

Disaster Preparedness

BATTAGRAM



Earthquake Reconstruction & Rehabilitation Authority
Government of Pakistan
Provincial Earthquake Reconstruction & Rehabilitation Agency
Government of NWFP



District Profile
BATTAGRAM

District Profile - Battagram
Earthquake Reconstruction and Rehabilitation Authority
Prime Minister's Secretariat, Islamabad
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P R E F A C E

The Reconstruction and Rehabilitation Programme implementation took off in April 2006. By that time, ERRA had already gained momentum in the planning and strategy development and started devolving responsibilities with due focus on building capacity of its affiliates, SERRA/PERRA and DRUs.

The enormity, complexity and diversity of reconstruction and rehabilitation programme afforded unparalleled experiences that opened new avenues for learning to people within the organization, as well as to stakeholders, development practitioners, planners and managers, academic institutions and international community. One such avenue led to the development of District Profiles of the nine earthquake affected districts.

The impediments faced in collecting accurate data for damage assessment of the earthquake and for planning reconstruction strategies was a sufficient indicator for ERRA to address the deficiency timely and pragmatically to ensure that such a situation would not be repeated in the future.

Therefore, ERRA, together with its affiliates SERRA/PERRA and DRUs, initiated compilation of available district specific data/information on relevant socio-economic and physical indicators in the form of District Profile to serve as a baseline and a reference point for planning and monitoring progress of work.

The first District Profile has been completed in July 2007. It will be updated regularly with information received from the field through MIS reporting mechanism on the progress of each programme sector with necessary analysis.

The document, it is hoped, will become a useful source of information on district's progressive development under the reconstruction and rehabilitation programme.

I avail this opportunity to thank ERRA team and its affiliates for dedicating their time and efforts to prepare the document, and our development partners for their encouragement and support in the process.



Altaf M. Saleem
Chairman

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Lt. Gen Nadeem Ahmed
Deputy Chairman
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ACRONYMS

ADB	Asian Development Bank
AWP	Annual Work Plan
BHU	Basic Health Unit
CD	Completely Damaged
CDWP	Central Development Working Party
DFID	Department for International Development
DHQ	District Headquarter
EDO	Executive District Officer
EST	Estimated
FY	Financial Year
GOVT.	Government
GPTI	Government Poly Technical Institute
MCH	Maternity Child Health
ND	Negligible Damage
NESPAK	National Engineering Services Pakistan (PVT) Limited
NGO	Non Governmental Organization
NWFP	North West Frontier Province
PC-I	Planning Commission Form
PD	Partially Damaged
PDWP	Provincial Development Working Party
	Provincial Earthquake Reconstruction & Rehabilitation Agency
PERRA	
PHED	Public Health Engineering Department
PRC	Provincial Reserve Centre
PTA	Parent Teacher Association
RHC	Rural Health Centre
RWSSP	Rural Water Supply & Sanitation Project
S&L	Schools & Literacy
TMA	Tehsil Municipal Administration
UC	Union Council

EXECUTIVE SUMMARY

The District Profile Battagram presents a brief introduction of the District with the socio-economic and physical indicators and the damages and reconstruction plan of the affected areas. This document relies on District Census Report 1998 for pre-earthquake socio-economic information. The statistics quoted from the District Census Report of 1998 may not look relevant to the present scenario due to time lag and therefore these may be taken as historical record only. This data would be possible to compare with the current data after the Census Survey which is to be done in 2008.

whole of the district comprises of rural area. District Battagram covers an area of 1507 sq km. Generally the people earn their living by farming, operating small shops, hotels and overseas jobs.

According to the District Census Report 1998, Battagram has a population of 307,278 with an average population growth rate of -0.58%. The average household size of the district is 6.6 persons.

Regarding access to safe drinking water, only 20.14% of the population avail the facility of piped water. Rest of the population uses the outside sources of drinking water which are open surface and therefore during rainy season the water becomes muddy and unfit for the drinking and other use.

The social sector growth can not be gauged accurately due to inconsistency in data, however, from the available information it is noted that there is a positive change in the growth of education sector as the number of primary schools for boys and girls during the period of 1998 to 2005 has increased from 238 to 298 and 166 to 209 respectively. Middle Schools for boys and girls have increased from 25 to 29 and 9 to 15 and High Schools for boys and girls have increased from 20 to 22 and 1 to 3 respectively. Like wise two degree colleges, one each for boys and girls, have also been established.

Regarding community/public health facilities, there is an increase of seven Civil Dispensaries, one MCH centre, one Dental Care Centre and a Civil Hospital. Some of the facilities have also decreased for example the Basic Health Units (BHUs) and Rural Health Centres (RHCs) have decreased from 39 to 28 and 3 to 2 respectively over the period between 1998 and 2006.

The earthquake heavily damaged private housing in Battagram; around 61,498 housing units were fully or partially damaged. Data about the total current housing units is not available yet.

The district has suffered a significant loss of livelihood due to the earthquake that caused damage to land, crops, livestock and infrastructure.

The Earthquake Reconstruction and Rehabilitation Authority (ERRA) has launched a comprehensive reconstruction programme consisting of 12 major sectors which is being implemented through the Government of NWFP, Provincial Reconstruction and Rehabilitation Agency (PERRA), District Reconstruction Unit (DRU), line departments and development partners. According to the programme, bulk of the investment would be made in Education and Physical Infrastructure e.g. roads network in Battagram District.

Chapter 1

Introduction ¹

Immediately after the earthquake, the need for collecting information became critical to make an accurate damage assessment of the economic and physical losses which were crucial for planning reconstruction and rehabilitation of the area. It was realized that there was not only a lack of information, but also the sources of information were scattered and in a variety of forms. A lot of data had to be restructured by the experts from the Census Reports of 1998 and the state and provincial governments and line departments' internal reports. Projections were made where needed, to produce the preliminary damage assessment.

In the following phase of planning, most of the above baseline information was complemented with second round of sector wise assessment to evolve strategies and refine plans in the context of government policy to rationalize the reconstruction process.

As far district specific information is concerned, there used to be a document called gazetteer. The existing district gazetteers have not been updated over time and therefore are out of synch with the current requirements of planning and policy making.

ERRA took a considered decision to address the situation and accordingly undertook the initiative for developing District Profiles to serve as a complete account of a district's state and situation of development reflected in pre and post earthquake socio-economic and physical indicators, earthquake damages, reconstruction plans and the progress over the life time of ERRA.

1.1 The Landscape and Physical Features of the Area

The District Battagram is situated at latitude 34.40 and longitude 73.1, surrounded by Kohistan District to the north, Mansehra District to the east, Kala Dhaka tribal area to the south and Shangla District to the west. Its headquarter is at Battagram town at a distance of about 75 Km from Mansehra on the Silk Highway. The district consists of two tehsils, Battagram and Allai. It has a number of beautiful valleys.

The district covers an area of 350,172 acres (excluding the 930 sq. km unsettled area of Chor pastures). The district is mostly mountainous with peaks rising above 4000 meters with thick forests. However, fertile plain areas exist in Nindhya, Tijri Deshan, Batamori, Banna and Rashang valleys.

Plenty of springs and streams flow through out the district, providing water for drinking and irrigation. There are two main streams (locally called Khawar) i.e. the Nindhya Khawar and Allai Khawar. Nindhya Khawar originates in the mountains of "Hill" and

¹ 1998 District Census Report of Battagram

after flowing through the main village joins Indus River at Thakot in the east. The other big stream, the Allai Khawar originates in Chaur Mountains and joins the Indus River at Kund in the east.

Climate in Battagram is moderate in summer and severe cold in winter. Upper parts of the district especially Shamlai, Hill and Bilandkot of Battagram Tehsil and Sorgai, Rashand, Gangwal, Bateela and Pashto Batangi of Allai Tehsil receive heavy snow fall. Chaur is snow bound and inaccessible for eight months in the year.

1.2 Industry, Trade and Commerce

Most of the people are illiterate and their source of earning is farming. However, surprisingly a significant number of locals are residing and working in Thailand, Malaysia and Middle East and have brought prosperity to the area.

The major trading centers are at Banna, Thakot, Kuza Banda, Shamlai and Battagram. People operate small shops and hotels at these centers. Transport is also a common business. Small pickups and vans are used for traveling.

1.3 The People

Most of the inhabitants are Swaties. Other major tribes in the area are Gujar, Akhunkhel, Mada khel, Syeds and Quresh.

All people belong to Muslim Sunni school of thought. A few Hindu families consisting of about 105 persons also reside in Battagram and Shamlai villages. There are a number of religious schools in Battagram and students from all over the Province come here for religious education.

1.4 Roads

There is a total of 369 km road network in the valleys. The Karrakuram Highway or the Silk Highway enters the district at Sharkool, Mansehra and leaves it at Thakot. The major roads in the district are Battagram-shamlai, Battagram-Oghi, Battagram-Paimal Sharif and Chattar- Kuzabanda road.

