Ngalonde	M	C12	0992506747	
5	Lethina Juba	F	C12	0993677358	
6	Tateus Manjera	F	C12	0995375791	
7	Steveria Sande	F	C12	0884482196	
8	Lusevero Gondwe	F	C12	0999561544	
9	GERALD MANDITA	M	C12	0773773247	
10					
11					
12					

Date: 1 May 2025

Location: Kambole

Project:

Stakeholder Type: Community members

### Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Tiyangane Stefano	F	Community member		
2	Esther Paulo	F	"	0886411680	
3	fatsani Maxwell	F	"		
4	Chimwemwe Raphael	F	"		
5	Alena Symon.	F	"		
6	Janet Mpenda	F	"		
7	Miriam Sambani	F	"	0883999490	
8	Esnerk Robert	F			
9	Enifa Robert	F	GRC member		
10	Veresta Chitonga	F	GRC member.		
11	Solness Tomasi	F	Community member		
12	Anne Wyness	F	"		

Date: 1 May 2025

Location: Kambalame

Project:

Stakeholder Type: Community members

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Bernadette Mwabanguhu	F	C12	099124503	Begh
2	Emmanuel kaomba	M	C12	0980848518	<del>Man</del>
3	Nittah Mazande	F	C12	0884661992	<del>A</del>
4	Dennis Chirundu	M	C12	0884822492	Dew
5	Augustine Songere	M	C12	0888277696	<del>W</del>
6	William Rozand	M	C12	099 720 1702	W
7	Chimwemwe Paundi	F	C12	0884046672	Paundi
8	Adrian M. Mhango	M	C12	0999300314	Mhango
9	Kharzani Nasasara	F	C12	0991626690	<del>P</del>
10					
11					
12					

01-05-2025

Date :

Location: Kambalame

Project:

Stakeholder Type: Community Members

### Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Mapukeni Sandikad	M	Community member	0885797537	
2	Christina Singaya	F	Community member		
3	Milani Rodreck	F	Community member		
4	Sailani Rapaele	M	Community member		
5	Robert Leonard	M	"		
6	Puliani Singelapa	F		0884611414	
7	Simon Matas	M	"		
8	Rodreck Paul	M	"		
9					
10					
11					
12					

Date: 1 May 2025

Location: Kambalame.

Project:

Stakeholder Type: Community Members

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Christina Macdonald	F	Community member	-	
2	Sellina Patrick	F	"	-	
3	Meray Chembaka	F	"	-	
4					
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11					
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Date: 1 May 2025

Location: Hambalame

Project: Mpatamanga Community Meeting

Stakeholder Type: Community members

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Winford Leston	M		-	-
2	Biseman Thomas	M		0884384206	
3	Kanyerere Yoliyamu	M		-	
4	Chikumbutso Maxwell	M		-	
5	Francis Banda	M		0999323363	
6	Thomas Kampezeni	M		0884411849	
7	Donie Sinoya	M		0884601723	
8	Frank Thomas	M		-	
9	Patrick Demister	M		0881534871	
10	Geofroy Bertison	M		0893194593	
11					
12					

Date: 1 May 2025

Location: Nkhkwali

Project: Mpostamanager Community Meeting

Stakeholder Type: Community Members

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Moses Chomponda	M	Community member	0881382690	
2	Rhodric Chipalala	M	"	0882700558	
3	Francis Vincent	M	"	0884610508	
4	Christopher Dajson	M	"	0886729731	
5	Charles Labourg	M	"	0881748926	
6	Francis Frank	M	"	0884611453	
7	Stephano Kamwanda	M	"	0882716993	
8	Nedson Abart	M	"	0883982525	
9	Khalous Tembenza	M	"	—	
10	Labans jr Charles	M	"	—	
11	Luisaya 'Fabiano	M	"	—	
12	Wyson Charles	M	"	—	

Date: 01-May-2025

Location: Nkhwalu

Project: Mpstatanga RAP

Stakeholder Type: Community members

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Christina Charles	F	Community member	—	
2	Zyna Tembuzga	F	"	—	
3	Ida Tembuzga	F	"	—	
4	Lucia Charles	F	"	—	
5	Esther Maxwell	F	"	—	
6	Alliet William	F	"	—	
7	Anne Shaibu	F	"	—	
8	Eneless Charles	F	"	—	
9	Grace Black	F	"	—	
10	Mwaiwawo Kadepo	F	"	—	
11	Stellia Sanders	F	"	—	
12	Doreen Chiswenthe	F	"	—	

Date: 1 May 2025

Location: Nkhwaali

Project: Mpstzmangs RAP

Stakeholder Type: Community Members

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Ethel Davie	F	Community member	—	
2	Thoko Joseph	F	"	—	
3	Madalo Dickson	F	"	—	
4	Gladys Mwangi	F	"	0881535905	
5	Pitisoni Davide	F	"	—	
6	Maureen Brown	F	"	0882728043	
7					
8					
9					
10					
11					
12					

Date: 1 May 2025

Location: Nkhosho

Project: Mpatamanga Community Meeting

Stakeholder Type: Community Member

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Lucius Walezi	M	Community member	—	
2	St. Seven Witiwala	M	"	—	
3	June Chimpesa	M	"	—	
4	Masab Mochweni	M	"	—	
5	Precious Malizani	M	"	—	
6	Edward Aliya	M	"	—	
7	Member Damiano	M	"	0887882231	
8					
9					
10					
11					
12					

Date: 1 May 2025

Location: Nkhwalu

Project: Mpetamanga Community Meeting

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Emmanuel Thambo	M	C12	0887603692	
2	Letitia Juba	F	C12	0993677358	
3	Kurekolo Gondwe	F	C12	0999561544	
4	Bernadette Muxangulu	F	C12	0999124503	
5	Adrian M. Mhango	M	C12	0999300314	
6	Fleance Ngalande	M	C12	0992506747	
7	Chimwemwe Paundi	F	C12	0884046672	
8	Augustine Sonjea	M	C12	0888277696	
9	Golden Mnenula	M	C12	0994735097	
10	Athan. B. Magode	F	C12	0884661992	
11	Dennis Chimwemwe	M	C12	0884222492	
12	Bongani Banda	F	C12	0996274003	
	William Tsozuro	M	C12	0997201702	






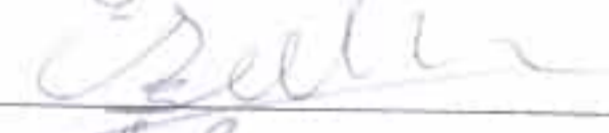



Date: 1 May 2025

Location: Nkhwalu

Project: Mpatamanga Community Meeting

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Steveria Sande	F	C12	0884482196	
2	Tstawa Monjeza	F	C12	0995375791	
3	Jothu Msiakthi	M	C12	0994293930	
4	Emmanuel kaombe	M	C12	0880848518	
5	GERALD MANDOTA	M	C12	0997373287	
6	Enzo Bellini	M	SLR	-	
7	Idissah Aziz	M	C12	0985741848	
8	Mona GROARKE	F	SLR	-	
9	Klazgani Nasasara	F	C12	0991628640	
10					
11					
12					

