

Condition		Calibration				
Pre-Disaster	Access to Government Resources	Sum of scores for each aspect of government resources (Y = 0.2/N = 0)				
		Y/N	Presence of traditional panchayat			
		Y/N	Pre- tsu presence of elected panchayat member			
		Y/N	Post- tsu presence of elected panchayat member			
		Y/N	Pre-tsu high government responsiveness			
		Y/N	Post-tsu high government responsiveness			
	Economic Diversity	0	Single-sector economy			
		1	Not single-sector economy			
	Infrastructure	Average of scores for housing, water technology, water supply, roads and electricity				
		<i>Housing</i>		<i>Water technology</i>		
		0	All thatch	0	All or nearly all reliant on ground water	
		0.33	Mostly (70% or greater) thatch houses	0.33	Most rely on ground water, some government water available	
		0.67	Mix of thatch and concrete houses	0.67	Most rely on government water supply, some ground water use	
		1	Majority (70% or greater) concrete or tiled with concrete walls	1	All or nearly all have access to government supplied water	
		<i>Water Supply</i>		<i>Roads</i>		
		0	Inadequate, irregular water supply, people have to purchase water	0	No paved roads	
		0.33	Water is available daily but inadequate (less than 20L/person/day)	0.33	Some paved roads, but poor quality	
		0.67	Adequate (above 20L/person/day) water is available daily, but not unlimited	0.67	Paved roads in most of community	
		1	Fully adequate, water supplies are nearly unlimited	1	High-quality paved roads throughout community	
		<i>Electricity</i>				
		0	Most people with no electricity, or one-light scheme			
1		Most people with metered electric connections				
Social Vulnerability	Average of scores for caste, education, and income					
	<i>Caste</i>		<i>Education</i>		<i>Income</i>	
	0	Non-Dalit	0	High literacy, and frequent high secondary or college education	0	Higher income, all can meet basic needs and many can afford extra “luxuries”
	0.x	X = % Dalit	0.4	High literacy, but limited to primary education	0.4	Moderate income, people can afford basic items
			0.8	Mix of illiterate and primary educated	0.8	Low income, some people can afford basic items
	1	Dalit	1	Nearly all illiterate	1	Very low income, most people struggle to afford basic needs

Condition		Calibration	
Post-Disaster	Community Participation	0	No involvement in any aspect of construction
		0.2	Received information about house construction process or saw designs or models
		0.4	Gave design feedback which was incorporated or selected model from a group of options
		0.7	Knew which house was theirs pre-construction & performed small tasks
		1	Received training in order to effectively monitor construction quality and agency responsive to complaints (if any occurred)
	NGO Presence	0	No NGOs in community post-tsunami
		0.33	NGO constructed less than all the houses or some small projects only
		0.67	NGO constructed all of the houses, but no other projects
		1	NGO constructed all houses and did other community projects
	Oversight	Average of score for oversight during and after construction, with twice the weight given to during construction	
		<i>Presence during construction</i> 0 Constructing agency not on-site during construction 0.33 Visits less than once per week 0.67 One or more visits per week 1 Representative on-site everyday	
		<i>Post-handover follow-up visits</i> 0 No follow-up visits 0.33 Follow-up for observation only (no rectifications) 0.67 Monitoring and rectification (if necessary) for up to 3 years post-handover, but not currently on-going 1 On-going monitoring and rectification when necessary	
	Co-ordination	0	Multiple uncoordinated agencies doing major reconstruction
		0.33	Single agency doing majority of reconstruction with a second uncoordinated agency providing some construction support
		0.67	Multiple agencies involved in reconstruction, but they coordinated about housing allocation, design and construction
		1	Single agency responsible for all reconstruction
	Embedded-ness	0	International NGO with no pre-tsunami local relationships
		0.33	Indian NGO without office in Tamil Nadu or government
		0.67	Indian NGO with office in Tamil Nadu
		1	Local NGO with a pre-existing relationship in the community
	Funds	Directly calibrated based on per household funds (including direct funds, housing and livelihood support)	
		0.05	100,000 Rs/household
		0.5	175,000 Rs/household
		0.95	250,000 Rs/household