1.5 Telecommunication

A Digital Telephone Exchange is working in Tehsil Battagram with a capacity of 2554 connections. In addition, 07 small telephone exchanges are also providing communication facility in Tehsil Battagram. In Tehsil Allai, an exchange with a capacity of 400 connections has been started. In addition, PTCL V-Wireless connections are also available in Tehsil Battagram. More over, Cellular phone companies like Moblink, Warid, Ufone and Telenor also have extended their services in Tehsil Battagram. Television transmissions are received via satellite most of the time. There is one main Post Office, 7 Sub Offices and 48 Branch Offices of Postal Department in the district.



1.6 Power

The area has tremendous hydro power potential as reported by the Sarhad Hydro Power Development Organization. Allai Khwar presents an ideal site for a high head hydro power station of several hundred megawatt capacity. It has been reported to be one of the best sites in the world where electric power could be generated through high head falls on several spots in cascade. The Government of NWFP in collaboration with the German Government has completed the feasibility study of the project and implementation is expected in near future after settling down financial matters with sponsors. The project is expected to open the region to major socio-economic activities.

1.7 Administration

The district is divided into two tehsils Battagram and Allai. Generally for every major Administrative Department, there is a District In-Charge named as Executive District Officer. In Battagram the judicial system is based on the Criminal Procedure Code and the Civil Procedure Code as in many parts of the country. However, the region, being tribal in nature, still holds the traditions of Jirga system and many serious issues are mostly resolved by Jirga. The Police Department is headed by the District Police Officer. The whole district is covered by six Police Stations, three Police Posts and two Patrolling Posts.

1.8 Important Places

At an altitude of about 3000 meters located in Allai Tehsil and bordering with the remote regions of Kohistan and Kaghan valley of Mansehra, plane pastures of Chor are known for the extra ordinary beauty that reveals in the few months of summer when the snow melts. The area is inaccessible by road and needs a day or two of feet walk uphill to reach Chor.

Archeological findings in the region have raised interest in the remains and sites at Battagram. It has been reported that in search of artifacts and gold, ancient graves at these locations have been dismantled.



Chapter 2

Pre-Earthquake Socio-Economic and Physical Indicators-Baseline District Census Report 1998 with updates on Selected Indicators

2.1 Overview

According to the 1998 Census, Battagram District had a population of 307,278 and an average annual growth rate of -0.58%. The average household size of the district is 6.6 persons.

Whole of the district comprised of rural areas. There are 158,563 male while the number of female are 148,715. Sex ratio of the district is recorded as 106.6. The disabled persons constitutes 1.36% of the total district's population. Male and female disabled persons are 0.88% and 1.81% respectively of the total population.

The literacy rate among male and female is 29.40% and 6.48% respectively. The labor force participation rate is 33.93%. Male and female labor force participation is 64.45% and 0.01% respectively, showing the predominance of males over the females.

Of the total population at the age of 18 years and above, 62.05% held National I/D cards. The rate is 75.78% for males and 48.04% for females.

According to 1998 Census reports there are round about 46557 housing units in District Battagram. Among them 43% were single room houses while 37.87% were double room houses. As for the type of construction, 65.41% housing units were built with baked bricks, blocks or stones whereas 29.02% housing units are build with un-backed bricks and 2.67% are build with wood or bamboo.

2.2. Sector-specific Information

The information given in the following tables to establish a pre-earthquake baseline is primarily taken from the District Census Report of Battagram-1998. It has been updated, wherever possible with the help of information from various other sources.

Table - 1			
Area			
Area in sq. km		1507	
Population			
Social Indicators	Total	Male	Female
Population 1998	307278	158,563	148,715
Population 2005	361000*	180600*	175000*
Household Size (in No.s)	6.6 persons		
Annual Growth Rate %	-0.58		
Literacy Rate %	18.31	29.40	6.48
Enrolment Ratio	14.54	22.61	5.85
Under 10 Population Vaccination Ratio %	52.54	52.95	52.10
Labor Force Participation %	33.93	64.45	0.01
Economically Active Population %	22.47	42.67	0.93
Disabled Population %	1.36	0.88	1.81

Source: 1998 District Census Report, Battagram
 *Source: Socio-Economic Indicators 2005 by Bureau of Statistics, NWFP

Table 2	
Agriculture and Livestock	
Livelihood indicators	Area (acres)
Maize	46359
Wheat	19902
Rice	5821
Livestock in number	
Cattle	106882
Sheep	59885
Goat	24482
Horse	126420
Mole	739
Donkey	1230
Poultry	457353

Source: 1998 District Census Report, Battagram



Table 3		
Education Facilities		
Kind of Facility	1998	2004-2005
College for Boys	0	1
Degree College for Girls	0	1
Higher Secondary School Boys	1	1
High school for Boys	20	22
High school for Girls	1	3
Primary School for Girls	166	209
Middle Schools for Boys	25	29
Middle Schools for Girls	9	15
Primary Schools for Boys	238	398
Primary Schools for Girls	166	209
Total Educational Facilities	459	678

Source: Census Report Battagram 1998, EDO (S&L), Battagram

Table 4	
Veterinary Services	
Livestock Treatment Centers	Numbers
Veterinary Hospital	1
B-class Dispensaries	2

Source: Census Report Battagram 1998

Table 5		
Health Infrastructure		
Kind of Health Facility	1998	2005
Combined CMH/ DHQH	1	1
Rural Health Centers	3	2
Basic Health Units	39	28
Civil Dispensaries	0	7
MCH centers	0	1
T.B/Leprosy centers	2	1
Dental Care Centers	0	1
Civil Hospitals	0	1

Source: Census Report Battagram 1998

Statement for prior clarification

The Third Chapter comprises of figures and statistics on Extent of Damages and Reconstruction Plans which have been taken from the Preliminary Damage Assessment Report by ADB/WB, ERRRA's Sectoral Strategy Documents and input from the respective DRU. Moreover, figures of 2nd assessment carried out in Housing Sector have been incorporated. Data regarding power sector has been taken from PESCO. The exercise for specific need-base re-assessments and reconciliation of project level planning is underway. Any new project identified and agreed upon by ERRRA will be incorporated in the strategies in due course of time.

Chapter 3

Extent of Damages due to Earthquake and Sector-Wise/Year-Wise Reconstruction Plan

The earthquake affected almost all aspects of socio-economic life of the people as well as physical infrastructure of the district. The hard hit Union Councils of Tehsil Battagram were Shamlai, Batamori, Thakot, Rajdhari, Peshora, Paimal Sharif and Ajmaira whereas that of Tehsil Allai were Rashang, Sakargah, Biari, Pashto, Bathkool, Banna, Jambra and Bateela.

The loss of human lives in Battagram was 3564 whereas 3799 persons were injured. According to information provided by the District Government Battagram, an amount of Rs. 344.100 million has been paid as compensation for deaths and Rs. 74.025 million as compensation to the injured in the district. The details are as under:

S. No	Reason	No	Amount per person/ House	No of Compensation paid	Total Amount paid
1	Deaths	3564	100,000	3441	344,100,000
2	Injured	3799	Category-1 = 50,000	64	74,025,000
			Category-2 = 25,000	1480	
			category-3 = 15,000	2255	
Total					418,125,000
Source: DRU, Battagram					

Sector wise extent of damages and reconstruction plan is being given below.

3.1 Housing Sector

i. Extent of Damage

In Battagram, private housing sector suffered a huge loss. A total of 61498 houses were reportedly damaged as per break up given in table 7.

Destroyed		Damaged		Negligible Damage	
No.	%	No.	%	No.	%
51105	83	8537	14	1856	3
Source: Internal Sources of ERRA					

ii. Reconstruction Plan

The Reconstruction Plan of Battagram, as part of the overall housing reconstruction strategy, consists of rural housing.

a. Rural Housing

ERRA with the assistance of army carried out a housing survey and engaged NADRA to establish a database that was used as a mechanism to screen applications for progressive disbursement of financial assistance for the reconstruction of private housing.

In order to ensure availability of construction material for housing, construction material hubs have been established throughout the district. Training for seismically resistant house reconstruction has already been started by a number of NGOs, where not only the masons and labourers are being trained but also the local population is provided training with a view to create awareness among them for constructing seismically resistant houses. In addition, a large number of individuals have been trained in reconstruction skills namely plumbing, carpentry, masonry and as electrician.

3.2 Livelihood

i. Extent of Damages

According to preliminary estimation, there were direct and indirect losses to almost all sectors of formal and non-formal employment as well as agriculture, mining, trade and business. Besides losing physical livelihood means, people lost intangible social assets i.e. capacity to work and the environment that would take considerable time to be revived to earlier state. Percentage of employment losses to major economic sectors was estimated as follows:

Employment losses – NWFP			
Sectors	Pre-Earthquake	%	Employment loss
Agriculture and forestry	359110	46.6	167345
Mining	2933	0.4	12
Manufacturing	14515	1.9	276
Utility	6050	0.8	48
Construction	73292	9.5	6963
Trade	59482	7.6	4521
Transport etc	40590	5.3	2151
Finance and business	3752	0.5	19
Services and Public Admin	188876	24.5	46275
Other	22406	2.9	650
Total	757906	100	228260

ADB/WB Pakistan 2005 Earthquake- Preliminary Damage and Needs Assessment.

