

Type of Project:	Shelter Housing Durable Solution	Country:		Bosnia BiH
Approach:	Contracted Reconstruction	Realisation Year:		2000 - 2001
Project name:	DuSoCC PROMO d.o.o. Donji Vakuf, Prefabricated Houses	Version:	1	Date: March 2004



Initial Situation, Context

Eight years after the war ended, Bosnia-Herzegovina remains confronted with the problem of displaced persons (DPs). End of December 2002 still some 367'500 persons have been displaced within the country. While the pace of returns has increased in recent years, many DPs continue to reside in Collective Centers (CCs), where they wait for durable solutions to their housing problems. By end of December 2003 still 1'286 CC residents (1'120 in the Federation and 166 in Republica Srpska). These CCs offer, for the most part, only the most rudimentary accommodation. Many of these CCs are converted facilities such as former school-houses, closed hotels, barracks or housing containers.

Goals, Beneficiaries

Main objective of the ongoing DuSoCC program is to provide durable housing solution for CC residents by creation of accommodation through reconstruction or rehabilitation of destroyed or damaged private houses (mainly in rural areas) and social apartments in urban areas.

Approach

Confronted with numerous cases of completely destroyed potential rehab-objects, the DuSoCC program management decided to solve the problem in Jablanica-Slatina with a prefab shelter program, because these housing elements were locally available. According to the size of the families, 4 types of low budget prefabricated houses were selected and designed.

- 33 m2 for 2 persons
- 39 m2 for 3 persons
- 44 m2 for 4 persons
- 74 m2 for 7 persons

Partner(s)

- SDC/UNHCR Shelter office in Sarajevo (including FMSA)
- Municipality of Slatina (Jablanica)
- PROMO d.o.o. Donji Vakuf as the contractor

Implementations/Results

10 PROMO prefabricated standard houses have been realized. 3 objects with 33 m2, 2 objects with 39 m2, 4 objects with 44 m2 and 1 object with 74 m2.

Cost, Financing

The ten objects for families are covering the shelter needs for 35 individuals with a total space of 427 m2.

Total cost was 100'160 EUR. Cost per unit and type:

33 m2 = 7'340 EUR

39 m2 = 8'554 EUR

44 m2 = 9'561 EUR

74 m2 = 15'702 EUR

Average cost: per person = 2'862 EUR, per m2 = 235 EUR, Average floor space per person = 16,5 m2

Problems/Constraints

Lay out of rooms is not very useful, quality of material and building element was not very good. Problems with the quality of guarantee works (warranty).

Lessons learned What was useful in the approach?

Dry and rapid construction as a low budget solution

Lessons learned What should be done different next time?

Prefab standard houses solution is to abandon in favor of conventional construction as long as the quality is not better than this.

Preconditions and Limitations for this approach

High standard quality of material, elements and works on site











Evaluations

Joint Evaluation SDC/UNHCR in April 2002 (H. Gloor, M. Tegegne), Mission Report September 2002

For further information

Recommended Contacts:	René e. Knupfer, SHA/UNHCR Project Manager Sarajevo
Recommended Institutions:	SDC/SHA desk Europe + CIS, Berne
Recommended books/reports:	SDC/SHA Fact Sheet June 2002: "The Swiss Contribution" DuSoCC Briefing Kit (CD, February 2004 release)
Relevant other projects (links):	--

Annex: (technical drawings, schemata) see page: 3 (Photos)

			
33 m2		33 m2	
			
33 m2		44 m2	
			
44 m2		44 m2	
			
44 m2		39 m2	
			
39 m2		74 m2	