Date: 22/05/2025

Location: FEREMU CLINIC

Project: Neno S137

Stakeholder Type: community Engagement

### Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Nasigale Stalike	F	Community Member	-	Nasigale. S
2	Gomani Batison	M	Community Chief	0885796101	Batison. G.
3	Mikayeli George	M	Community Member	0994767473	Mikayeli. G.
4	Bikiton Fsnuel	M	Community Member	0882968765	B.F.
5	Symon Ful	M	Community member	-	S.P
6	Vincent Luwys	M	Community Member	0881137825	Vincent L
7	Jaakson Luwys	M	Community Member	0889869887	J. Luwys
8	Alberto Rozano	M	C12		
9					
10					
11					
12					

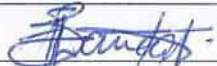
Date: 22/05/2025

Location: FELEMU CLINIC

Project: Neno S137

Stakeholder Type: Community Engagem

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Francis Banda	M	Member	0999550200	
2	Chauwanda Yotamu	M	Community Member	0884463925	C. Yotamu
3	Ayeme Wisikesi	F	Member	-	A. Wisikesi
4	Tamsila Milliasi	F	Community Member	-	T. Milliasi
5	Ayida Dayison	F	Community member	-	A.D
6	Amosi Anne James	F	Community member	-	Anne-J
7	Aginess Yikabe	F	Community Member	-	Agness. Y
8	Magileti Dinesi	F	Community Member	-	M. Diness
9	Richael Kasamwa	F	Community member	-	Kasamwa. R
10	Matsliya Paculo	F	community member	0884520991	M. Paculo
11	Evelesi Alfred	F	community member	-	E.A.
12	Kulayiti Seven	F	community member	0887200676	Seven. K



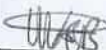

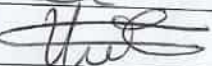







Date: 22/05/2025

Location: FEREMU CLINIC

Project: NENO S137

Stakeholder Type: COMMUNITY ENGAGEMENT

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	TATEWA MONJEZA	F	C12	0995375791	
2	Kwamen Adovi	M	MHPL	0999663 815	
3	BINALI KASIM	M	MHPL	0999608224	
4	Juweno Gondwe	F	C12	0999561 544	
5	Augustine Soyjesa	M	C12	0888277696	
6	Adria Mhango	M	C12	0999800314	
7	Fleance Ngelonde	M	C12	0992506747	
8	Letting Juba	F	C12	0993677358	
9	Guedion Habtegabriel	M	SLR	+3378218672	
10	Nanessa-T. Malambo	F	EAC	0982504282	
11	Kharzani Nassara	F	C12	0991628640	
12	Ian Rite	M	MHPL	0991792707	

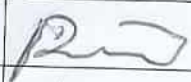

Date: 22/05/2025

Location: FEREMU CLINIC

Project: NENO S137

Stakeholder Type: COMMUNITY ENGAGEMENT

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Lyice Paulo	F	Member	0880606739	L.O
2	Steveria Fraction	F	Community Member	-	S.P
3	Liness Mangima	F	community Member	-	L.M
4	Labia Kachepa	F	community member	-	L.K
5	Alone Timote	F	community member	-	A.T
6	Paul sunderson	M	community Member	0888306287	<del>P.S.B</del>
7	Charles Chary	M	Community member	-	C.C
8	Lenard Robert	M	Community member	0888610901	
9	alafred Kasamba	M	community member	-	Kasamba
10	FABIYONO	M	Community	0886536016	
11					
12					



Date: 22/05/2025

Location: FEREMU CLINIC

Project: NENO 5137

Stakeholder Type: COMMUNITY ENGAGEMENT

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Steveria Sande	F	C12	0884482196	
2	Idrissah Abdulraziz	M	Enumerator	0985741848	
3					
4					
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Date: 9/08/2025

Location: Matsabwiro Primary School

Project: MHPL RAP

Stakeholder Type: Sensitization meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Chilonde Yoseph	F			
2	Stella Magaleta	F			
3	Shanila Balaji	F			
4	Kasaja Yakobe	F		089 819 3648	
5	Kiviness Wilesi	F			
6	Lucy Mutiyoni	F			
7	Marcy Wilson	F			
8	Christina Jado	F			
9	Ellen Christopher	F			
10	Selina Patrick	F			
11	Peter John Joseph	MA		087 970 5495	
12	Ben Kanyamba	M			

Peter John Joseph MA 098 222 3368  
Thomasi Kanyamba M

Date: 09/08/2025

Location: Mpatsabwase Primary School

Project: Mpatsabwase (RAP)

Stakeholder Type: <sup>Community</sup> Sensitization meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Emily Williams				
2	Estelle Gift				
3	Memory Sandjole				
4	Fenny Mathambo				
5	Namand Robert				
6	Joyce Mathambo				
7	Vignia Joseph			0893200881	
8	Elenata Chiwai				
9	Padraic Pitale				
10	Florence Miskock				
11	Eliza Pitale			088573903	
12	Susan James				

Date: 9/08/2025

Location:

Makabwira Primary School

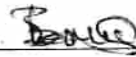
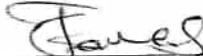


Project:

MAPE RAP

Stakeholder Type:

Stakeholder Meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Harry William	M			
2	Bamus! ngwangua	M		088 5734 082	
3	Bariton William	M			
4	James Ganyu	M		0884118818	
5	Francis Figredo	M		0987400702	
6	Cravenya Chibanga	M		0885146103	
7	Isodem John	M			
8	Ramphe Zarku	M			
9	Golden Mwanza	M	C12	099 473 5097	
10	William Rozano	M	C12	099 7201707	
11	Rodah Friday	F			R.F
12	Tatweya Mwanza	F	C12	099 5375791	

Date: 9/8/2025

Location: Mpatabwira Primary School

Project: MHPC RAP

Stakeholder Type: Sensitization Meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Edwin Lantala	M	<del>0899 638316</del>	0899 638316	<del>JE</del>
2	Francis Joseph	M	<del>099 74 24345</del>	099 74 24345	<del>F</del>
3	William Malaba	M	<del>099 074 9591</del>	099 074 9591	Basikolo
4	Basikolo William	M			
5	Basten Basikolo	M			
6	<del>Harizon Fungu</del>				
7	Grey Ganya	M		099 3127585	Grey Ganya
8	Robrick Maganico	M		088 6121595	<del>RS</del>
9	Wiladi Karamuni	M			
10	Simion Malumbwa				
11	Richard Frank	M		09975 707 768	
12	Salenje James	M		0899 276234	<del>SA</del>

Date: 9/08/2025

Location: Mpatsa Gwiro (Primary School)

Project: MHPL RAP

Stakeholder Type: Sensitization Meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Albert Rozario	M	CI2		Rozario
2	Maggie Danga	F	MHPL	0996600818	
3	Wisdom Lipanga	M	MHPL	088441985	
4	Khazani Nasasara	F	CI2	0991628640	
5	Bernadette Mwasibungu	F	CI2	0999124503	B-salu
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**C            Sensitization meeting key messages**

SLRCONSULTING.COM

# Mpatamanga RAP for Main Works and S137

Community Sensitisation

June - September 2025





# Contents

1. Introduction to the MHPP
2. Early Works RAP Phase 2 (S 137) and Main Work RAP
3. Potential Impacts and Mitigation Measures
4. Delineation
5. Surveys
6. PAP Cards
7. Cut-off Date
8. Q&A



# Introduction to the MHPP

- The Mpatamanga Hydropower Project (MHPP) is a collaborative venture between the Government of Malawi and a private company, Mpatamanga Hydro Power Limited (MHPL), established under a Public Private Partnership (PPP) framework.
- The project entails the construction of a 361 MW dam hydropower facility on the Shire River, located 40km west of Blantyre and nestled between the existing Tedzani and Kapichira hydropower plants.
- The project design includes a main dam that will form a 19km<sup>2</sup> reservoir with a powerhouse, and a secondary regulating dam, which will form a reservoir, and powerhouse to manage the discharged water.
- With a target of generating an average annual energy production of 1,470 GWh, the MHPP is set to significantly bolster Malawi's energy security and alleviate energy shortages.