Part of damage to livelihoods could be gauged from the extent of efforts undertaken to revive the livelihoods of people over a period of time, as detailed in the following section.

a. Agriculture, Livestock & Fisheries Sector

Like other sectors, Agriculture Sector was badly affected by the earthquake. As per report of the EDO (Agriculture) Battagram, a number of agriculture buildings were damaged as per details given below:

Extent of Damages to Livestock Sector		
S.No.	Sub Sector	No of buildings damaged
1	Agriculture	4
2	Livestock	6
3	Fisheries	2
Total		12
Source: EDO (Agriculture), Battagram		

The reconstruction of these buildings was planned for 2006-07, however, due to procedural difficulties, work could not be started on these buildings and therefore, it is expected that these buildings will be completed during 2007-08.

ii. Reconstruction Plan

a. Livelihood (Cash Grants) Programme

The livelihood programme had one immediate intervention under the title of livelihood (cash grants) programme that focused on provision of cash grants to vulnerable families, selected on the basis of an eligibility criteria, primarily to meet their immediate food and non-food needs over a period of six months. The programme is being implemented progressively in all the affected districts between September 2006 and June 2007. A fixed amount of Rs. 3000/- per month is provided to 28,530 families fulfilling the criteria.

An extension of the programme for another six months has been approved in principle. The extension shall cover only the most vulnerable families.

b. Livelihood Core Programme

The livelihood core programme strategy focuses on rehabilitation of primary industry, small business and employment. The strategy is based on a participatory approach whereby villages/communities will be assisted in preparing community livelihood rehabilitation plan which shall be a set of prioritized needs. Once the plan is agreed/ approved, the villages shall be eligible for Rs. 750,000 grant to address the identified needs with the assistance of concerned Government Technical Departments. The indicative eligible investments for this grant are live stock production, fruit and vegetable production, replacement and repair of damaged traditional irrigation systems, restoration

of small access roads, rehabilitation of terraces, rehabilitation of emergency employment centers and provision of micro-finance facilities. The DRU based livelihood coordinators shall be the main focal persons to lead the planning and implementation processes. A livelihood coordination forum, consisting of all line departments and NGOs involved in livelihood related activities shall be the main coordination and approval forum.

c. Forest Sector

According to the information provided by the Forest Department, 37 buildings owned by the Forest Department were completely damaged by the Earthquake. These buildings will be reconstructed in a phased manner as under:

Table 10			
Extent of Damages to Forest Sector and Reconstruction Plan			
Total No of buildings damaged	Planned for reconstruction		
	2006-07	2007-08	Total
37	13	24	37
Source: District Forest Office, Battagram			

3.3 Education Sector

i. Extent of Damages

In District Battagram, the Educational Infrastructure was cent percent affected. Out of a total 525 educational institutions, 410 were fully damaged, and the rest 115 were partially damaged including one Degree College. It also resulted in the loss of precious lives of a large number of students and their teachers present in schools on the day of earthquake.

Table 11				
Extent of Damage to Education Sector				
Primary through Higher Secondary Education Institutions	Rural (Battagram has no urban)			
	Boys	Girls	Total	Grand Total
Fully Damaged	294	116	410	410
Partially Damaged	69	46	115	115
Total	363	162	525	525
Source: S&L Dept. Battagram				

After the Earthquake, 388 schools were provided tents for restarting educational activities. In addition a large number of transitional structures were also arranged by a number of NGOs/ INGOs to the damaged schools.





ii. Reconstruction Plan

Different NGOs and INGOs had commitments with the Government of Pakistan for reconstruction and rehabilitation of these damaged institutions. So far 180 educational institutions have been pledged by NGOs, and the rest will be reconstructed in a phased manner within a period of three years as given in table 12.



		Education Sector Reconstruction Plan															Table-12
S. No	Category	Pledged by NGOs			Planned Reconstruction by the GOP												Total
		CD	PD	Total	2006-07			2007-08			2008-09			Total			
					CD	PD	Total	CD	PD	Total	CD	PD	Total	CD	PD	Total	
1	Girls Primary Schools	64	5	69	1	0	1	22	19	41	23	18	42	46	37	83	
2	Boys Primary Schools	88	8	96	27	0	27	80	26	106	62	26	88	169	52	221	
3	Girls Middle Schools	1	1	2	1	0	1	1	1	2	2	2	4	4	3	7	
4	Boys Middle Schools	3	0	3	4	0	4	3	3	6	7	3	10	14	6	20	
5	Girls High Schools	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
6	Boys High Schools	7	0	7	6	0	6	4	2	5	1	1	3	11	3	14	
7	Higher Secondary Schools	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
8	Degree College	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
	Total	166	13	180	39	0	39	110	51	160	95	50	146	244	102	345	

(Note: CD=completely destroyed, PD=partially damaged)
Source: EDO (S&L), Battagram

Under the policy of ‘Build Back Better’ seismically resistant building designs have been developed by NESPAK. In addition, furniture and necessary office and laboratory equipment will also be provided to all the educational institutions. To improve the quality of education, teachers training will be provided throughout the District during this period.

3.4 Health Sector

i. Extent of Damages

Before Earthquake, there were 42 health facilities in the district. All these facilities were badly affected by the earthquake of 8th October, 2005. The Government of Japan, immediately after the earthquake, provided the Pre-Fabricated Structure for the District Headquarters Hospital Battagram. The rest of facilities were provided tents for their operation.

Table 13						
Extent of Damage to Health Sector						
District	No. of Tehsils	Union Councils	Health Facilities			
Battagram	2	12+8=20	Type	Total	Fully Damaged	Partially Damaged
			BHU	28	19	9
			CD	7	5	2
			RHC/CH	2/1	1/1	1/-
			THQH	-	-	-
			DHQH	1	1	-
			Others*	3	3	-
				42	33	15
*Other health facilities include MCH centre, TB Clinic etc.						
Source: Health Strategy April 2006, ERRA						

ii. Reconstruction Plan

Most of the health facilities were made functional in transitional structures or in tents in collaboration with UN and other International Agencies. Permanent facilities have been planned for reconstruction by June 2009. The health sector strategy focuses on restoring health care infrastructure through rationalized/integrated reconstruction and seismically safe and user friendly health facilities. At the same time, it recommends developing packages of services at different levels for efficient service delivery. The quality enhancement through training of professional staff is also included in the plan. A total of



41 health facilities have been planned in Battagram as one Civil Dispensary has been dropped. Four BHUs have been upgraded up to RHC level which will be reconstructed in the first year. The statistics are given in the table below:

Table 14			
Health Sector Reconstruction Plan			
Category	Year-1 2006-07	Year – 2 2007-08	Total
	Reconst.(Pledged by Govt of Japan)	Reconst. By GoP	
DHQ Hospital	1	0	1
MCH Centre	1	0	1
TB Control Centre	1	0	1
Civil Hospital Thakot	1	0	1
Rural Health Centers	5	0	5
Basic Health Units	12	13	25
Civil Dispensaries	1	5	1
EDO(Health) Office	1	0	1
Total	23	18	41

Source: EDO Health, Battagram

3.5 Water Supply and Sanitation

i. Extent of Damages

According to the 1998 District Census Report, only 20.14% of the population in Battagram had access to piped drinking water. Rest of the population availed the outside sources of drinking water. However, all water supply schemes are open surface (Gravity) schemes and therefore, during rainy season, the water becomes so muddy that it could not be used even for other purposes besides drinking.

Table 15			
Extent of Damages to Water Supply Schemes			
S. No	Category	Sub-Sector	Units Damaged
1	Gravity	Tehsil Allai	243
2		Tehsil Battagram	60
3		Public Health engg.	61
Total			364

Source: PHED/ TMAs, Battagram

A total of 364 water supply schemes were affected in district, out of which 325 units have been pledged by NGOs. The following table shows the details of units pledged by different NGOs.



Table 16			
Watsan Sector Units Pledged by NGOs			
S.No	Sub-Sector	Units Damaged	Pledged by NGOs
1	TMA, Allai Schemes	243	205
2	TMA, Battagram Schemes	60	56
3	PHED Schemes	61	55
Total		364	316
Source: TMAs/ PHED, Battagram			

ii. Reconstruction Plan

a. Reconstruction/ Rehabilitation of Water Supply Schemes

There are 48 water supply schemes which are to be rehabilitated by the Government of Pakistan while the rest of 316 schemes have been pledged by NGOs. Out of the 48 schemes, 3 are to be rehabilitated during 2006-07 and the rest of 45 schemes during 2007-08. The Rehabilitation Plan for these schemes is given as under:

Table 17					
Water Supply Schemes Reconstruction Plan					
S. No	Sub-Sector	Pledged by NGOs	Planned for Reconstruction by ERRA		Total
			2006-07	2007-08	
1	Tehsil Allai	205	0	38	243
2	Tehsil Battagram	56	0	4	60
3	Public Health engg.	55	3	3	61
Total		316	3	45	364
Source: TMAs/ PHED Battagram					

b. Sanitation Schemes and their Rehabilitation/ Reconstruction

Different sanitation schemes were also badly affected by the earth quake. It has been planned to rehabilitate/reconstruct these schemes as per schedule in the following table.

