

Appendix 1: Mapping outcomes to measures

In this section we map our outcome variables to specific measures. Table A1 and Table A2 present the measures related to Infrastructure and Social Cohesion, respectively. Table A3 treats with our secondary outcome, in the sphere of economic well-being.

Table A1: Infrastructure related outcome

| Theory of change | Outcome family | Measures | Sources |
|--|--------------------------|--|-----------|
| Improving access to community social and economic infrastructure | 1) Infrastructure access | <p>Presence of following infrastructures in village:</p> <ul style="list-style-type: none"> • q48a_well: Well • q48e_bridge: Bridge • q48f_pipes: Pipes • q48g_hall: Hall • q48h_church: Church <p>HH needs following infrastructures:</p> <ul style="list-style-type: none"> • q52a_well_need: Well • q52e_bridge_need: Bridge • q52f_pipes_need: Pipes • q52g_hall_need: Hall • q52h_church_need: Church <p>Infrastructure quality:</p> <ul style="list-style-type: none"> • q50g_hall_wall; Hall's type of wall • q51g_hall_roof: Hall's type of roof • q50h_church_wall; Church's walls • q51h_church_roof: Church's roof | HH survey |
| | 2) Infrastructure use | <p>How many times did the HH use following infrastructures:</p> <ul style="list-style-type: none"> • Q49a_well_use : Well • Q49e_bridge_use : Bridge • Q49f_pipes_use : Pipes • Q49g_hall_use : Hall • Q49h_church_use : Church | HH survey |

| | | | |
|--|-----------------------------|---|-----------|
| | 3) Health Infrastructure | <p>Question related to the access and use of health infrastructure (including number of time a HH member felt ill etc..)</p> <ul style="list-style-type: none"> • q39_distminhealthpost: Distance to health post (minutes) • q40_distminhealthcenter: Distance to health center (minutes) • q41_distminhospital: Distance to hospital (minutes) • q44_healthneed: Did someone of the HH fell ill the during the last 2 weeks. • q45_healthwhere: Where does HH member usually go when they need for healthcare. • q48d-q52d: Information on health infrastructure. | HH survey |
| | 4) Education Infrastructure | <p>Question related to the access and use of education infrastructure</p> <ul style="list-style-type: none"> • q42_distminprimaryschool: Distance to primary school (minutes) • q43_distminsecondaryschool: Distance to secondary school (minutes) • q46_educationwhere: Which type of school children of the HH are attending. • q48b-q52b: Information on primary school infrastructure • q48c-q52c: Information on secondary school infrastructure | HH survey |
| | 5) Satisfaction STEP | <p>Satisfaction with Community Driven program</p> <ul style="list-style-type: none"> • q102-q119 : Questions related to satisfaction of CDD process. • q120_stepusepersonal : Personal use of STEP project (last 7 days) • q120_stepusepersonal : Number of time use STEP project last 7 days • q122_quality : Satisfaction with STEP project quality. • q127_pertinence : Pertinence of STEP project. • q128_use : HH or relative use of STEP project. • q129_servicessatisfaction: Satisfaction from use of STEP project. • q139_cohesionreinforce : CDD contribution to village cohesion. | HH survey |

| | | | |
|--|-----------------------------|--|--------------|
| | 6) Infrastructure provision | <p>Quantity of infrastructure in village:</p> <ul style="list-style-type: none"> • c4a_wellmany ; Well • c5a_schoolmany : School • c6a_healthcentermany : Health Center • c7a_churchmany : Church • c8a_hallmany : Hall <p>Quantity of infrastructure in village obtain on request of village member:</p> <ul style="list-style-type: none"> • c4b_wellvillage ; Well • c5b_schoolvillage : School • c6b_healthcentervillage : Health Center • c7b_churchvillage : Church • c8b_hallvillage : Hall <p>Quantity of infrastructure obtain on request of GOV / NGO with financial participation of village:</p> <ul style="list-style-type: none"> • c4c_wellgovnparticipation : Well • c5c_schoolgovnparticipation : School • c6c_healthcentergovnoparticipati: Health center • c7c_churchgovnparticipation : Church • c8c_hallgovnparticipation : Hall <p>Quantity of infrastructure obtain on request of GOV / NGO without financial participation of village:</p> <ul style="list-style-type: none"> • c4d_wellgovparticipation : Well • c5d_schoolgovparticipation : School • c6d_healthcentergovparticipation : Health center • c7d_churchgovparticipation : Church • c8d_hallgovparticipation : Hall | Chief survey |
|--|-----------------------------|--|--------------|

