



MEASURING SHELTER RECOVERY IN ACEH - INDONESIA

Was community recovery achieved ?
Are communities less vulnerable ?



UN-HABITAT ANSSP ©
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SETTLEMENT RECOVERY AND SETTLEMENT DEVELOPMENT * :

Banda Aceh	6.1	> urban recovery is more difficult
Others	6.3	
Aceh Besar	7.2	> accessible areas are more easy
East Coast	5.8	> poorer areas are more difficult
West Coast	6.3	> not including delayed Red Cross areas



* Un-habitat – Unsyiah
 Settlement Recovery Indicator :
 (perceived) level of community
 infrastructure and community
 amenities allowing dignified
 occupancy (0-10 score)



INDICATORS ON QUALITY OF HOUSING ASSISTANCE

- construction quality and durability
- satisfaction with outcome and process
- transparency



Indicators for the Provision of Permanent (full-brick) Housing in 161 Locations in Aceh

Location of surveyed housing programme	Number of samples	Construction Quality	Satisfaction with House and Process	Accountability (Due process achieved)
Banda Aceh	47 locations	6.5 ± 0.6	4.8 ± 2.5	5.5 ± 3.2
Outside Banda Aceh	114 locations	6.7 ± 0.6	6.5 ± 2.0	6.6 ± 2.6

Benchmarks
("± ..." indicates 1 standard deviation)

Building Code = 7.5
Unsafe = less than 6.25

Overall satisfaction requires score > 5

Flawlessly accountable > 8
Due process not achieved < 5



SUCCESS BENCHMARKING

- SMALL ORGANISATIONS ARE MORE AGILE
- LARGE ORGANISATIONS CAN DELIVER DURING RECOVERY

higher satisfaction

Organisation (giving house assistance)	Construction Quality	Satisfaction
ATLAS LOGISTIQUE	3.05	6
BUILD CHANGE	2.79	5
CARE INTERNATIONAL	2.76	6
CARITAS	3.06	4
CRS (CATHOLIC RELIEF SERVICE)	2.66	7
CHF (COOPERATIVE HOUSING FOUNDATION)	2.68	7
DIAKONIE FOR EMERGENCY ARCHITECTS /	2.64	4
EMERGENCY ARCHITECTS FRANCE	2.93	6
FRENCH RED CROSS	2.96	4
GERMANY RED CROSS	3.14	5
HABITAT FOR HUMANITY	2.82	7
ISLAMIC RELIEF	2.62	4
GVC-ITALIAN COOPERATION	3.04	5
ATLAS LOGISTIQUE / LARFARGE	3.20	3
MALTESER INTERNATIONAL	2.96	6
SAMARITAN'S PURSE	2.69	5
SHEEP	2.94	4
TERRE DES HOMMES GERMANY	2.83	4
TURKEY	2.83	8
TURKISH RED CRESENT	3.04	7
UN-HABITAT	2.87	4
UPLINK	3.00	7
RE-KOMPAK (MDF - WORLD BANK - P2KP)	2.57	5
YAYASAN ISLAH BINA UMAT	2.67	5
YKPI	2.57	5
average	2.85	5.3

higher construction quality and durability

large & contractor-organised
large & community-organised
small (mixed) programmes



RESULTS OF LARGE PROGRAMMES

Organisation (giving house assistance)	No of Samples	Construction Quality	Satisfaction	(Being) Built
BUDHA TZU-CHI	1	2.47	6.0	2650
UP LINK	11	2.88	4.2	2852
UN HABITAT	8	2.62	3.5	3458
CARTAS	2	2.70	2.5	1887
CRS	5	2.53	1.8	1441
CARE	3	2.00	1.7	1730
SAMARITAN'S PURSE	2	2.40	1.5	2828
HABITAT FOR HUMANITY	10	2.59	1.2	3088
RE-KOMPAK (MIF)	5	2.58	0.2	1588
6 TZU	1	2.74	2.5	3831
TERRE DES HOMMES NETHERLAND	3	2.42	-0.3	1018
KOM	8	2.48	-1.0	2065
BRR	14	2.47	-2.3	4176

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Average score for community-driven programmes	42	● 2.67	● 2.2	1851
Average score for contractor lead programmes	31	● 2.53	● 0.8	1262



Contractor Lead

SUCCESSSES AND FAILURES COMPARED

IOM

Construction Quality	Satisfaction Score	Accountability Score
0-4	-9 to 9	0-10
2.40	3	5.3
2.35	-7	3.3
2.57	-2	7.2
2.26	1	9.2
		4.4
2.56	3	5.3
2.72	1	5.8
	-1	5.6

GOI - BRR

Construction Quality	Satisfaction Score	Accountability Score
0-4	-9 to 9	0-10
2.19	2	4.7
2.81	-2	3.3
2.39	-4	6.9
2.36	-6	1.1
2.48	-7	1.1
2.48	-5	0.0
2.42	-4	6.7
2.32	-5	3.3
2.44	-5	5.8
2.32	2	5.8
2.44	2	5.8
2.69	-5	4.4
2.72	-2	7.5
2.45	-3	5.0
2.61	3	6.4

OXFAM

Construction Quality	Satisfaction Score	Accountability Score
0-4	-9 to 9	0-10
2.11	3	6.7
2.16	-7	4.4
2.29	-6	0.0
2.48	1	5.3
	-7	7.5
2.62	-1	3.9
2.48	2	7.5

UPLINK

Construction Quality	Satisfaction Score	Accountability Score
0-4	-9 to 9	0-10
3.00	7	8.3
3.00	0	7.8
3.00	5	3.3
3.00	7	10.0
	8	9.2
3.00	3	9.2
3.00	5	10.0
3.00	3	5.8
3.02	4	10.0
2.74	4	10.0

MDF - WB

Construction Quality	Satisfaction Score	Accountability Score
0-4	-9 to 9	0-10
2.57	5	10.0
2.80	-1	6.7
2.27	-3	3.9
2.48	6	9.2
2.78	-6	0.0

WORLD VISION

Construction Quality	Satisfaction Score	Accountability Score
0-4	-9 to 9	0-10
2.44	5	10.0
2.51	-5	0.0
2.83	2	5.8
2.83	-5	3.6
	3	10.0
2.83	2	9.2
2.83	2	9.2
2.94	3	5.3

HFH - I

Construction Quality	Satisfaction Score	Accountability Score
0-4	-9 to 9	0-10
2.47	-1	2.5
2.70	-2	3.9
2.70	-2	4.4
2.43	3	5.0
2.60	0	4.4
2.53	7	9.4
2.52	6	5.0
2.70	-1	1.1
2.48	-5	3.3
2.82	7	9.4

UN-HABITAT

Construction Quality	Satisfaction Score	Accountability Score
0-4	-9 to 9	0-10
2.43	3	8.3
2.61	5	9.2
2.69	2	9.2
2.51	5	8.9
2.87	4	5.8
2.66	-2	8.1
2.70	7	5.0
2.48	4	10.0



SUCCESS FACTORS

- Allowing Early Return
- Community Participation
- Well Trained and Experienced Facilitators
- Aiming at Complete Settlement Recovery



OUTSTANDING ISSUES :

- **Sustainable recovery through communities**
 - **Strengthening Government support and service**
 - **Institutionalizing the role of NGOs**
- **Safer permanent housing**
 - **Training and certification for labourers and facilitators**
- **Recovery towards more secure tenure**
 - **Community adjudication for resettlement**
- **Settlement recovery and DRR**
 - **Linking planning to community recovery**
 - **Educating the planning profession on emergencies and DRR**





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