Table 18				
Water Sanitation Schemes Reconstruction Plan				
S.No	Sub-Sector	Total affected schemes	Planned for	
			2006-07	2007-08
1	Tehsil Battagram	48	24	24
2	Tehsil Allai	21	11	10
Total		69	36	34
Source: TMAs/ PHED, Battagram				

Water and sanitation is a priority area both for the Government and communities. ERRA's WATSAN programme, besides reconstruction/rehabilitation of infrastructure, includes components of waste management, reconstruction of building, training of communities in seismic resistant building designs and hygiene as well as capacity building of concerned line departments.

3.6 Governance (Administrative Infrastructure)

i. Extent of Damages

The administrative infrastructure in District Battagram were severely disrupted by the destruction of government buildings. In District Battagram, a total of 73 buildings were destroyed which are planned for reconstruction.

ii. Reconstruction Plan

The basic thrust of the reconstruction strategy for Governance Sector is to restore the buildings to the pre-earthquake level and also improve the governance system in the affected district including provision of logistic support and capacity building of the administration.

Governance Buildings Reconstruction Plan				
No of buildings damaged	No. of buildings included in the District Complex to funded by Iranian Govt.	Planned for reconstruction by Govt.		
		2006-07	2007-08	2008-09
73	30	12	15	16

Source: W&S Department, Battagram

After the Earthquake, the United Nation Development Programme, under the BEGIN-ER project, provided 50 pre-fabricated offices to different Government Departments and the union councils in the district. More demand has been submitted to the Provincial Earthquake Reconstruction & Rehabilitation Agency for provision of Pre-Fabricated Office accommodation for the government offices, which is under process.

The reconstruction of government buildings has been rationalized to make the functioning more efficient and accessible for public convenience. Previously, District Government Offices were scattered all over the area, now with the introduction of the idea of District Complex, all administrative and public services will be put under one roof. The people of District Battagram will also benefit from this rationalization and integration. The Government of Iran has shown their willingness to fund the construction of the District Complex, for which PC-I is under process.



3.7 Power (Electricity)

PESCO has full responsibility for electricity distribution in the affected districts of NWFP (Abbottabad, Mansehra, Battagram, Kohistan and Shangla). It manages both the STG and distribution (11 kV and 0.44 kV) networks, provides consumer connections, and handles billing collection and other operational matters. Prior to the earthquake, the average monthly demand for electricity in the two circles of PESCO (Abbottabad and Mansehra) which were impacted by the tremors was about 48 million K.W.

The electricity was restored to the affected areas within few days after the earthquake. However, the replacement of heavy equipment and transmission lines is in progress and would be completed by June 2008. For reconstruction of damaged facilities, procurement of necessary equipment (high and low voltage lines, transformers, grid station equipment, tools and vehicles) has been made to restore supply of power to pre-disaster level. Funding for power sector is committed by the Asian Development Bank (ADB) and the Japan Bank for International Cooperation (JBIC).

The Reconstruction and Rehabilitation cost of the power system has been provided in the following table:

Table 20		
Reconstruction and Rehabilitation Cost of Power System (PESCO)		
S.No.	Item Description	Cost (Rs.in Million)
1	132KV Grid Station/Transmission Line Equipment	5.000
2	Sub Stations Buildings (Non Residential)	2.000
3	H.T & L.T Structures	4.000
4	Accessories for H.T/L.T Lines	2.220
5	H.T and L.T Conductors	7.000
6	Distribution Transformers	6.500
7	Sub-services & Bulk Supply Connections	0.500
8	Meters for Connections	0.700
9	Testing Equipments & Line T&P	1.000
10	Installations Charges	5.640
Total		34.560
Source: Deputy General Manger PESCO, Battagram		

3.8 Transport Sector

i. Extent of Damages

A total of 238 km road was badly affected due to the earthquake in District Battagram, out of which 202.75 km has been pledged by the Asian Development Bank. The rest of 36 km road will be rehabilitated within a period of three years with following reconstruction plan.

ii. Reconstruction Plan

Table 21				
Transport Sector(Roads) Reconstruction Plan				
S.No	Year	AWP Roads (Km)	ADB pledged Roads (Km)	Total (Km)
1	2006-07	12	20	32
2	2007-08	12	80	92
3	2008-09	12	102	114
Total		36	202	238

Source: W&S Department, Battagram

In addition, the DFID has provided three belly bridges for District Battagram to be installed at the following locations given the table below:

Table 22		
Transport Sector (Bridges) Reconstruction Plan		
S.No	Name of Location	Cost (in million)
1	Gijbori	4.750
2	Kotgala	5.480
3	Biari Nulla	3.650
Total		13.880

Source: Transport Strategy, ERRA

Some kacha/pacca (unpaved/paved) roads of the Tehsil Municipal Administration were also affected. As per approved PC-Is, the rehabilitation of these kacha/pacca roads will be carried out as per details given below:

Table 23				
Planned Kacha/ Pacca Roads under Tehsil Municipal Administration				
Activity	2006-07	2007-08	2008-09	Total
No of Roads affected in Battagram	15	17	0	32
No of Roads affected in Allai	10	07	0	17
Total	25	24	0	49

Source: TMAs Battagram

The following Steel/ RCC Bridges will also be reconstructed/rehabilitated by the DFID

Table 24	
Steel/ RCC bridges to be Reconstructed by DFID	
1.	Bridge on Tailous Pashto Road in Km-8
2.	Bridge on Palang Roop Kanai Nullah
3.	RCC brige in KM 5 on Karrag Jabur Road
4.	RCC Bridge in KM 12 on Kund (Besham) Banna Road
5.	RCC Bridge in KM 22 on Battagram Shamlai Hill Road
6.	Bridge on approach Road on Govt: Degree College for Boys
Source: Transport Strategy, ERR	



3.9 Social Protection Sector

Before the earthquake no social protection strategy was ever framed. A need for framing a social protection strategy was felt for the vulnerable left after the Earthquake. Though the Department of Social Welfare was there to handle the issue regarding the vulnerability but it had no defined parameters as given in the Social Protection Strategy. The Department of Social Welfare has not been fully functional before and after the earthquake. It lacks the capacity in terms of staff and other equipment necessary to cope with needs of vulnerable before and after earthquake.

As per Social Protection Strategy, the following vulnerable groups have been identified.

1. Children (including separated, unaccompanied and orphaned)
2. Women (including widows and single headed households)
3. Elderly (both women and men)
4. Disabled
5. Landless due to the earthquake.

No specific data of the vulnerable groups after the earthquake is available in Battagram. ERR has planned to conduct a survey of all earthquake affected districts for the collection of data on vulnerable groups.

There is no camp for IDPs in District Battagram. There are 72 IDPs (Internally Displaced Persons) and families of District Battagram living in Maira Camp located in District Shangla.

3.10 Environment Sector

i. Extent of Damages

The ERR's Strategy for Environment sector indicates damages to the buildings of Forest and Wildlife Departments. Provision was therefore made in the AWP for reconstruction and repair of the earthquake damaged buildings of Forest and Wildlife Departments. PC-Is have accordingly been approved by DRAC.

Other projects under green sector projects of the Environmental Strategy of ERR have been integrated into the Livelihood Programme. Community based interventions like

social forestry watershed management and land stabilization are the main projects to be implemented through Forest Department under the Livelihood Programme.

Environmental Checklist for all Development and Reconstruction activities has been designed by ERRA to know environmental aspects and ensure mitigation measures if required. The Environmental Checklist is a part of the PC-Is of all sectors to be submitted to ERRA for funding.

Extent of Damages to Forest Sector (in Acres)				
Government Forest Area	Land slid Forest Area Damaged	Forest Damage	Private Area	Private Areas Waste Land Damaged
175000	2000	6500	672	1500
Source: Internal Sources of DRU, Battagram				

Extent of Damages to Forest Sector	
Type of Damages	Area in acres
Heavy landslide (land turned over)	2000
Threatened Area (root system damaged)	135250
Regeneration Area (anticipated new land slides)	2500
Regeneration Area	1500
Buildings/Infrastructure (sq ft)	276149
Roads (km)	105
Source: Internal Sources of DRU, Battagram	

Extent of Damages to Fisheries Department	
Name of the Facility Damaged	Area
Fish Hatchery at Pokal, Allai	14286 sq ft.
Source: Internal Sources of DRU, Battagram	

Annexes

- A. Annual Work Plan; List of Projects/Schemes/
Financial Requirements**
- B. List of Union Councils**
- C. onsible agencies and contacts in the
District**
- D. Ma**

A. Annual Work Plan; List of Projects/Schemes

Financial Requirements for Reconstruction and Rehabilitation of Government Infrastructure Damaged By the Earthquake

On the basis of initial rough estimates calculated on the basis of per sq ft rates fixed by ERRRA, the financial requirements for different Sectors of the District Battagram are given below, which are subject to change after receipt of the actual cost estimates from the NESPAK:

S.No	Sector	No of Units damaged	Pledged Units	Balance Units	Cost of Balance Units(Rs Millions)
1	Education	525	180	345	1150.000
2	Health	41	23	18	80.000
3	Water Supply Schemes	364	316	48	21.576
4	Governance Buildings	73	30	42	1163.000
5	Water Channels	14	0	14	4.518
6	Roads	60	18	42	662.490
7	Forest (Buildings)	37	0	37	38.720
8	Sanitation	69	0	69	71.200
9	Agriculture	12	0	12	44.490
Total		1195	567	627	3235.994

**LIST OF UNION COUNCILS, VILLAGES AND POPULATION OF DISTRICT
BATTAGRAM ACCORDING TO CENCUS REPORT OF 1998.**

S.No	Tehsil	Union Council	Name of	Name of Muza,	Population	Population of U/C
1	Battagram	Ajmera	Ajmera	Ajmera	7511	19098
				Noshera	1138	
				Matta	1374	
				Maidan	837	
				Chapargram	5938	
			Tamai	2300		
2	Battagram	Battagram	Battagram	11534	13775	
			Arghashori	2241		
3	Battagram	Batamori	Batamori	Batamori	1888	18720
				Shamali		
				Batamori		
				Jonobi	2200	
				Kakarshang	1898	
				kadlay	2544	
				Jesol	2514	
				Habib Banda	2354	
				Chita Banda	2029	
				Rajmera	3293	
4	Battagram	Shamlai	Shamlai	3040	17727	
			Bansair	2466		
			Kahiat	1279		

					Shah Khel	2085	
				Hill	Hill	5466	
					Malkal Gali	3391	
				Phagora	Phagora	7168	
				Neelishang	Neelishang	2751	
					Sharqi	2345	
					Neelishang		
					Gharbi		
					Rajdhari		
					Shamlai	1518	
					Rajdhari		
					Jonobi	2170	
					Banian	3541	
					Dagai	2573	
					Dedal	3260	
					Bandigo	1712	
					Chohan	2989	
					Dahrian	1455	
					Kuza Banda	3883	
					Bilandkot	3438	
					Saidra	794	
					Tickri	1908	
					Maira	5026	
					Sofian	1863	
					Trand	3137	
					Gidri	2705	
					Gidri	2705	
					Pirhari	5907	
					Gijbori	7395	
					Shingli Bala	6183	
					Chilar Sokar	965	
5	Battagram	Rajdahri					15952
6	Battagram	Banian					15530
7	Battagram	Kuza Banda					16912
8	Battagram	Trand					11749
9	Battagram	Gijbor					14543

10	Battagram	Peshora	Peshora	Peshora Kotgalla	5007 2978	12754
11	Battagram	Thakot	Hutal Deshan	Aughaz Banda Shingli Payeen Hutal Batlay Chanjrat Qinjbori Thakot Barsar Bishkot	2024 4745 4412 1184 2402 764 4576 2703 2395	18436
12	Battagram	Paimal Sharif	Paimal Sharif	Paimal Sharif Dabri Shamarad Rangeen Abad	2500 2928 2503 2499	10430
				TOOTAL		185626
				TEHSIL ALLAI		
13	Allai	Hutal Batkul	Batkul	Hutal Batkul Qala Kanai Bab Aban Surgai	2974 3570 4714 3301 1745 2275	18579

14	Allai	Jambera	Jambera	Jambera	4636 1597 2004 3259 1513 3535	13009
15	Allai	Banna	Cheeran Banna	Cheeran Saj Biar Banna Tailoos Kass Koshgram Bari Asharban	1527 1897 2446 3161 2618 4277	15184
16	Allai	Biari	Biari	Pokal Karg Rabat Bandi	3787 3644 2369 1657	15734
17	Allai	Rashang	Rashang Gangwal Gantar	Rashang Gangwal Gantar Nehr	5140 3524 5326 3006	16996
18	Allai	Bateela	Bateela Nogram	Bateela Bojri Nogram Bandi Ropkani	3522 2944 4141 2070	12677
19	Allai	Pashto	Pashto Null	Pashto Mir Ali Qala Batangi Null Jangri Pakka Baig	2857 1851 2198 3087 1232 2084	13309

20	Allai	Sakargah Bala	Sakargah Bala	Sakargah Bala	1596	16164
				Sakargah Payeen	1270	
				Jabri	997	
				Dirkad	1104	
				Pazang	3738	
			Tandol	Tandol Bala	3166	
				Tandol Payeen	2252	
				Laghrai	2041	
				TOOTAL		121652
				GRAND TOTAL		307278

C. Key Responsible Agencies and Contacts in the District

Government					
District Administration					
Name	Title	Email	Contact No.	Location	
Ihsan Ullah	District Nazim		0997 310600/ 0333 536 1173/0300 530 8128	Batagram	
Amin ul Haq	District Coordination Officer		0300 587 1094/ 0997 310030 Fax: 0997 311789	Battagram	
Saeed ur Rahman	Distt. Officer Revenue		0997 310001 0333 970 3644 / 0997 310036, 71	Batagram	
Waqif Khan	District Police Officer		0997 311161/0300 301 9493	Battagram	
Zahir Khan	EDO Agriculture		0301 817 4788	Batagram	
Syed Sadiq Hussain Shah	Agriculture Officer Allai			Batagram/Allai	
Mukhtar Khan	EDO S & L		0997 311439	Batagram	
Bakht Zada	EDO (S&L)		0302 574 3779	Batagram	
Dr. Zafeer Hussain	EDO health	zfhusain2006@hotmail.com	0300 911 2148	Batagram	
Shoukat Shah	EDO Works and Services		0997 310004/0997 337 047	Batagram	
Manzoor Khan	SDO PHED		0997 310 766	Batagram	
Zafar Ali Khan	Tehsil Nazim Batagram		0300 811 2092 / 0997 310211	Batagram	
Gohar Ali Khan	Tehsil Nazim Allai		0997 319 012 /0301 8141907	Batagram	
Awais Jadoon	TMO Batagram		0997 310 176	Batagram	
Fida Khan	TMO Allai		0997 319 012/0300 588 2501	Allai	
Abdul Hamid	HRDO/District Social Welfare Officer		0345 912 6118	Batagram	
District Reconstruction Unit Batagram					
Muhammad Farid	Program Manager		0300 561 5660 / 0997312 109	Batagram	
Ayaz Gul	District Planing Expert		0333 920 6459	Batagram	
Muhammad Yousaf	Office Manager	yousaf@erra.gov.pk	0300 5643329	Batagram	

Samim Ullah	Junior M & E Monitoring & Evaluation officer	saminullahafriidi@yahoo.com	0333 9234 733	Batagram
Haq Nawaz Khan		h_nawaz67@yahoo.com	0301 8843459	Batagram
Muhammd Iqbal	Jr. M & E	iqbalnabi@hotmail.com	0300 582 6466	Batagram
Riaz Ali Shah	Jr. Engineer		0302 8833 495	Batagram
Amir Rahat	Watsan Coordinator	aalishah75@gmail.com	0306 8141 454	Batagram
Shehar Yar Ihsan Khan	Social Protection Cordinator	sheryarahsankhan@yahoo.com	0345 968 1902	Batagram
Abdul Qadoos	Account Officer		0301 8163171	Batagram
Jehangir Khan	F.M.O		0300 5976214	Batagram
Khurshid	F.M.A		0345-9557788	Batagram
District / Tehsil Nazims				
Ihsanullah Khan	District Nazim		0300 530 8128 / 0997 310600	Battagram
Naiz Muhammad Khan Tarand	Naib District Nazim		0300-812 3450/0997 315037	Batagram
Khanzada Khan	Tehsil Nazim Batagram		0300 811 2092	Batagram
Gohar Ali Khan	Tehsil Nazim Allai		0997 319 2 Allai	

Annual Work Plan, 2006-07
Education Sector (Completely Damaged)