## Early Works RAP Phase 2 (S 137) and Main Work RAP

- The Project will acquire the Main Works area, which covers all of the dam's main facilities, as well as construction facilities, and the regulating reservoir area and a biodiversity conservancy area.
- The Project will also be upgrading the S137, which will be undertaken on the Blantyre side from Chileka Airport to the Shire River bridge.
- In Blantyre District, the S137's 18-metre road reserve will be surveyed. But only assets, not land, will be compensated within the road reserve, as the road reserve already belongs to the Ministry of Lands.
- The Project is here to identify and compensate the owners and users of these areas. Identification of potentially affected landowners and users will take place over the next few months.
- A census and land/asset surveys will be conducted to understand the users of the land in the S137 and the main works areas.



# Potential Impacts and Mitigation Measures

## **Potential negative impacts:**

- There will be big trucks for the road rehabilitation and to set up the camp and to get equipment to the building sites close to where the Main Dam will be constructed.
- The S137 upgrades will allow light duty vehicles to operate at higher speeds, potentially increasing the risk for motor vehicle and pedestrian–vehicle accidents.

## **Mitigation measures:**

- As such, speed limits will be set up and adapted depending on the vehicles: 30 km/h through villages and 60 km/hr for all surfaced S137 road sections.
- Additionally, awareness and education campaigns about responsible driving and road, vehicle and pedestrian safety in communities along transport routes will be developed and implemented by MHPL, particularly in schools.

## **Positive impacts:**

- The improved road conditions may positively impact future economic activities because of better access to resources (in general) and key economic places such as markets.
- Better connectivity since the S137 will be a public road that will cross the Mpatamanga Dam to replace the existing bridge within the reservoir that is under reconstruction following collapse during flooding in 2019.



# Delineation

- Before the census along the S137 and in the Main Works area the area that the Project need will be demarcated.
- Wooden pegs will be used to mark the area
- Please be respectful and don't remove the pegs because it is also there to help you to see if and how you are impacted
- After the delineation another team will come to start the census process



# Surveys (1)

- **Registration Form (Census)**
  - This will confirm the list of affected households and household members.
  - The census will tell us how each person is affected, and who each affected person is - their name, phone number, and other identifying information, so that we can identify you correctly when the compensation phase comes.
- **Land and Asset Inventory Form**
  - The land questions aim to identify each land parcel's owner so that the data and information can be recorded correctly.
  - It requires us taking a measurement of land plots, and will be for all individuals owning a piece of land in the Main Works area.
  - The asset inventory questions will ask about everything that you own that will be affected by the Project. This way, the Project will be able to compensate you for what you are losing.
  - We will enquire on any affected structures – residential and/or business and/or secondary structures, the types and amount of crops (perennial and seasonal), trees and animals.
    - For those with leasehold or freehold land, please make sure you know your plot number and title number when we do the Asset Inventory with you.



# Surveys (2)

- **Moral Entity/Collective Asset Form**
  - The moral entity form is for collective assets, which are those belonging to a whole community (e.g. a borehole, a school, etc).
- **Business survey**
  - The business survey is for business owners.
  - It will ask about their businesses' assets, so that if their business is affected, they can be compensated.
- **Socio-economic survey**
  - This is to get socio-economic data/information on households.
  - It entails a questionnaire with questions documenting household composition, means of livelihoods, use of natural resources and other socio-economic and demographic information.



# PAP Cards

- During the Census, each PAP will receive a PAP card.
- The PAP card will include a unique ID number, the PAP's name, and their village.
- It is crucial to keep the PAP card for identification during the RAP process and for compensation purposes.
  
- Please remember to bring your National ID card (if you have one) for the Census if you can.



# Cut-off Date

- Only people registered in the land/asset inventory form will be eligible for compensation.
- There is a cut-off date for eligibility, which applies **exclusively to the S137 and the Main Works areas.**
- The cut-off date for these will be the date of the surveys.
- Cut-off dates for other Project components (Reservoirs, Transmission Lines) will be provided later, when land acquisition for these components begins.



Questions?

# Annexe 6 – Close-Out Meeting Minutes



**A            Close-out meeting minutes of meetings**



## CLOSE OUT MEETING

Location:	GVH: Kaliati
Villages Attending	M'bwinja and Divala
Date:	30 April, 2025
Time:	10:29 AM
Project Representatives:	SLR, C12, MPATAMANGA HYDRO-POWER LIMITED

## Minutes

Name	Comment/Question	Name	Response/Discussion
Joseph Samuel (M'bwinja)	<ol style="list-style-type: none"> <li>1. It was stated that the team has finished the surveys and recording assets and that people can go and continue doing their normal or daily works on the land. You were recording trees and a lot of people are using trees. Clarify on this, are we allowed to cut down trees because you only mentioned that we are allowed to continue planting crops and did not specify about cutting trees.</li> </ol>	Khazgani Nasasara	<ol style="list-style-type: none"> <li>1. We explained that our role was to conduct surveys and record the assets on each plot of land. We have now completed this work. This does not mean anyone should stop their daily activities on the land. It simply means that the information collected is now in our database, and after the cut-off date, no additional assets will be recorded</li> </ol>
Joseph Donasiyano (M'bwinja)	<ol style="list-style-type: none"> <li>1. You have answered the previous question well but I need more clarity on the same. Say the plot affected is where people are doing their work (cutting down trees) but it was being done by a lot of people who were told to stop doing their work so that counting and recording assets must be done. So now that you have finished all the work, will it not be a crime for people to cut down those trees? Explain more, we do not want to be arrested because of this.</li> <li>2. On the same, you've said that the affected person will be given forms but someone who is affected did not attend this meeting, is it possible for someone to sign the forms on their behalf?</li> </ol>	Khazgani Nasasara	<ol style="list-style-type: none"> <li>1. You won't get arrested. Don't stop your livelihood activities and keep in mind that there will be a verification process taking place after this census and asset inventory phase by the Ministry of Lands.</li> <li>2. It will depend on where the person is. If the person is in Lilongwe or anywhere far from here, there is a space for a representative to sign. They may sign and keep the form for them only if the owner has consented. But if the person is within Blantyre, we can arrange for a meeting so that the person can sign. The advantage of having the owner sign is that it avoids any doubt or grievance that may arise if someone else</li> </ol>

			has signed on their behalf.
Isaac Chomboto (M'bwinja)	<ol style="list-style-type: none"> <li>1. Before you answer that question, let me explain it this way. Questions are arising more on the side where there will be a smaller dam. A lot of signs were found along that area, we see a lot trees being tied using a barrier tape. So, we were told not to cut-off those trees until your bosses come and take a picture of the forest and see the way forward. So, now you say the cut-off date is on 3<sup>rd</sup> May, 2025. Are we allowed to cut-off the trees with the barrier tape as well? And works that side were stopped so that counting and recording assets be done, now you say its okay for people to cut down the trees, will it not be a crime as the Donasiyano has asked or those crimes</li> <li>2. So, this is to say that, if someone is stopping you from doing your works or has been arrested because of whatever reasons on the land, it has nothing to do with C12 or the project but the owner of the land or their issues in their villages?</li> </ol>	Khazgani Nasasara	<ol style="list-style-type: none"> <li>1. As we mentioned during our visit on April 10, our purpose was to conduct surveys and record assets, not to stop anyone from working on their land. While we carried out our work, we observed people continuing their normal activities, and we want to emphasize that this remains the case, surveys do not prevent you from using your land as usual The barrier tapes you saw there was a sign for us to know where we have already counted and recorded the trees and that the next day we should start off at another point. We did not mean that the tree should not be cut-off. We also explained during our first meeting that we will be putting pegs to show the area affected by the project, those pegs were also a sign that helped you know the boundaries of the project area.</li> <li>2. We have mentioned that the Project is not saying you must stop any work, you must continue with your livelihood activities.</li> </ol>