Table A2: Social cohesion outcome

| Theory of change | Outcome family | Measures | Sources |
|--|---------------------------|--|----------|
| Facilitating and improving inclusive community participation processes | 1) Community organization | <p>Committee attended by HH:</p> <ul style="list-style-type: none"> • q82c_governancehealth_participat: Participated in health committee • q82d_governancehealth_participat: Number of times participated in health committee • q83c_governanceeducation_partici: Participated in education committee • q83d_governanceeducation_partici: Number of times participated in education committee | HH level |

| Theory of change | Outcome family | Measures | Sources |
|------------------|----------------|--|---------|
| | | <ul style="list-style-type: none"> • q84c_governanceagriculture_parti: Participated in agriculture committee • q84d_governanceagriculture_parti: Number of times participated in agriculture committee • q85c_governancesecurity_particip: Participated in security committee • q85d_governancesecurity_particip: Number of times participated in security committee • q86c_governanceconflict_particip: Participated in conflict committee • q86d_governanceconflict_particip: Number of times participated in conflict committee • q87c_governancedemobilized_parti: Participated in governance committee • q87d_governancedemobilized_parti: Number of times participated in governance committee • q88c_governancehumanrights_parti: Participated in human rights committee • q88d_governancehumanrights_parti: Number of times participated in human rights committee • q89c_governanceother_participati: Participated in governance committee • q89d_governanceother_participati: Number of times participated in governance committee <p>Involvement of HH in STEP:</p> <ul style="list-style-type: none"> • q97_projectidentification: Participated in identifying needs of community • q98_projectcontribution: Participated in project contribution mobilization • q99_projectexecution: Participated in project execution • q100_projectadministration : Participated in project administration <p>Number of committee organized in village:</p> <ul style="list-style-type: none"> • q82a_governancehealth : Is there a health committee in your village ? • q82b_governancehealth_many: How many times did the health committee happened last year? • q83a_governanceeducation : Is there an education committee in your village ? • q83b_governanceeducation_many : How many times did the education committee happened last year? • q84a_governanceagriculture : Is there an agriculture committee in your village ? • q84b_governanceagriculture_many : How many times did the agriculture committee happened last year? | |

| Theory of change | Outcome family | Measures | Sources |
|------------------|-----------------------------|---|------------------------|
| | | <ul style="list-style-type: none"> • q85a_governancesecurity: Is there a security committee in the village ? • q85b_governancesecurity_many : How many times did the security committee happened last year? • q86a_governanceconflict : Is there a conflict committee in your village • q86b_governanceconflict_many : How many times did the conflict committee happened last year ? • q87a_governancedemobilized : Is there a demobilization committee in your village ? • q87b_governancedemobilized_many : how many times did the demobilization committee happened last year ? • q88a_governancehumanrights : Is there a human right committee in your village ? • q88b_governancehumanrights_many : How many times did the hhuman rights committee happened last year ? • q89a_governanceother : Is there an other sort of committee in your village ? • q89b_governanceother_many : How many times did the other sort of committee happened last year <p>Collaboration between communities</p> <ul style="list-style-type: none"> • q126_communitycohesion: Quality of collaboration between communities • q130_durability: Mechanism to guarantee collaboration durability • q131_otheruse: Community outsiders may use the infrastructure • q132_communityuse: Committee member manage well the project • q137_livetogether: Community member are ready to live and collaborate together • q138_development: Ready to collaborate with other members for developing community | |
| | 2) Information transmission | <p>1) Using the aid question at the HH level and comparing them to chief answers (or even better to administrative data) and interpreting discrepancies as a measure of non-information transmission.</p> <p><i>HH Level</i></p> <ul style="list-style-type: none"> • q90_aid : Received financial or food or social assistance aid from the government, NGOs or donors. • q90_aidprograms : Name of the aid program • q91a-q91i: Amount of the aid • q92_aidvillage : Perception of favoritism in aid allocation compare to other villages | HH level / Chief level |