S.No	Union councils	Name of School		Nos of TEACHER	Nos of STUDENT	FD	2006-07	Tentative cost
1	BATAMORI	GPS;	Kakarshang	2	34	FD	2006-07	2.975
2	BATAMORI	GPS;	Kadlo	2	70	FD	2006-07	2.975
3	BATAMORI	GPS;	Hanif Abad	2	69	FD	2006-07	2.975
4	SHAMLAI	GPS;	Thore	2	58	FD	2006-07	2.975
5	SHAMLAI	GPS;	Malkal Gali	2	79	FD	2006-07	2.975
6	SHAMLAI	GPS;	Hill	2	112	FD	2006-07	2.975
7	SHAMLAI	GPS;	Tranger	2	113	FD	2006-07	2.975
8	SHAMLAI	GPS;	Dood Pati	2	56	FD	2006-07	2.975
9	THAKOT	GPS;	Ashotar	3	105	FD	2006-07	2.975
10	BANIAN	GPS;	Battian	2	50	FD	2006-07	2.975
11	PESHORA	GPS;	Landai	2	81	FD	2006-07	2.975
12	JAMBERA	GPS;	Managane Kallay	2	82	FD	2006-07	2.975
13	RASHANG	GPS;	Gangwal	3	122	FD	2006-07	2.975
14	RASHANG	GPS;	Kakshar	2	66	FD	2006-07	2.975
15	RASHANG	GPS;	Shamshir	3	110	FD	2006-07	2.975
16	RASHANG	GPS;	Beran Gantar	2	61	FD	2006-07	2.975
17	SAKARGAH	GPS;	Bar Sakargah	4	160	FD	2006-07	2.975
18	SAKARGAH	GPS;	Pazang	2	68	FD	2006-07	2.975
19	SAKARGAH	GPS;	Kuz Tandool	2	61	FD	2006-07	2.975
20	SAKARGAH	GPS;	Bar Tandool	2	51	FD	2006-07	2.975
21	SAKARGAH	GPS;	Shagy Tandool	2	58	FD	2006-07	2.975
22	SAKARGAH	GPS;	Tandol Golisatbar	2	67	FD	2006-07	2.975
23	PASHTO	GPS;	Batangi Pashto	2	74	FD	2006-07	2.975
24	BATTAGRAM	GPS;	Battangai	2	73	FD	2006-07	2.975
25	GIJBORI	GPS;	Batarkool	2	90	FD	2006-07	2.975
26	JAMBERA	GPS;	Pitow Cheeran	2	59	FD	2006-07	2.975
27	JAMBERA	GPS;	Sijbiar	2	39	FD	2006-07	2.975
28	AJMERA	GGPS	Matoqar	2	53	FD	2006-07	2.975
29	Gijbori	GHS	Gijbori		90	FD	2006-07	15.95
30	Banian	GHS	Bandigo		201	FD	2006-07	15.95
31	Rashang	GHS	Rashang		115	FD	2006-07	15.95
32	Sakargah	GHS	Sakargah		83	FD	2006-07	15.95
33	Pashto	GHS	Pashto		108	FD	2006-07	15.95
34	Bateela	GHS	Bateela		180	FD	2006-07	15.95
35	Ajmera	GMS	Ajmera		94		2006-07	3.58
36	Batamohri	GMS	Pahgora		85	FD	2006-07	3.58
37	Pashto	GMS	B/Pashto		109	FD	2006-07	3.58
38	Ajmera	GGMS	Mata Maidan		18	FD	2006-07	3.58
39	Ajmera	GMS	Chappargram		87	FD	2006-07	3.58

EXECUTIVE DISTRICT OFFICER
SCHOOLS & LITERACY BATTAGRAM

S.No	Name of Scheme	Cost	For 2007-08
1	Range Office, Hillan	2.440	2.440
2	Junior Clerk Qtr, Battagram	0.938	0.938
3	Forest Qtr, Battagram (2 No)	1.876	1.876
4	Forest Qtr, Biari, Allai	0.938	0.938
5	Forest Qtr Rashang Allai	0.938	0.938
6	Forest Qtr Hillan	0.938	0.938
7	Forest Guard Kuza Banda, Battagram	0.560	0.560
8	Forest Guard Battamori	0.560	0.560
9	Driver Qtr Battagram	0.560	0.560
10	Chowkidar Qtr, Battagram (3No)	1.680	1.680
11	Peon Qtr, Battagram (2No)	1.120	1.120
12	Chowkidar Qtr, Shamlai	0.560	0.560
13	Peon Qtr, Shamlai	0.560	0.560
14	Rest House Gangwal Allai	3.000	3.000
15	Rest House Bateela Alli	3.000	3.000
16	Forest Hut Dabri Paimal	1.334	1.334
17	Forest Hut Shakil Dunga	1.334	1.334
18	Forest Hut Hattian Danna	1.334	1.334
19	Range Office, W/Shed Karg	2.000	2.000
20	Godown W/ Shed Kanai	1.100	1.100
21	Chowkidar Qtr Gangwal Allai	0.560	0.560
22	DFO Office, Battagram	3.360	3.360
23	DFO Residence Battagram	3.200	3.200
24	Range Quarter, Battagram	2.900	2.900
25	Range Quarter, Hillan, Shamlia, Allai	1.878	1.878
26	Range Quarter, Allai	1.876	1.876
27	Range Quarter/ Residence Banna Kassai, Pashto Range	3.000	3.000
28	Assistant Quarter, Battagram	1.474	1.474
29	Senior Clerk Quarter, Battagram	1.474	1.474
30	Junior Clerk Battagram (3 No)	2.814	2.814
31	Range Office, Unahar	5.060	5.060
32	Range Office, Allai	2.900	2.900
Total Forest		29.936	29.936
33	Re-Aforestation/ Rehabilitation in the Earthquake affected Areas of Distt Battagram	13.889	3.862
Total		101.091	91.064

SR. NO	TITLE OF THE BUILDING	NO. OF BUILDINGS	Estd Cost	Year of Construction		
				2006-07	2007-08	2008-09
1	Tehsil Building / Patwar Khana, Allai	1	4.350	1.436	2.915	0.000
2	Civil Judge Court at Allai	1	2.750	0.908	1.843	0.000
3	Residence for Civil Judge, Allai	1	2.850	0.941	1.910	0.000
4	Sub-Engineer Residence Allai	1	8.150	2.690	5.461	0.000
5	Police Line Battagram	1	17.000	5.610	11.390	0.000
6	Police Station Battagram	1	8.350	2.756	5.595	0.000
7	Police Station, Banna	1	8.350	2.756	5.595	0.000
8	Police Station Chanjal	1	8.350	2.756	5.595	0.000
9	Police Station Pazang	1	5.500	1.815	3.685	0.000
10	Police Station Kuza Banda	1	5.500	1.815	3.685	0.000
11	Police Station Shimlai	1	5.500	1.815	3.685	0.000
12	TMA Office Allai	1	4.760	1.571	3.189	0.000
13	Rest House Thakot.	1	7.680	0.000	7.680	0.000
14	Rest House Kuzabanda.	1	7.200	0.000	7.200	0.000
15	Rest House Battagram.	1	6.720	0.000	6.720	0.000
16	Tehsil Building/Patwar Khana Allai.	1	4.800	0.000	4.800	0.000
17	Union Council Office Bateela.	1	2.376	0.000	2.376	0.000
18	Union Council Office Kuzabanda.	1	2.376	0.000	2.376	0.000
19	Union Council Office Rajdheri.	1	2.376	0.000	2.376	0.000
20	Union Council Office Battamori.	1	2.376	0.000	2.376	0.000
21	Police Staff Quarter Chanjal	7	10.181	0.000	10.181	0.000
22	Police Staff Quarter Pazang.	7	10.181	0.000	0.000	10.181
23	Police Staff Quarter Banna.	7	10.181	0.000	0.000	10.181
24	Sub Engineer Office (W&S) Allai.	1	1.824	0.000	0.000	1.824
25	Rest House Banna	1	10.080	0.000	0.000	10.080
Subtotal		43	159.760	26.865	100.629	32.265

Livelihood, Sector Work Plan 2007-08

S.No	Name of scheme	Tehsil	UC
1	Agriculture Extension Centre, Banian	Battagram	Banian
2	Agriculture Extension Centre, Kuza Banda	Battagram	Kuza Banda
3	Agriculture Extension Centre, Battamori	Battagram	Battamori
4	Agriculture Extension Centre, Thakot	Battagram	Thakot
5	Agriculture Extension Centre, Paimal	Battagram	Paimal Sharif
6	Agriculture Extension Centre, Houtel Batkol	Allai	Houtel Batkol
7	Agriculture Extension Centre, Rashang	Allai	Rashang
8	Agriculture Extension Centre, Sakkargah	Allai	Sakkargah
9	Agriculture Extension Centre, Pashto	Allai	Pashto
10	Civil Veterinary Hospital Battagram	Battagram	Ajmera
11	Veterinary Officer Residence, Battagram	Battagram	Ajmera
12	Class IV Quarter, CVD, Battagram	Battagram	Ajmera
13	Veterinary Assistant Quarter, Allai	Allai	Banna
14	Class IV Quarter, CVD, Allai	Allai	Banna
15	Veterinary Assistant Quarter, Sakargah, Allai	Allai	Sakkargah
16	Class IV Quarter, CVD, Sakargah, Allai	Allai	Sakkargah
17	Civil Veterinary Dispensary Battagram	Battagram	Ajmera
18	Civil Veterinary Dispensary, Sakargah, Allai	Allai	Sakkargah
19	Water Channel Sosembora		
20	Water Channel Hill Doga		
21	Water Channel Hill Kalas		
22	Water Channel Rajdhari		
23	Water Channel Kuz Lahti Largram		
24	Water Channel Rabat Payeen		
25	Water Channel Sokarh Khawar		
26	Water Channel Athra Rajdhari		
27	Water Channel Serishamurad		
28	Water Channel Sahib Shorghara		
29	Water Channel Iqbalabad		
30	Water Channel Kuzgoryar		
31	Water Channel Bala Paimal		
32	Water Channel Jranda Batamori		
Total			