REDMI NOTE 11S | MPATAMANGA

30/04/2025 10:37



## CLOSE OUT MEETING

Location:	GVH Feremu
Villages Attending	Kambalame and Feremu
Date:	29 May, 2025
Time:	10:00 AM
Project Representatives:	SLR, C12, MPATAMANGA HYDRO-POWER LIMITED

## Minutes

Name	Comment/Question	Name	Response/Discussion
Maxson Nyimbo (Feremu)	Are the PAP cards different from the ones in 2020? What is the difference?	Alberto Rozario	This is still the Mpatamanga Project. However, as communicated in previous meetings, the old cards are no longer in use. Today, we are focusing on the new cards that have just been issued.
Robert Leonard (Kambalame)	For the road, why were some given PAP cards and some not but then all were affected.	Alberto Rozario	If there are areas where you think you were missed then we can meet after this meeting. We need to do a follow-up because all affected PAPs have to have PAP cards. We will check the area and address it accordingly
Lemeti Mbangale (Kambalame)	When will the next phase of asset counting be done?	Alberto Rozario	The date will be communicated.
Robson Rafael (Kambalame)	You are saying that after the cutoff date, we shouldn't be using our trees. What should we do now because we depend on those trees to feed our families?	Alberto Rozario	We are not forcing you to stop using the trees; we are asking you so that when it's time to confirm if the trees are there, they should be able to find them. The project is encouraging you to still work on the land until it is acquired.
Dyson (Kambalame)	What is the relationship between Mpatamanga and the Majete game reserve? Because we are being told that there will be a wire put around the affected area like the one for Majete?	Alberto Rozario	The fenced off area will only be in the conservation area.
Enerest Modester Gusto (Feremu)	We have understood your request for us not to cut down the trees. We are asking you to do fast with the verification and compensation because people here depend on the trees for their survival.	Alberto Rozario	This is well noted.

## Photographs





## CLOSE OUT MEETING

Location:	GVH Feremu
Villages Attending	Nkhwali
Date:	29 May, 2025
Time:	2:00 PM
Representatives:	SLR, C12 and MHPL

## Minutes

Name	Comment/Question	Name	Response/Discussion
Lita Andisen Foster (Nkhwali)	Is it possible to receive the asset form for someone who is not available today?	Alberto Rozario	We advise that the owner should be the one to receive the forms, but if there is a representative then the representative can step forward.
	How long is the compensation going to take place, because the land is used for other things that feed our family?	Alberto Rozario	The PAP can still be using the land, we just advise you to leave the trees counted for. The day for the compensation is currently unknown but the Project will keep you informed and the process is moving along as planned.
	Is it true that the land belongs to the government and not us?	Alberto Rozario	No, that only applies to those along the existing S137 road reserve because the road reserve belongs to the Malawian government.
June Chimpesa (Nkhwali)	It is good to put posters for the project on the borehole as that is where a lot of people go to.	Alberto Rozario	This is noted



## COMMUNITY CLOSE-OUT MEETING

Location: MpatseAbwile Primary school	GVH: Kaliati
Villages Attending	Chaswanthaka
Date:	09 September, 2025
Time:	10:44 AM
Project Representatives:	SLR, C12, MPATAMANGA HYDRO-POWER LIMITED

Minutes

Name	Comment/Question/Concern/Requests	Name	Response/Discussion
Alberto Rozario	The close-out meeting formally addressed the conclusion of the census and asset inventory activities. It also included the distribution of the PAPs' asset inventory forms for verification purposes. No further comments or questions were recorded during the session.	n/a	n/a

## COMMUNITY CLOSE-OUT MEETING

Location: Inosi Scale	GVH: Kaliati
Villages Attending	Mpindo
Date:	9 September 2025
Time:	8:10 AM
Project Representatives:	SLR, C12, MPATAMANGA HYDRO-POWER LIMITED

### Minutes

Name	Comment/Question	Name	Response/Discussion
Joyce Vedias (Mpindo)	Some people, whom their land and other assets were affected and registered, have not been able to attend on this asset forms signing meeting. I would, therefore, like to know if we will be allowed to sign and collect those forms on their behalf. I'm afraid if they miss this opportunity they will not be able to sign and get their compensation.	Alberto Rozario	You may sign and collect asset forms on someone's behalf only if you have been officially authorized to do so. If you do not have this permission, please avoid signing, as it would go against their consent. Those signing as representatives should write their full legal names in the designated section to help us trace records easily. For PAPs who have not signed and have not sent a representative, we will follow up with them through their contacts and local chiefs to ensure their forms are completed. No one will be missed, as our team is still working in the field.

Photographs









**B Close-out meeting attendance registers**

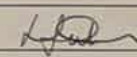
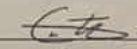
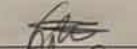
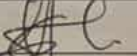
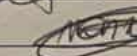
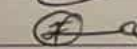
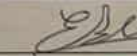
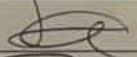

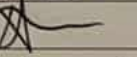
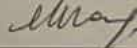
Date: 30-04-25

Location: Mbwinya/Divala

Project: Mpatamanga (RAP)

Stakeholder Type: Close out meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Letitia Juba	F	C12 Consultants	0995677358	
2	Emmanuel Thwaka	M	C12	0887603692	
3	Golden Mawula	M	C12	0994735097	
4	GERALD MASHOTA	M	C12	0993373287	
5	Mona GROARKE	F	SLR	"	
6	FLEANCE NEALONDE	M	C12	0992506747	
7	Enzo Bellini	M	SLR	-	
8	Juraxen Grosche	F	Ch2	0999564544	
9	TATIANA MONTIELA	F	C12	0995375791	
10	Nittah. B. Muzende	F	C12	0884661992	
11	Bernadette Muzbungulu	F	C12	0999124503	
12	Adrian M Mhango	M	C12	0999300314	

Date: 30/04/25

Location: Divela/Mbwinja

Project: Mpatamanga Close Meeting

Stakeholder Type: Community Members

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Watson Bota	M	Member	-	
2	Lyson Jumbo	M	Member	0883660599	
3	Lodson Thomas	M	Member	-	
4	Raphael Fliyadi	M	Member	-	
5	Byron January	M	Member	0897679642	
6	Pearson Emmanuel	M	Member	-	
7	Mauess Steven	F	Member	-	
8					
9					
10					
11					
12					

