

Příloha č. 5 Akční plán rehabilitace krajiny ve vybraných 2 kebelích

Activity plan for the year 2017 and 2018

No	Activities	Unit	Work Norm	Annual Target	Total Pd*
1	Terraces construction				
1.1	Stone faced soil bund	Km	250pd/km	10	2500
1.2	Stone bund	Km	250pd/km	20	5000
2	Integrated Gully Control				
2.1	Check-dam construction	Km /M ³	1pd/0.5m ³	1/1750	3500
2.2	Brushwood check-dam	No	3linear meters/day	1000	333
2.3	Gabion check-dam	No/.M ³	1pd/0.25 m ³ ^{gabion fill}	200	800
2.4	Stone collection & transport	M3	1pd/0.5m ³	1000	2000
2.5	Gully Cut & fill/reshaping/leveling	No/.M ³	1pd/1m ³	2000	2000
2.6	Gully re-vegetation	Ha.	500pd/ha	1	500
3	Moisture conservation				
3.1	Micro basin (MBs)	No	1pd/5MB	50000	2000
3.2	Trench construction	No	1pd/Trench/day	10000	10000
3.3					
4	Tree planation Activities				
4.1	Multipurpose Seedling production	No	45pd/1000seedling	150000	6750
4.2	Seedling planting	No	1pd/50seedlings	50000	1000
4.3	Seedling distribution	No	-	100000	-
5	Vegetative Measures				
5.1	Planting on bunds	Km	16pd/km	10	160
5.2	Direct sowing	ha	-	15	-
6	Area Closure	ha	4pd/ha/year	6ha/2yrs	48
7	Seed collection	kg	60pd/kg	75	4500

	Total	41422
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Activity plan for the year 2017

No	Activities	Unit	Work Norm	Annual Target	Total Pd*
1	Terraces construction				
1.1	Stone faced soil bund	Km	250pd/km	3	750
1.2	Stone bund	Km	250pd/km	6	1500
2	Integrated Gully Control				
2.1	Check-dam construction	Km /M ³	1pd/0.5m ³	0.3/525	1050
2.2	Brushwood check-dam	No	3linear meters/day	300	100
2.3	Gabion check-dam	No/.M ³	1pd/0.25 m ³ ^{gabion fill}	60	240
2.4	Stone collection & transport	M3	1pd/0.5m ³	300	600
2.6	Gully re-vegetation	Ha.	500pd/ha	0.3	150
3	Moisture conservation				
3.1	Micro basin (MBs)	No	1pd/5MB	15000	600
3.2	Trench construction	No	1pd/Trench/day	3000	3000
4	Tree planation Activities				
4.1	Seedling production	No	45pd/1000seedling	15000	675
4.2	Seedling planting	No	1pd/50seedlings	15000	300
4.3	Seedling distribution	No	-	30000	-
5	Vegetative Measures				
5.1	Planting on bunds	Km	16pd/km	3	48
5.2	Direct sowing	Km	-	-	-
6	Area Closure	ha	4pd/ha/year	3ha/2yrs	15
7	Seed collection	kg	60pd/kg	22.5	1350
	Total				10378

Activity plan for the year 2018

No	Activities	Unit	Work Norm	Annual Target	Total Pd*
1	Terraces construction				
1.1	Stone faced soil bund	Km	250pd/km	7	1750
1.2	Stone bund	Km	250pd/km	14	3500
2	Integrated Gully Control				
2.1	Check-dam construction	Km /M ³	1pd/0.5m ³	0.7/1225	2450
2.2	Brushwood check-dam	No	3linear meters/day	700	233
2.3	Gabion check-dam	No/.M ³	1pd/0.25 m ³ gabion fill	140	560
2.4	Stone collection & transport	M3	1pd/0.5m ³	700	1400
2.5	Gully Cut & fill/reshaping/leveling	No/.M ³	1pd/1m ³	2000	2000
2.6	Gully re-vegetation	Ha.	500pd/ha	0.7	350
3	Moisture conservation				
3.1	Micro basin (MBs)	No	1pd/5MB	31500	6300
3.2	Trench construction	No	1pd/Trench/day	7000	7000
4	Tree planation Activities				
4.1	Multipurpose Seedling production	No	45pd/1000seedling	35000	1575
4.2	Seedling planting	No	1pd/50seedlings	31500	630
4.3	Seedling distribution	No	-	70000	-
5	Vegetative Measures				
5.1	Planting on bunds	Km	16pd/km	7	112
5.2	Direct sowing	ha	-	10.5	-
6	Area Closure	ha	4pd/ha/year	3ha/2yrs	34
7	Seed collection	kg	60pd/kg	52.5	3150
Total					31044