Livelihood, Sector Work Plan 2007-08

S.No	Name of scheme	Tehsil	UC	Cost	Year 2007-08
1	Agriculture Extension Centre, Banian	Battagram	Banian	9.168	9.168
2	Agriculture Extension Centre, Kuza Banda	Battagram	Kuza Banda	9.168	9.168
3	Agriculture Extension Centre, Battamori	Battagram	Battamori	9.168	9.168
4	Agriculture Extension Centre, Thakot	Battagram	Thakot	9.168	9.168
5	Agriculture Extension Centre, Paimal	Battagram	Paimal Sharif	9.168	9.168
6	Agriculture Extension Centre, Houtel Batkol	Allai	Houtel Batkol	9.168	9.168
7	Agriculture Extension Centre, Rashang	Allai	Rashang	9.168	9.168
8	Agriculture Extension Centre, Sakkargah	Allai	Sakkargah	9.168	9.168
9	Agriculture Extension Centre, Pashto	Allai	Pashto	9.168	9.168
10	Civil Veterinary Hospital Battagram	Battagram	Ajmera	3.369	3.369
11	Veterinary Officer Residence, Battagram	Battagram	Ajmera	1.848	1.848
12	Class IV Quarter, CVD, Battagram	Battagram	Ajmera	1.200	1.200
13	Veterinary Assistant Quarter, Allai	Allai	Banna	1.200	1.200
14	Class IV Quarter, CVD, Allai	Allai	Banna	0.820	0.820
15	Veterinary Assistant Quarter, Sakargah, Allai	Allai	Sakkargah	1.200	1.200
16	Class IV Quarter, CVD, Sakargah, Allai	Allai	Sakkargah	0.820	0.820
17	Civil Veterinary Dispensary Battagram	Battagram	Ajmera	2.340	2.340
18	Civil Veterinary Dispensary, Sakargah, Allai	Allai	Sakkargah	2.340	2.340
19	Water Channel Sosembora			0.183	0.183
20	Water Channel Hill Doga			0.209	0.209
21	Water Channel Hill Kalas			0.178	0.178
22	Water Channel Rajdhari			0.345	0.345
23	Water Channel Kuz Lahti Largram			0.157	0.157
24	Water Channel Rabat Payeen			0.250	0.250
25	Water Channel Sokarh Khawar			0.429	0.429
26	Water Channel Athra Rajdhari			0.416	0.416
27	Water Channel Serishamurad			0.490	0.490
28	Water Channel Sahib Shorghara			0.473	0.473
29	Water Channel Iqbalabad			0.495	0.495
30	Water Channel Kuzgoryar			0.475	0.475
31	Water Channel Bala Paimal			0.244	0.244
32	Water Channel Jranda Batamori			0.174	0.174
Total				102.165	102.165

TMA BATTAGRAM ROADS

S.No	Tehsil	Name Union	Village / Scheme	Estimated Cost (Rs. In		Implementation period (year)	
				2006-07	2007-08	2006-07	2007-08
1	Battagram	Battagram	Constt: Chari Zeenat Khan Road	1.680	1.680	0.000	1.680
2	Battagram	Battagram	PCC Road Battagram Village	0.200	0.200	0.000	0.200
3	Battagram	Ajmera	Constt: of Road Noshera Malkal	0.080	0.080	0.000	0.080
4	Battagram	Ajmera	Constt: of Road Shabawara Palingo	0.050	0.050	0.000	0.050
5	Battagram	Ajmera	Constt: of Road Ajmal Khan Takya Chapargram	0.020	0.020	0.000	0.020
6	Battagram	Thakot	Constt: of Road Barsar Chapar	0.100	0.100	0.000	0.100
7	Battagram	Rajdhari	Constt: of Road KKH to Morr Andar Wali Neelishang	0.150	0.150	0.000	0.150
8	Battagram	Shamlai	Constt: of Road Tapka Shamlai	0.300	0.300	0.000	0.300
9	Battagram	Shamlai	Rapir of Kass Merani Bridge Trangarr	0.100	0.100	0.000	0.100
10	Battagram	Battamori	Constt: of Road Hbib Banda Chitta Batta Khwar	0.200	0.200	0.000	0.200
11	Battagram	Battamori	Constt: of Link Road Dheri Raj Mera shingri	0.045	0.045	0.000	0.045
12	Battagram	Gijbori	Constt: of Road chilar Sokar Banda Akhoon Zada	0.045	0.045	0.000	0.045
13	Battagram	Banian	Constt: of Link Road Mach Khwar Nasir Abad Bandigo Gul Dheri	0.040	0.040	0.000	0.040
14	Battagram	Banian	Constt: of Raod Banian to Kolai	0.300	0.300	0.000	0.300
15	Battagram	Banian	Constt: of Raod Bandigo Chahan	0.025	0.025	0.000	0.025
16	Battagram	Ajmera	Constt: of Raod Kandar Gitloo Peza Biland Kot Ajmera	0.020	0.000	0.020	0.020
17	Battagram	Thakot	Constt: of Road Thakot Draband to Nkhtar Thakot	0.200	0.000	0.200	0.200
18	Battagram	Rajdhari	Constt: of KKH Jabri Raod, Rajdhari	0.150	0.000	0.150	0.150
19	Battagram	Rajdhari	Constt: of KKH to Link Road Sango Hanif Bad Rajdhari	0.030	0.000	0.030	0.030
20	Battagram	Rajdhari	Constt: of KKH Phagora Hanif Bad Road, Rajdhari	0.030	0.000	0.030	0.030
21	Battagram	Shamlai	Constt: of Road Thoar Morr to Malkal Shamlai	0.300	0.000	0.300	0.300
22	Battagram	PAIMAL	Constt: of Raod Rangeen Abad Sakar Gah from Kanshai Paimal Sharif	0.600	0.000	0.600	0.600
23	Battagram	PAIMAL	Constt: of Kanshai to Ardool Road, Paimal Sharif	0.500	0.000	0.500	0.500
24	Battagram	PAIMAL	Constt: of Ardool to Largram Road, Paimal Sharif	0.500	0.000	0.500	0.500
25	Battagram	Gijbori	Constt: of Miakal Road from Oghi Gijbori	0.100	0.000	0.100	0.100
26	Battagram	Battamori	Constt: of Sanda Sar Raod from Shalai, Battamori	0.050	0.000	0.050	0.050
27	Battagram	Banian	Constt: of Raod Bandigo to Dalbori Kandow, Banian	0.800	0.000	0.800	0.800
28	Battagram	Banian	Constt: of Raod Wahid Abad Garang from Banian Chattar Plain Road Banian	0.020	0.000	0.020	0.020
29	Battagram	Banian	PCC Road Ghari Muzaffar Khan Banian	0.025	0.000	0.025	0.025
30	Battagram	Banian	Constt: of Road Raban to Threrra Bandigo Banian	0.050	0.000	0.050	0.050
31	Battagram	K.BANDA	Constt: of Road Meeran from Knadow Road Koza Banda	0.050	0.000	0.050	0.050
32	Battagram	Peshora	Constt: of shingli Payeen Road from Ughaz Banda Peshora	0.080	0.000	0.080	0.080

Sl: No.	Tehsil/Name of Road.	Total Length/damag Length(Km).	Estimate Cost Rs(M).	Existing Formation/black topped width (m).	Proposed formation/black topped width(m).
Category-1					
Battagram.					
PACKAGE-I					
1	Battagram Oghi Road.	15/15	39.484	7.31/6.1(6 km) 6.5/3.65(9 km).	7.31/6.1(B.T=6(km) 6.5/3.65(B.T.=9 km).
2	Landikass perhari Road.	13/9	35.05	7.31/3.65 B.T=6 KM Shingle=7 Km.	7.31/3.65 B.T=6 KM Shingle=3 Km.
TOTAL PACKAGE-I		28/24	74.53		
PACKAGE-II					
1	Kuzabanda Chattarplain Road.	24.25/24/25	84.875	7.31/3.65	7.31/3.65
TOTAL PACKAGE -II		24.25/24/25	84.875		
PACKAGE-III					
1	Hill Ziarat shamlai Road.	7-7.	29.803	7.31/3.65	7.31/3.65
2	Japan Bridge to Kotgala Road.	3-3.	6	4.5/Shingle.	4.5/Shingle.
3	Paimal to Rangeen abad Surgai Road.	15/15	36.95	4.5-7.31/3.65 B.T.=7 Km Shingle=15 km.	4.5-7.31/3.65 B.T.=7 Km Shingle=15 km.
4	Kohani Merani Chill Road.	12-12.	30	4.5/Shingle.	4.5/Shingle.
5	Lachmera Road.	4-5.	10	4.5/Shingle.	4.5/Shingle.
6	Arghashori to Dheri Malang khan Road.	3.15/1.5	3.75	4.5/Shingle.	4.5/Shingle.
TOTAL PACKAGE-III.		45.15/42.5	116.503		
Allai.					
PACKAGE-IV					
1	Bihari Gidri Road.	12-12.	41.12	6/3.65 B.T=6 km Shingle=6 km	6/3.65 B.T=6 km Shingle=6 km
2	Karg Jabbar Road.	12,12	16.505	7.31-3.65 B.T=9 km Shingle=3 km	7.31-3.65 B.T=9 km Shingle=3 km
TOTAL PACKAGE-IV		24/24	57.625		
PACKAGE-V					
1	Asharban Doundara Road.	2-2.	4	4.5/Shingle.	4.5/Shingle.
2	Jambura road to Allai road via kuntargat	3-3.	9	4.5/Shingle.	4.5/Shingle.
3	Pazang Road.	4-4.	8	4.5/Shingle.	4.5/Shingle.
4	Sakargh Darra Road.	2-4.	4	7.32-3.65 B.t=2 km Shingle=2 km	7.32-3.65 Shingle=2 km