Date: 30 April - 2025

Location: Mbwinja / Diviala

Project: Mpatamanga Close out meeting

Stakeholder Type: Community Members

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Ellena William	F	Community member	-	
2	Cecilia Sipiliyano	F	"	-	
3	Mercy Manyozo	F	"	-	
4	Falesi Garizani	F	"	-	
5	Glady Zenyu	F	"	-	
6	Tsiliza Aaron	F	"	-	
7	Fanny Lawrence	F	"	-	
8	Alina Mafukeni	F	"	-	
9	Alinafe John.	F	"	-	
10	Margaret James	F	"	-	
11	Margaret Demistah	F	"	-	
12	Mary Lywisi	F	"	-	

Date: 30 April 2025

Location: Mbwija / Director

Project: Mpatamanga close out meeting

Stakeholder Type: Community members

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	NICKSON KRBANGA	M	Community member	-	NICKSON KRBANGA
2	John Kasaka	M	Community member	0988325375	John
3	James Wilson	M	Community member	-	JEMUSI
4	James Menasi	M	Community member	0970603188	JEMUSI
5	Jozza John	M	Community member	-	JOZZA
6	Joseph Samuel	M	"	-	J. Samuel
7	Mofolo Bile	M	"	-	-
8	Chisomo Yesaya	M	"	-	-
9	John Bwanda	M	"	-	-
10	Andrew bogesi	M	"	-	-
11					-
12					

Date: 30-April-2025

Location: Mbulinja / Divisa

Project: Mpatamanga Close out meeting.

Stakeholder Type: Community members.

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Modesta Lyson	F	Community member	-	
2	Lucy Joseph	F	"	0885121094	
3	Cecilia Nelson	F	"	-	
4	Tyankhwenji Kastadi	F	"	-	
5	Anne Lawrence	F	"	-	
6	Katarine Rodgers	F	"		
7	Mariana Dyson	F	"	-	
8	Vernica Tikondane	F	"	-	
9	Modesta James	F	"	-	
10	Oliva Kapito	F	"	-	
11	Steueria Zenyu	F	"		
12	Steueria Lwisoni	F	"		

Date: 30/04/25

Project: Mpatamanga close out meeting.

Location: Diyala/Mbwinja

Stakeholder Type: Community Members

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	John Dumasigano	M	Chief	999	
2	Isacc Chomboto	M	Member	0887754103	
3	Joseph Dumasigano	M	Member	0893949637	
4	Francisco Piyazovi	M	Member	—	
5	Leston Dayitoni	M	Member	0888962459	
6	John Mpatula	M	Member	08874#2627	
7	Gipt Kachila	M	Member	—	
8	Collings Golden	M	Member	—	
9	Gauizani Amos	M	Member	0899536814	
10	Liglat Leston	M	Member	—	
11	Bauega Pafela	M	Member	0883306654	
12	McDonald Dominico	M	Member	—	

Date: 30-April-2025

Location: Mbwija / Divala

Project: Mpatamanga Close out meeting

Stakeholder Type: Community members

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Eliza Luwesi	F	Community member	-	
2	Tereze Thomas	F	"	-	
3	Elube Maliko	F	"	-	
4					
5					
6					
7					
8					
9					
10					
11					
12					


Date: 29-05/2025

Location: Kambalame

Project:

Stakeholder Type: Close out meeting

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Eneles M-Cawto	F	Member	0885787984	
2	Kolaya Somaisi	F	Member	-	L. Somaisi
3	Aida Jovani	F	Member	0884071846	A. Jovani
4	Silivelis Frackison	F	Member	-	S. Frackison
5	Anne James	F	Member	0885-795786	A. James
6	Alane Timothy	F	Member	-	A. Timothy
7	Erena Kapasule	F	member	0881533934	E. Kapasule
8	Selina Patiriki	F	member	0888797215	S. P
9	Alinaf Gwinara	F	member	0829521477	A. G
10	Jolina Mikolasi	F	member	0889363388	J. M
11	Miliyemu Sambani	F	member	0888999490	M. S
12	Dayina Chelute	F	member		d. C

Date :

Location:

Project:

Stakeholder Type:

## Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Izuziliya David	F	atimi member		I . D
2	Izhristina maibardi	F	Comiti	029462203	I . M
3	malija afuni	F	member		M . F
4	Zozzi mali	F	member		L . K
5	gilesi ndayisoni	F	member		G . D
6	muthes jemusi	F	member	0281534691	M . J
7	Fanie Ranyizere	F	member		F . E
8	Venesita chizanga	F	Comiti member		V . A
9	Esiba silivini	F	member		E . S
10	Serena BiliAT	F	member		S . B
11	Maklida Lemeni	F	member		M . F
12	Henwardi wawisoni	F	member		W . W

Date :

Location:

Project:

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Kelifereni Vintura	F	member		K . V
2	eginesidemesitara	F	member		A . N
3	Furisesesi Zakeya	F	member		F . Z
4	mere nyimbo	F	member		M . N
5	enifa Lobat	F	member		E . L
6	Tyanjane Stefano	F	member		T . N
7	magilezi dindi	F	member		M . S
8	cholite minzi	F	member		C . Z
9	ELEN, chipeso	F	member		E . C
10	Elina Thomas	F	member		E . A
11	magilezi malisen	F	member		M . M
12	mese Joni	F	member		M . J

Date :

Location:

Project:

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	chifuniro wiposi	F	Dambalame/membat		C. W
2	mario wiposi	F	Dambalame/membat		M. W
3	Ulita Sawasawa	F	FDI BMU /membat		U. S
4	telesa bilyati	F	Dambalame/membat		T. b
5	lufina kawadi	F	membat		L. H
6	falonosi mali	F	membat		F. M
7	Lundesi silaleu	F	membat		L. S
8	Linesi mangyima	f	membat		L. M
9	Alena Simiyani	F	membat		A. S
10	ANE wayisani	F	membat		A. W
11	Fayina Lomas	F	membat		F. t
12	tifa Phuruso	F	comiti membant		t. P


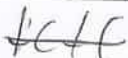



Date :

Location:

Project:

Stakeholder Type:

## Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Paul Sambason	M	37	0888306287	
2	Ichalos & Chalo	m	38		
3	Quke bester	M	39	0982697748	Te. L
4	COSMAS	m.	38	0881312052	
5	Fruou dyson	M	39		F. d
6	John Paul	m	40		J. P
7	FANOCK chibwazi	M	41	0880349625	
8	CLEMENT MIBAUCALE	M	GALVE READER	0881546795	
9	inca Talobz	M	43		I. Y
10	max M nyimbo	M	44		M. N
11	hiese kamgerke	M	45		J. U
12	ngafisi wawasi	M	46	0888609925	M. W

Date :

Location:

Project:

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	HENERV	M	25	-	HEZ
2	Franu Jomacy	m	26	-	JF
3	Tamandiri mbire	m	27	-	Y.L
4	Patricu Lemister	m	28	0881534871	B.L
5	Chitondi P. M. Jambe	M	29	0886200164	<del>Ch</del>
6	Francis Banda	M	30	0999323363	<del>Francis Banda</del>
7	Jaston wlati kutsa	m	31		J. K
8	Maxwell kumanya	m	32	0897748657	M. K
9	Malamba Sikenala	M	33	0888514627	M.S
10	Davi Frusses	m	34	0897748662	D.S
11	Frusses	m	35	08947192160	F.S
12	loben Chipangandu	M	36	0888568491	L.C