| Theory of change | Outcome family | Measures | Sources |
|------------------|----------------|--|----------|
| | | Chief Level ¹ <ul style="list-style-type: none"> q84-q87 | |
| | 3) Trust | Trust for village members: <ul style="list-style-type: none"> q60_trustfamily : Family members q61_trustvillage : Village members q62_trustothervillage : Other village members q63_trustethnic : Co-ethnic from another village q64_trustotherethnic : Other ethnicity from another village q65_trustexsoldier : Ex soldier q134_confident : On a scale of 1 to 5, evaluate trust for other community member q135_management : Trust project committee q136_otherconfident : Trust other member of community to live together | HH level |
| | 4) Cleavages | Cleavages between extremes of society : <ul style="list-style-type: none"> q67a_divisionranking : Between rich and poor q67b_divisionranking : Between male and woman q67c_divisionranking : Between youth and old q67d_divisionranking : Between old and new members of village q67e_divisionranking : Between different religion q67f_divisionranking : Between tribes q67g_divisionranking : Between elites | HH level |
| | 5) Cohesion | Displaced: <ul style="list-style-type: none"> q54a_cohesionreturneddisplaced : Live in village q54b_cohesionreturneddisplaced : Acquire land title q54c_cohesionreturneddisplaced: Become settlement chief q54d_cohesionreturneddisplaced: Become close friend q54e_cohesionreturneddisplaced : Marry a family member Returned refugee from this village: <ul style="list-style-type: none"> q56a_cohesionreturnedrefugee : Live in village q56b_cohesionreturnedrefugee : Acquire land title | HH level |

¹ Chief level variables, while having the same labels, have a different numbering. For instance, instead of being *q90_aid*, the corresponding variable in the chief survey is *q84_aid*. Other variables share the same discrepancies. In these tables, we report only the household level variables to avoid any confusion.

| Theory of change | Outcome family | Measures | Sources |
|---|----------------------------|---|------------------------|
| | | <ul style="list-style-type: none"> • q56c_cohesionreturnedrefugee: Become settlement chief • q56d_cohesionreturnedrefugee: Become close friend • q56e_cohesionreturnedrefugee: Marry a family member <p>Other tribe member:</p> <ul style="list-style-type: none"> • q58a_cohesionethnics : Live in village • q58b_cohesionethnics : Acquire land title • q58c_cohesionethnics : Become settlement chief • q58d_cohesionethnics : Become close friend • q58e_cohesionethnics : Marry a family member | |
| Strengthening local conflict prevention and resolution mechanisms | 1) Conflict within village | <p>Was there a conflict “type” last month? :</p> <p><i>HH Level</i></p> <ul style="list-style-type: none"> • q69_conflictrealstate : Land conflict • q70_conflictdowry : Dowry conflict • q71_conflicteethnic : Ethnic conflict • q72_conflictburglary: Act of burglary • q73_conflictphysical : Fights • q74_conflictdomestic : Domestic violence • q75_conflictmurder : Murders or armed robbery <p><i>Chief Level</i></p> <ul style="list-style-type: none"> • q63-q69 <p>How many conflict “type” last month?</p> <p><i>HH Level</i></p> <ul style="list-style-type: none"> • q69b_conflictrealstate_many : Number of land conflict • q70b_conflictdowry_many : Number of dowry conflict • q71b_conflicteethnic_many : Number of ethnic conflict • q72b_conflictburglary_many: Number of burglary • q73b_conflictphysical_many : Number of fights • q74b_conflictdomestic_many : Number of domestic violence • q75b_conflictmurder_many : Number of murders or armed robbery <p><i>Chief Level</i></p> <ul style="list-style-type: none"> • q63_conflictrealstate_many • q64_conflictdowry_many • q65_conflicteethnic_many • q66_conflictburglary_many • q67_conflictphysical_many • q68_conflictdomestic_many • q69_conflictmurder_many <p>How many of them have been peacefully resolved?</p> <p><i>HH Level</i></p> | HH level / Chief level |