Outcome	Calibration	
Economic Recovery	Average of scores for employment and income	
	<i>Change in Employment</i>	<i>Change in Income</i>
	0 pre-tsunami employment is unavailable, and there is no replacement employment	0 majority have decreased income and standard of living is worse
	0.33 pre-tsunami employment is less available/fewer work days	0.33 majority have same income, but standard of living is worse
	0.67 similar level of employment is available	0.67 majority have same income, and standard of living is the same
	1 improved employment opportunities are available	1 majority have improved income, and standard of living is better
Infrastructure	Average of scores for housing, water, toilets, roads, transportation, wastewater removal and electricity	
	<i>Housing: minimum of score for housing type and quality of housing</i>	
	<i>Type: People living in pucca (improved) houses</i>	<i>Quality of housing</i>
	0 < 25%	0 All are poor quality and defects interfere with the safety of the house
	0.33 25%-49%	0.33 Most houses have major defects, but houses are generally safe
	0.67 50%-74%	0.67 Most houses are in good quality, with minor defects observed
	1 >75%	1 All good quality, no major defects and very few minor defects
	<i>Paved roads in community</i>	<i>Access to water</i>
	0 No paved roads	0 Inadequate, irregular water supply, people have to purchase water
	0.33 Some paved roads, but poor quality	0.33 Water is available daily but inadequate (less than 20L/person/day)
	0.67 Paved roads in most of community	0.67 Adequate (above 20L/person/day) water is available daily, but not unlimited
	1 High-quality paved roads throughout community	1 Fully adequate, water supplies are nearly unlimited
	<i>People using improved toilets</i>	<i>Transportation access</i>
	0 Less than half of the community are using	0 Infrequently availability of buses, or long walk (1km or more) to a bus
	1 More than half of the community are using	1 Good access to transportation, many buses available a short distance away
	<i>Waste water removal</i>	<i>Electricity</i>
	0 Inadequate drainage in community, major water stagnation occurs, flood problems	0 Some people still lack electricity
	0.33 Inadequate drainage, water stagnation frequent during rains	0.33 All have electricity, but there are frequent power cuts (more than 6 hours per day)
	0.67 Usually adequate drainage, minor water stagnation during worst rains	0.67 All have electricity and there are moderate power cuts (less than 6 hours, more than 3 hours per day)
	1 Adequate drainage system in community, water does not stagnate during rainy season	1 100% have a reliable (fewer than 3 hours per day cut) supply

Risk Reduction	Average of scores for evacuation, relocation and hazard training							
	<i>Evacuation</i>			<i>Relocation</i>		<i>Hazard Training</i>		
	0	Almost no community members evacuated after the recent warning		0	The community did not relocate or moved to another major hazard area	0	No disaster preparedness or response training	
	0.33	Some community members (less than 50%) evacuated after receiving the recent warning		0.33	Majority did not relocate, and are still in a hazard area			
	0.67	Most community members (more than 50%) evacuated after receiving the recent warning		0.67	Majority now in low-risk area, but some still in a hazard area		Disaster preparedness or response training given to some community members	
	1	Nearly all community members evacuated after receiving the warning		1	Community has no major hazard risk, is beyond the CRZ or did land-filling	1		
Social Recovery	Average of scores for amenities, quality of life, population return, recovery equity and social ties							
	<i>Community Amenities</i>			<i>Perceived Quality of Life</i>		<i>Social Ties</i>		
	0	Fewer community amenities are available since the tsunami		0	Most people think quality of life has declined	0	Social ties have weakened, there are fewer relationships among neighbors	
				0.33	Most people think quality of life is the same or worse	0.33	Social ties are about the same, no new groups	
				0.67	Most people think quality of life is the same or improved		Social ties are the same, some new groups emerged	
	1	Same or improved community amenities available as prior to tsunami		1	Most people think quality of life has improved	0.67	groups emerged	
						1	Social ties are improved and new groups have emerged	
	<i>Recovery Equity</i>			<i>Population Return</i>				
	0	Some groups within the community were excluded from the recovery			0	Full population has not returned, community members now living in separate locations		
	1	No systemic exclusion of groups from the recovery efforts			1	Population has either returned or relocated as a single group to a new location		