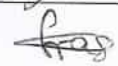


Date :

Location:

Project:

Stakeholder Type:

## Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Luciano James	M	1	0882495435	
2	Sipots Minister	M	2		S.K
3	Fraisses Intuma	M	3	886113046	
4	Bazale Kangenele	M	4	0894219175	B.K
5	Nel Robert	M	5	088982525	N.L
6	Robert Leonard	M	6	0888610901	
7	Loyidi khuluzi	M	7	0888610213	L.Khuluzi
8	Alufied Kasamwa	M	8		A - Kasamwa
9	James Mutusen	M	9	088735373	J.M
10	Fabiyano paulo Dahi	M	<del>8</del> 10	0886536016	
11	Lemusan Sdrilau	M	11		L.S
12	Yesh Mutias	M	12	0881534091	J.M

Date :

Location:

Project:

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Lapher James	M	12	0994767468	J.M
2	Mozes Kasimwa	M	14	0881535954	aw
3	Mafuken Sandeonda	M	15		MIS
4	Donio Simoga	M	16	0884601723	D.S
5	Chitsanzo H. Mwakira	M	17	0995122995	Ch
6	Zakredo Vintula	m	18		Zakredo
7	Winiford Liston	M	19	0885056695	Winiford
8	Semson Gwanzen	m	20	0881671814	Sem
9	Madalitso Dayson	m	20 21	0886550188	Su
10	Emanuelo ferias	M	22	0993194593	Emanuelo
11	Vasco Chikuse	M	23		V C
12	Chifom Issaicus	M	24	0899899897	C.I








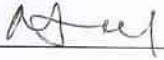
Date :

Location:

Project:

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Lorenzo Kapfamtengo	M	47	0881535 424	
2	Francis Leisosi	M	48		
3	Simeon Frasset	M	49		
4	John Paul	M	50		
5	Paul Mwangi	M	51	<del>099750122</del>	
6	RAPHAEL JEMESI	M	35	0249750122	
7	HAPUKELI	M	37	0889835999	
8	Mwanyi Josi	M	39	0994767673	
9					
10					
11					
12					

Date :

Location:

Project:

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Lupher James	M	13	0994767468	J.M
2	Moses Kasimwa	M	14	0881535954	aw
3	Mafuken Sandeonda	M	15		MIS
4	Jonio Simoga	M	16	0884601723	Jyga
5	Chitsanzo H. Nankwa	M	17	0995122995	aw
6	Zakredo Vintula	m	18		Zakredo
7	Winiford Liston	M	19	0885056695	aw
8	Semsem Ganzen	m	20	0881671814	Su
9	Madalitso Dayson	m	20 21	0886550188	Su
10	Manulo fenias	M	22	0993194593	aw
11	Vasco Chikuse	M	23		V C
12	Chitomu Issaicus	M	24	0899899897	C.I

Date: 29-05-2025

Location: Kambelame

Project: M+PL RAP

Stakeholder Type: Close Out Meeting

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Joyisi Lambisani	F	member		J. J
2	Lagina Juni	F	member		L. J
3	Mesia Jusufi	F	member	0299750122	M. J
4	Tawina Nyimba	F	member		T. B
5	Victoria Chibayen	F	member	0881535123	V. CHB
6	Rebecca James	F	member	0888826432	R. J
7	Mesia Chabalzato	F	member		C. M
8	Patilisha Simiyoni	F	member	0	P. S
9	Lunire Rungereza	F	member		L. R
10	Labiya Wachepa	F	member		L. R
11	Haliyeti Paul	F	member		H. P
12	Dolina tiyosi	F	Anyadwa Bambalame		B. T





Date :

Location:

Project:

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Khaszgan Nasasara	F	C12	0991628640	
2	Lan Prite	M	MHP	0991792707	
3	Emily Nupolo	F	MHP	099726853	
4	Bernadette Mubungula	F	C12	099124503	
5					
6					
7					
8					
9					
10					
11					
12					

Date: 29/05/2025

Location: NKHWALI

Project: MHPL RAP

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Morine Brown	F	Community Member	0882728043	M.B
2	Dorothy Charles	F	Community Member	0897650861	D.C
3	Rozario Ruwaya	F	Community Member	0884583356	R.R
4	Piriani David	F	Community Member		P.D
5	Meny Henry	F	Community Member	0889538265	M.H
6	Rutesi Laston	F	Community Member	0886115737	R.L
7	Kulaiti seven	F	Community Member	0887200676	K.S
8	Eliza Mickfort	F	Community Member	0881033874	
9	Lucia Charles	F			
10	Christina Charles	F	Grievance Committee member		C.C
11	Loyce Pailo	F	Community Member	0880606739	L.D
12	Bitiasi Gibson	F	Community Member	0888620752	B.G

Date: 29/05/2025

Location: NKHWALI

Project: MHPL RAP

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Agness Daiton	F	Grievance Committee Member	0882925443	A.D
2					
3					
4					
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Date: 29/05/2025

Location: NKKHWAL

Project: MHPL RAP

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Alberto Rozario	M	C12	-	
2	Geoffrey Mwanuzi	M	C12	-	
3	Ednissah Abdulaziz	M	C12	0985741848	
4	Golden Mwanuzi	M	C12	0994735097	
5	Binyami Banda	F	C12	0994274003	
6	Adrian Mhango	M	C12	0999300314	
7	Emmanuel Thomska	M	C12	0887603692	
8	William Rozario	M	C12	0997 201702	
9	Xitah B. Mwanuzi	F	C12	0884661992	
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11					
12					

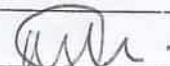


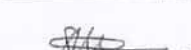


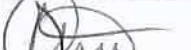

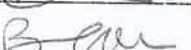



Date: 29/05/25

Location: Nkhwalu

Project: MHPL RAP

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	TATEWA MONJERA	F	C12	0955375791	
2	Lusweo Gondwe	F	C12	099956544	
3	Letina Juba	F	C12	0993677358	
4	Steveria Sande	F	C12	0884482196	
5	AUGUSTINE SONJERA	M	C12	0888277696	
6	JOHN MSINKHU	M	C12	0994273930	
7	DENNIS CHIRUNDU	M	C12	0884822492	
8	Fleance Ngalande	M	C12	0992506747	
9	Bernadette Mwasunguly	F	C12	0999124503	
10	Ian Pire	M	MHR	0991792707	
11	Emily Nzwolo	F	MHR	099726853	
12	Khazgani Nassera	F	C12	0991628642	

Date: 29/05/2025

Location: NKHWAL

Project: MHP L RAP

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Alberto Rozario	M	C12	-	
2	GERARDO MARIANO	M	C12	-	
3	Ednissel Abdulriz	M	C12	0985741848	
4	Golden Mpenzila	M	C12	0994735097	
5	Bingani Banda	F	C12	0996274003	
6	Adrian Mhango	M	C12	0999300314	
7	Emmanuel Thomboko	M	C12	0887603692	
8	William Rozario	M	C12	0997 201702	
9	Xitah B. Ngende	F	C12	0864661992	
10					
11					
12					


Date :

Location:

Project:

Stakeholder Type:

## Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Gomani Batson	M	Chief	0885796101	G.B
2	Aweya Fabiano	M	Community Member	—	L.F
3	Damalekani Chikombika	M	" "	0899183829	D.C
4	Seveu Witikala	M	" "	—	S.W
5	Andriano John	M	" "	0888514580	<del>AK</del>
6	Kingston Daxie Chiuwoko	M	" "	0885796134	
7	Madalitso Dayson M	M	" "	0884550188	MD
8	Raphael Winikes	M	" "	—	R.W
9	Petulo Fote	M	" "	0896241445	P.F
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11					
12					


Date :

Location:

Project:

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Bictou Farnsell	M	Community Member	-	B.F
2	Stauty Black	M	Community Member	-	S.B
3	Charles Lebalasi	M	Community Member	0881748726	C. LEBALASI
4	Byson Hicks	M	" "		
5	James Hicks	M	" "	0877043534	
6					
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Date: 29/05/2025

Location: Khasati

Project:

Mpatawanga Hydro Power Limited

Stakeholder Type:

Community

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	June B. Chimpera	M	Community Member	0888120752	J Chimpera
2	Charles Lebalasi Jr	M	Community Member	0888468216	CL
3	Rodrck Chipata	M	" "	0882700558	DR
4	Joseph Frton	M	" "	0885809317	JF
5	Myalugwe Layisi	M	" "	-	N.L
6	Kayson Charles	M	" "	0881085160	N.C
7	William Julio	M	" "	0897557461	W.J
8	Charles Banja	M	" "	0888509502	CB
9	David Layisi	M	" "	-	D.L
10	Frank Daisen	M	" "	-	F.D
11	John Shina	M	" "	-	J.S
12	Stefano Mwangi	M	" "	-	S.M

Date: 29/05/2025

Location: NKHWALI

Project: MHPL RAP

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Morine Brown	F	Community Member	0882728043	M.B
2	Dorothy Charles	F	Community Member	0897650861	D.C
3	Rozario Ruwaya	F	Community Member	0884583356	R.R
4	Piriani David	F	Community Member		P.D
5	Meny Henry	F	Community Member	0889538265	M.H
6	Rutesi Laston	F	Community Member	0886115737	R.L
7	Kulath seven	F	Community Member	0887200676	K.S
8	Eliza Mickfort	F	Community Member	0881033874	
9	Lucia Charles	F			
10	Christina Charles	F	Grievance Committee Member		C.C
11	Loyce Pailo	F	Community Member	0880606739	L.D
12	Bitiasi Gibson	F	Community Member	0888620752	B.G

Date: 29/05/2025

Location: Khasati

Project:

Mpatamanga Hydro Power Limited

Stakeholder Type:

Community

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	June B. Chimpera	M	Community Member	0888620752	J Chimpera
2	Charles Lebalasi Jo	M	Community Member	08884682161	Ch
3	Rodrnick Chipatala	M	" "	0882700558	DR
4	Joseph Frton	M	" "	0885809317	J
5	Myalugwe Layisi	M	" "	-	N.L
6	Kanyison Charles	M	" "	0881085160	N.C
7	William Julio	M	" "	0897557461	W.J
8	Charles Banja	M	" "	0888509502	Ch
9	David Layisi	M	" "	-	D.L
10	Frank Daisen	M	" "	-	F.D
11	John Shira	M	" "	-	J.S
12	Stefano Mwangiwa	M	" "	-	S.M







Date: 09/09/2025

Location: MPATSEABWIRE PRIMARY SCHOOL

Project: MPATAMANGA RAP (MAIN WORKS)

Stakeholder Type: CLOSE OUT MEETING

### Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Golden Macaula	M	C12	0994735097	
2	Nittah. B. Maganda	F	C12	0884661992	
3	Steveria Sande	F	C12	0884482196	
4	William Rozini	M	C12	899 720 1782	
5	Khissal Abdalriz	M	C12	0985741848	
6	Istewa Monjeza	F	C12	0995375791	
7	Rodah Friday	F	Community Member	0	R-F
8	Bernadette Mumbungulu	F	C12	0999124503	
9					
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Date: 09/09/2025

Location: Mpatseadwire Primary School

Project: Mpatseadwire BAP (Main works)

Stakeholder Type: Close out meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Richard Frank	M		0997570766	
2	Njwango Wilson	M		-	
3	Harry William	M		-	
4	Bernph Zorachu	M		-	
5	Salenja James	M		0899276234	
6	Tsodeni John	M			
7	Bernisi Njwango	M		0885734082	
8	Beriton William	M			
9	James Gaus	M		0884118818	
10	Francis Figredo	M		0987400702	
11	Gramanya Chitanga	M		0885146103	
12	Northambo Simion	M			

Date: 09/09/2025

Location: Mpatsebwire Primary School

Project: Mpatsebwire BAP (Main works)

Stakeholder Type: Closeout meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Wiyadi Kamusi	M			
2					
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Date: 09/09/2025

Location: Mpatsebwire Primary School

Project: Mpatamanga RAP (Main works)

Stakeholder Type: (closeout meeting)

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Grey Ganya	M		0993127585	Grey Ganya
2	Lemitaka Edwin	M		0899639316	LE
3	FRANIS JERU	M		0997424345	FR
4	Rodrick MORGANZO	M		0886121545	RO
5	<del>Elena William</del>	F		<del>0990749571</del>	
6	Veriliana malatzi	M		0990749571	
7	Basitan William	M		0996384490	Basitolo
8	Basitan Basitolo	M			
9	Peter John Joseph	M		0889703495	Peter
10	HAMILTON JOSEPH	M		0982223368	HT
11	Ben Kanyamba	M			
12	Thomas Kanyamba	M			

Date: 09/09/2025

Location: Mpatsebare Primary School

Project: Mpatamanga RAP (Main Works)

Stakeholder Type: Close out Meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Joyce Mathambo	F			
2	Patricia Pitala	F			
3	Florence Misheck	F			
4	Priscilla Dobi	"			
5	Susan James	"			
6	Eliza Pitala	F		0865733903	
7	Chikondi Yoseph	F			
8	Emily William	F			
9	Gyness William	"			
10	Stella Magaleta	"			
11	Vignia Joseph	F		0893200801	
12	Elenata Chisani	F			

Xamata Robert

Estela Gyt

Mwari Sanyalala

Date: 09/09/2025

Location: Mpatseabwre Primary School

Project: MHPL RAP

Stakeholder Type: close out meeting

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Christina Jodo	F			
2	Priscilla Kodwa	"			
3	Mercy Kilbon	"			
4	Selina patrick	"			
5	Shamila Bilagi	F			
6	Madaliso Malwa	"			
7	Alexa Kilian	"			
8	Bridget Jemala	"			
9	Marah Magger	"			
10	Jeanne Yakobe	F		0895193648	
11	Denise Gama Makira	F		0883480535	
12	Livness Kulesi	F			

Elobe Miliyani

Allena Christopher

Fenny Mathambo




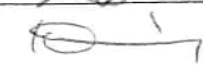

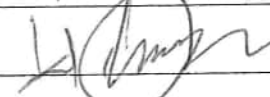



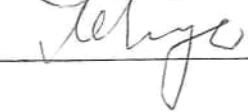
Date: 09/09/2025

Location: Mpatseabwire Primary School

Project: Mpatseabwire BAP (Main works)