| Theory of change | Outcome family | Measures | Sources |
|------------------|----------------|--|---------|
| | | <ul style="list-style-type: none"> • q69c_conflictrealstate_manypeac: Number of land conflict resolved peacefully • q70c_conflictdowry_manypeace : Number of dowry conflict resolved peacefully • q71c_conflicteethnic_manypeace : Number of ethnic conflict resolved peacefully • q72c_conflictblurgary_manypeace: Number of burglary resolved peacefully • q73c_conflictphysical_manypeace : Number of fights resolved peacefully • q74c_conflictdomestic_manypeace : Number of domestic violence resolved peacefully • q75c_conflictmurder_manypeace : Number of murdered resolved peacefully <p><i>Chief Level</i></p> <ul style="list-style-type: none"> • q63_conflictrealstate_manypeace • q64_conflictdowry_manypeace • q65_conflicteethnic_manypeace • q66_conflictblurgary_manypeace • q67_conflictphysical_manypeace • q68_conflictdomestic_manypeace • q69_conflictmurder_manypeace <p>Who resolve the conflict?</p> <p><i>HH Level</i></p> <ul style="list-style-type: none"> • q69d_conflictrealstate_manypeac: Who resolve the land conflict • q70d_conflictdowry_manypeacewho : Who resolve the dowry conflict • q71d_conflicteethnic_manypeacewho : Who resolve the ethnic conflict • q72d_conflictblurgary_manypeacewho: Who resolve the burglary conflict • q73d_conflictphysical_manypeacew: Who resolve the fights • q74d_conflictdomestic_manypeacew: Who resolve the domestic violence conflict • q75d_conflictmurder_manypeacewho : Who resolve the murder or armed robbery conflict <p><i>Chief Level</i></p> <ul style="list-style-type: none"> • q63_conflictrealstate_manypeac • q64_conflictdowry_manypeacewho • q65_conflicteethnic_manypeacewho • q66_conflictblurgary_manypeacewh • q67_conflictphysical_manypeacewh • q68_conflictdomestic_manypeacewh • q69_conflictmurder_manypeacewho | |

| Theory of change | Outcome family | Measures | Sources |
|------------------|------------------------------|--|------------------------|
| | 2) Conflict between villages | <p>Was there a conflict “type” last month? <i>HH Level</i></p> <ul style="list-style-type: none"> • q76_conflictrealestate : Land conflict • q77_conflictdowry : Dowry conflict • q78_conflicthnic : Ethnic conflict • q79_conflictblurgary: Burglary • q80_conflictphysical : Fights • q81_conflictmurder : Murders or armed robbery <p><i>Chief Level</i></p> <ul style="list-style-type: none"> • q70-q75 <p>How many conflict “type” last month? <i>HH Level</i></p> <ul style="list-style-type: none"> • q76b_conflictrealestate_many : How many land conflict happened ? • q77b_conflictdowry_many : How many dowry conflict happened ? • q78b_conflicthnic_many : How many ethnic conflict happened ? • q79b_conflictblurgary_many: How many burglary happened ? • q80b_conflictphysical_many : How many fights happened ? • q81b_conflictmurder_many : How many land conflict happened ? <p><i>Chief Level</i></p> <ul style="list-style-type: none"> • q70_conflictrealestate_many • q71_conflictdowry_many • q72_conflicthnic_many • q73_conflictblurgary_many • q74_conflictphysical_many • q75_conflictmurder_many <p>How many of them have been peacefully resolved? <i>HH Level</i></p> <ul style="list-style-type: none"> • q76c_conflictrealestate_manypeac: Number of land conflict resolve peacefully ? • q77c_conflictdowry_manypeace : Number of dowry conflict resolve peacefully ? • q78c_conflicthnic_manypeace : Number of ethnic conflict resolve peacefully ? • q79c_conflictblurgary_manypeace: Number of burglary resolve peacefully ? • q80c_conflictphysical_manypeace : Number of fights resolve peacefully ? • q81c_conflictmurder_manypeace <p><i>Chief Level:</i></p> <ul style="list-style-type: none"> • q70_conflictrealestate_manypeace • q71_conflictdowry_manypeace | HH level / Chief level |