Sl: No.	Tehsil/Name of Road.	Total Length/damag Length(Km).	Estimate Cost Rs(M).	Existing Formation/black topped width (m).	Proposed formation/black topped width(m).
TOTAL PACKAGE-V		8-11.	25		
PACKAGE-VI					
1	Kund Banna Road.	29/20	60	5.7-31/3.65 B.t=1 km Shingle=19 km	5.7-31/3.65 B.t=1 km Shingle=19 km
TOTAL PACKAGE-VI		29/20	60		
TOTAL PACKAGE I-VI			418.537		
Escalation.			35.804		
G.TOTAL.			454.341		
PRIORITY-I					
1	Shingli Paveen to Kass Bridge.	5-5.	15	4.5 M-Shingle/-	6 M shingle/-
2	Ajmera to Nowshera Road.	3-3.	9	3 M shingle/-	6 M shingle/-
3	Chinjwal Battagram Oghi Road to	3-3.	9	4.5 M-Shingle/-	6 M shingle/-
4	Shingri to Joze Road.	5-5.	15	4 M-Shingle/-	6 M shingle/-
5	Hill Malkal Gali thore Road.	6-6.	18	4 M-Shingle/-	6 M shingle/-
6	Kadli Road.	5-5.	15	4 M-Shingle/-	6 M shingle/-
7	Kadow Meeran Road.	4-4.	12	3 M-Shingle/-	6 M shingle/-
8	Bilandkot Road.	8-8.	24	6-M shingle 4-KM shingle 4-KM B/Topped.	6 M /3.65 M B.T 4-km
9	Gijbori to Nowshera Road.	4-4.	12	4-M Shingle	6-M shingle.
10	Banda Akhounzadgan Road.	4-4.	12	4-M shingle.	6-M shingle.
TEHSIL ALLAI					
PRIORITY-I					
11	Baba Khawar to Bab Village Road.	1-2.	3	4-M shingle.	6-M shingle.
12	Banna Road to Kuz Sardaila Road.	5-5.	15	4-M shingle.	6-M shingle.
13	Pashto to saeedabad Road.	4-4.	12	4-M shingle.	6-M shingle.
14	Nogram to Gantar Road.	8-8.	24	4-M shingle.	6-M shingle.
15	Kuz Tandool to Upper Tandool Road.	5-5.	15	4-M shingle.	6-M shingle.
16	Panjool to Largram Road.	5-5.	15	4-M shingle.	6-M shingle.
17	Bojri to Nehar Kadow.	8-8.	24	4-M shingle.	6-M shingle.
TEHSIL BATTAGRAM.					
PRIORITY-II					
1	Camp Gali to Neelishang Kathora Sarmast Road.	5-5.	15	4-M shingle. 3.65 M B.T.3-KM	6-M shingle./3.65 B.T=3-KM.
2	Gijbori Mangri Lonia Road.	9-9.	27	4-M shingle.	6-M shingle.
3	Rangeen abad to Kanai Batkool Road i/c bridge.	11-11.	45	4-M shingle.	6-M shingle.

Sl: No.	Tehsil/Name of Road.	Total Length/damag Length(Km).	Estimate Cost Rs(M).	Existing Formation/black topped width (m).	Proposed formation/black topped width(m).
4	Japan Bridge to Landai to Kala Dakha Road.	4-4.	24	4-M shingle.	6-M shingle. 3.65 B.T.=2-KM.
5	Khushal abad to Battangai Road.	4-4.	12	4-M shingle.	6-M shingle.
6	Chohan Road to Faizabad.	1.5/1.5	4.5	4.5M 3.65 M B.T.	6 M 3.65 M B.T.
7	Maira to Khatoona Road.	4-4.	12	4.5M 3.65 M B.T. 2-KM	6 M 3.65 M B.T. 2 Km
8	Bandigo to Ali Dehri.	6-6.	18	4.5M 3.65 M B.T. 3-KM	6 M 3.65 M B.T. 3 Km
TEHSIL ALLAI.					
PRIORITY-II					
9	Karkat Khawar to umray Kotkay road.	5-5.	15	4-M shingle.	6-M shingle.
10	Saeedabad to Pacca Back.	10-10.	30	-	6-M shingle.
11	Karkat Khawar to Chapray Road.	5-5.	15	4-M shingle.	6-M shingle.
12	Matto to Nehar.	5-5.	15	4-M shingle.	6-M shingle.
TEHSIL BATTAGRAM.					
PRIORITY-III.					
1	Banseer Adda to Shumlai Road.	1-1.	3	4-M shingle.	6-M shingle.
2	Chattarplain Road to Porra Village.	2-2.	6	4-M shingle.	6-M shingle.
3	Malkal Gali to Kathora to Baleemang.	12-12.	36	4-M shingle.	6-M shingle.
4	Chanjal to Shahmurad Road.	5-7.	15	4-M shingle./3.65 B.T.=2-Kms.	6-M shingle./3.65 M B.T.=2-Kms.
5	KKH Road to Neelishang Village.	2-2.	6	6-M/3.65 B.T.=2-Kms	6-M/3.65 B.T.=2-Kms
TEHSIL ALLAI.					
PRIORITY-III.					
6	Sajbiar to Kandow Road.	8-8.	24	4-M shingle.	6-M shingle.
7	Banna to Dhantai Road.	2-2.	6	4-M shingle.	6-M shingle.
8	Rashang to Biari Village Road.	2-2.	6	4-M shingle.	6-M shingle.
TEHSIL ALLAI.					
PRIORITY-III.					
9	Rashang to Nala Rashang Road.	5-5.	15	4-M shingle.	6-M shingle.
10	Largram Kandow to Rehar.	7-7.	21	4-M shingle.	6-M shingle.
11	Banna to Moreen.	2-2.	6	4-M shingle.	6-M shingle.
12	Darab Khawar to Tharkhay Batkool Road.	8-8.	24	4-M shingle.	6-M shingle.
TOTAL.			661.5		
Escalation.			37.7325		
G.TOTAL.			699.2325		

District Profile Development Team

Earthquake Reconstruction and Rehabilitation Authority – ERRA	
Lt. Gen Nadeem Ahmed	Deputy Chairman ERRA
Khadija Khan	Chief Knowledge Management
Abdul Akbar Shah	Research Officer
Hina Tabassum Cheema	Research Officer
Taniya Shah	Research Officer
Waheed Ahmed	Research Officer
Ishtiaq Ahmed Sandhu	GIS Specialist
Zahid Malik	Data Analyst
State Earthquake Reconstruction and Rehabilitation Agency - SERRA (AJK)	
Dr. Syed Asif Hussain	Director General – SERRA
Dr. Syed Ghulam Haider Kazmi	Regional Planning Expert
Malik M. Sadiq	District Planning Expert DRU, Bagh
Muhammad Khan Ranjha	District Planning Expert DRU, Rawalakot
Qaiser Alam Khan	District Planning Expert DRU, Muzaffarabad
Provincial Earthquake Reconstruction and Rehabilitation Agency - PERRA (NWFP)	
Mr. Habib Ullah Khan	Director General - PERRA
Musaddiq A. Khan	Provincial Planning Expert
Mohammad Ashraf	District Planning Expert DRU, Mansehra
Abdul-Haleem & Faisal Azam	M&E Officers DRU, Abbottabad
Ayaz Gul	District Planning Expert DRU, Battagram
Noor-ul-Hadi	M&E Officer DRU, Kohistan
S.Bahadur Qutoshi	Senior Program Coordinator DRU, Shangla

Other Publications of Earthquake Reconstruction and Rehabilitation Authority (ERRA) Published	
Annual Review 2005-06	District Profiles
1. Rebuild Revive With Dignity & Hope	1. Muzaffarabad/Neelum
ERRA's Sector Wise Strategies	2. Rawalakot/Poonch
1. Rural Housing	3. Bagh
2. Urban Housing & Town Planning	4. Abbottabad
3. Health	5. Mansehera
4. Education	6. Battagram
5. Governance	7. Shangla
6. Water Supply & Sanitation	8. Kohistan
7. Transport	ERRA Brochure
8. Environment	ERRA Newsletter(Monthly)
9. Livelihood	
10. Power	
11. Social Protection	
12. Telecommunication	
Soon to be Published	
1. Annual Review 2006-07	
2. Case Studies	
i- Housing	ii- Livelihood Cash Grants
iii- Social Sector (Health & Education)	iv- Handling of IDPs

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