Stakeholder Type: Close out meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Emmanuel Thamba	M	CI2	0787603692	
2	Bungani Banda	F	CI2	0994276073	
3	GERALD MANDOTA	M	CI2	0793373287	
4	Khergani Ndasasa	F	CI2	0991628640	
5	Alberto Rocario	M	CI2		Rocario
6	Maggie Denja	F	MHPK	0991600815	
7	Widam Kipasa	M	MHPK	0789141985	
8	Nedson Malinda	M	GVH Felamu	0991132087	
9	Luseken Gondwe	F	CI2	0991561544	
10	Letina Juba	F	CI2	0993677358	
11	Mtula Adrian Mungu	M	CI2	0999300314	
12					

Date: 09-09-2025

Location: MPINDO

Project: Mpimanga (RAP) main works

Stakeholder Type: Close Out Meeting

Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Fanny Moses	F	Community member	0997314086	
2	Chisomo Pulisha	F	"	-	
3	Joyce Issac	F	"		
4	Elin Frazer	F	"	0884415474	
5	Kasiliza Gwason	F	"	-	
6	Agness Stephano	F	"	-	
7	Catherine Davis			0881213562	
8					
9					
10					
11					
12					

Date: 09/09/2025

Location: MPINDO

Project: MPATAMANGA RAP (MAIN WORKS)

Stakeholder Type: CLOSE OUT MEETING

### Consultation Record sheet

N°	Name	Gender	Organisation / Position	Phone No.	Signature
1	Lufalet Malino	F	Community Member	-	Z.M
2	Esime Jafali	F	Community Member	-	E.J
3	Felisia Jackson	F	Community Member	-	E.J
4	Anne Cuwara	F	Community Member	0885114798	A.G
5	Mangalita Kazembe	F	Community Member	09931400001	M.K
6	Emma Stephano	F	Community Member	0896243818	E.S
7	Peason Gavinala	M	Community Member	-	P.G
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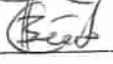



Date: 9/09/2025

Location: Mpinda

Project: Mpefemanga close out meeting

Stakeholder Type:

### Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Joselyn Gondwe	F	CI2	0995561544	
2	Idrissah Abdulriz	M	CI2	0985741848	
3	Kharyan Nasasara	F	CI2	0991628640	
4	Alberto Rozario	M	CI2	0991111111	
5	Golden Marulo	M	CI2	0994735097	
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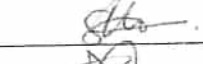

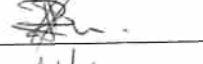



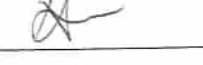


Date: 9/09/2025

Location: Mpindo

Project: Mpatamanga close-out meeting

Stakeholder Type:

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	JATARA MANDAZI	F	C12	0995375791	
2	Lettina Suba	F	C12	0993677558	
3	Emmanuel/ Thamba	M	C12	0887603692	
4	Stevania Sando	F	C12	0884482196	
5	William Rocco	M	C12	0997201702	
6	JOHN MSINKHU	M	C12	0994293930	
7	AUGUSTINE SONJERA	M	C12	0888277696	
8	Fleance Ngslonde	M	C12	0992506247	
9	Bernadette Mwabungulu	F	C12	0999124503	
10	Nitab B. Magande	F	C12	0884661992	
11	Bonayini Banda	F	C12	0991274003	
12	Melinda Athina Mhangu	M	C12	0959360314	

Date:

Location:

Project: Mportamanager close-out meeting

Stakeholder Type:

Consultation Record sheet

Nº	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Deison Damivelo	M	Community member	-	
2	Steven Graevseni	M	" "	-	
3	Alasima Inison	M	" "	-	
4	Beris Frank	M	" "	-	
5	Gracious Robert	M	" "	-	
6	Gerlaciano Jamitola	M	" "	-	
7	John Surigani	M	" "	-	
8	Stanly Charles	M	" "	-	
9					
10					
11					
12					

Date :

Location:

Project:

Stakeholder Type:

## Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Ganizani Chingak	M	Chief (mpindo)	0881213562	G. C
2	Sungani John	M	mpindo Secretary	0885992437	G. C
3	Martin Frank	M	Community Member	0994072251	M. Frank
4	Kilson Jackson	M	Community Member	-	K. J
5	Medson Malinga	M	" "	0885444226	M. Malinga
6	Frank Beres	M	" "	0894284567	F. B
7	Moses Wilson	M	" "	0888199145	M. K
8	Gemitaka Gakasiyano	M	" "	0883269026	G. G
9	Ganizani Tagal	M	" "	-	G. T
10	Frank Mphatso	M	" "	0882269026	F. M.
11					
12					


Date :

Location:

Project:

Stakeholder Type:

## Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Bianca Gevianlar	M	Community member	-	
2	Edson Asami	M	" "	0897683585	
3	Lernard Martin	M	" "	0887869936	
4	Skianlar Martin	M	" "	-	
5	Allius Juchen	M	" "	0888301254	
6	Gevianlar Steven	M	" "	-	
7	Isaac <del>J</del> Jamitarlar	M	" "	-	
8	Foster Patrick	M	" "	-	
9	Mofalo Charles	M	" "	-	
10	Baidan Gevianlar	M	" "	-	
11	Alfred Steven		" "	-	
12	Petro Lazaro	M	" "	-	

Date: 09-09-2025

Location: MPINDO

Project: Mpatamanga RAP (Mainworks)

Stakeholder Type: Close Out Meeting.

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Esther Stephano	F	Community member	-	
2	Lucy Veliyasi	F	"	-	
3	Malita Piyasoni	F	"	-	
4	Enifa Cosmas	F	"	-	
5	Joyce Veliyasi	F	"	-	
6	Zelia Moses	F	"	-	
7	Sindiya Wilson	F	"	-	
8	Tonezino Frackson	F	"	-	
9	Egile Jackson	F	"	-	
10	Linda Jackson	F	"	0981011700	
11	Gnelesi Hassan	F	"	0983069295	
12	Julita Patric	F	"	-	

Date: 09/09/2025

Location: MPINDO

Project: MPATAMANGA <sup>RAP</sup> PROJECT (MAIN WORKS)

Stakeholder Type: CLOSE CUT MEETING

Consultation Record sheet

N°	Name	Gender	Organisation / Positon	Phone No.	Signature
1	Margret Frank	F	Community Member	-	M.F
2	Lucia Matiko	F	Community Member	-	L.M
3	Enifa Alice	F	Community Member	0886115889	E.A
4	Popela Granirani	F	Community Member	-	P.G
5	Joyce Steven	F	Community Member	-	J.S
6	Maria Madalitso	F	Community Member	-	M.M
7	Nesi Steven	F	Community Member	0896231144	N.S
8	Anne Stephano	F	Community Member	0888182348	A.S
9	Ester Wilson	F	Community Member	0893949381	E.W
10	Daison Ellen William	F	Community Member	-	P.W
11	Lucy Luka	F	Community Member	-	L.L
12	Eling Francis	F	Community Member	-	E.F

# Annexe 7 – List of Affected Persons (not Publicly Disclosed)

*This annex contains private and confidential information. Hence, it is not included in the report publicly disclosed.*

# Annexe 8 – Individual Compensation Agreements (not Publicly Disclosed)

*This annex contains private and confidential information. Hence, it is not included in the report publicly disclosed.*



Mpatamanga Hydro Power Limited (MHPL)  
16, 17 and 18 on First Floor, Almira Complex at Plot Number BC1114  
Mandala, Blantyre

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