| Theory of change | Outcome family | Measures | Sources |
|------------------|----------------|--|----------|
| | | <ul style="list-style-type: none"> • q72_conflictethnic_manypeace • q73_conflictburglary_manypeace • q74_conflictphysical_manypeace • q75_conflictmurder_manypeace <p>Who resolve the conflict? <i>HH Level</i></p> <ul style="list-style-type: none"> • q76d_conflictrealstate_manypeac: Who resolve land conflict ? • q77d_conflictdowry_manypeacewho : Who resolve dowry conflict ? • q78d_conflictethnic_manypeacewho : Who resolve the ethnic conflict ? • q79d_conflictburglary_manypeacew: Who resolve the burglary ? • q80d_conflictphysical_manypeacew: Who resolve the fights ? • q81d_conflictmurder_manypeacewho : Who resolve the murders or armed robbery ? <p><i>Chief Level</i></p> <ul style="list-style-type: none"> • q70_conflictrealstate_mpwho • q71_conflictdowry_manypeacewho • q72_conflictethnic_manypeacewho • q73_conflictburglary_manypeacewh • q74_conflictphysical_manypeacewh • q75_conflictmurder_manypeacewho | |
| | 3) Inclusion | <p>Internal displaced:</p> <ul style="list-style-type: none"> • q53a_cohesiondisplaced : Live in village • q53b_cohesiondisplaced : Acquire land title • q53c_cohesiondisplaced : Become settlement chief • q53d_cohesiondisplaced : Become close friend • q53e_cohesiondisplaced : Marry a family a member <p>Refugees:</p> <ul style="list-style-type: none"> • q55a_cohesionrefugee: Live in village • q55b_cohesionrefugee: Acquire land title • q55c_cohesionrefugee: Become settlement chief • q55d_cohesionrefugee: Become close family member • q55e_cohesionrefugee: Marry a family member <p>Ex-soldier</p> <ul style="list-style-type: none"> • q57a_cohesionxsoldier : Live in a village • q57b_cohesionxsoldier : Acquire land title • q57c_cohesionxsoldier : Become settlement chief • q57d_cohesionxsoldier : Become close friend • q57e_cohesionxsoldier : Marry a family member <p>Individual from other villages</p> <ul style="list-style-type: none"> • q59a_cohesionothervillage : Live in a village | HH level |

| Theory of change | Outcome family | Measures | Sources |
|------------------|----------------|--|---------|
| | | <ul style="list-style-type: none"> • q59b_cohesionothervillage : Acquire land title • q59c_cohesionothervillage : Become settlement chief • q59d_cohesionothervillage : Become close friend • q59e_cohesionothervillage : Marry a family member <p>Other Ethnicity q133_ethnicuse : Other ethnicity may use the infrastructure.</p> | |

Table A3: Socio-Economic well-being

| Theory of change | Outcome family | Measures | Sources |
|---------------------------|---------------------------------|--|----------|
| Socio-Economic Well-Being | 1) Economic Welfare | <p>HH assets ownership: How much of the listed good does an household own</p> <ul style="list-style-type: none"> • q32a - q32u <p>HH consumption expenditures: Amount spent in the last two weeks on goods and services</p> <ul style="list-style-type: none"> • q34a - q34j | HH level |
| | 2) Income Generating Activities | <p>Employment</p> <ul style="list-style-type: none"> • q35_activity <p>Working Hours</p> <ul style="list-style-type: none"> • q36_activityhour <p>Earnings</p> <ul style="list-style-type: none"> • q37_activityearnings • q38_hhactivityearnings | HH level |
| | 3) Subjective Well-Being | <p>Self-Perception of life conditions: improvement of economic condition of the household compared with the rest of the village</p> <ul style="list-style-type: none"> • q33_hhcondition | HH level |