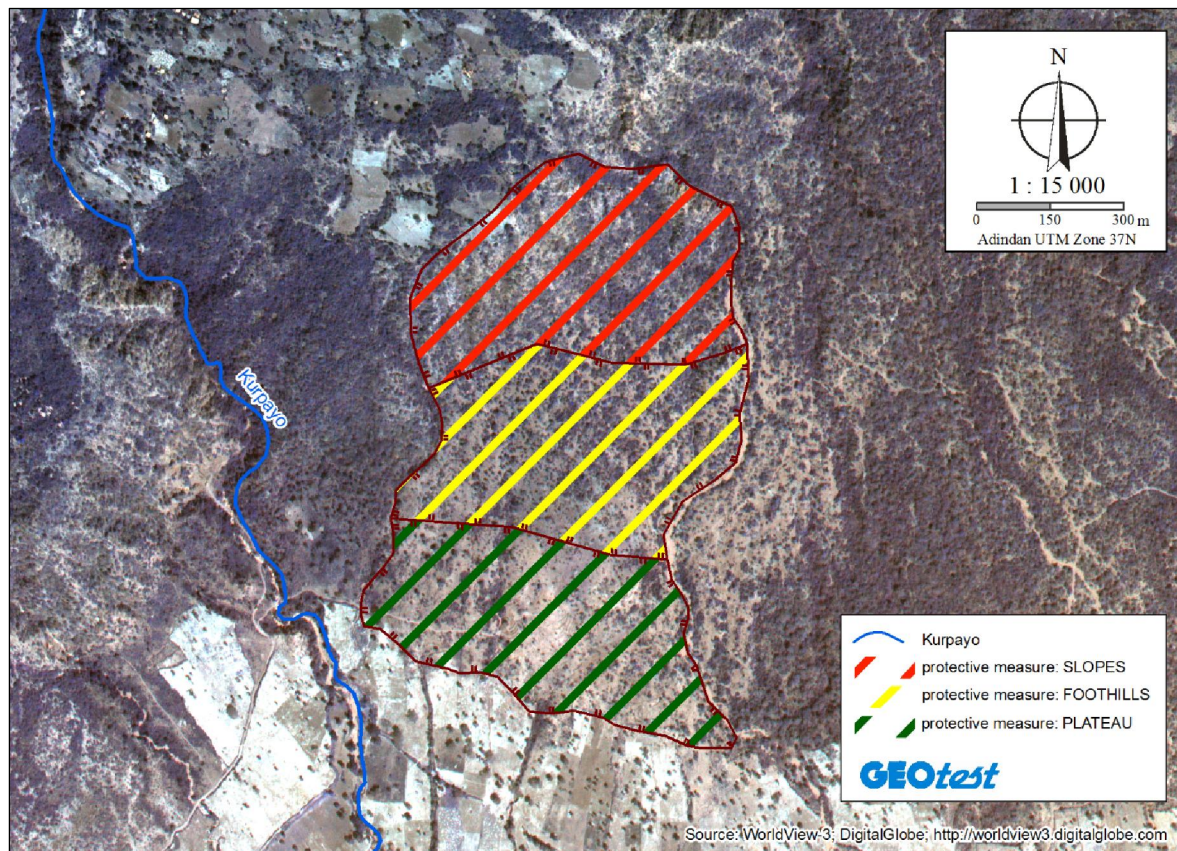
Agricultural hand tools for structural measures

	Equipment	Unit	Quantity	Remark
	Line level	No	8	
	Nylon string	bundle	4	
	Meter tape 5 m	No	20	
	Meter /50 meter	No	4	
	Clino Meter for slop measurement	No	2	
	Wooden pole graduated 2 meter	No	10	
	Digging hoe	No	50	
	Spade	No	50	
	Crowbar	No	10	
	Stone hammer	No	8	
	Pick axe	No	100	
	Axe	No	4	
	A-frame	No	20	
	Ranging pole	No	40	
	Gabion box	No	50	1mx1mx1m 1mx1mx0.5m
	Gabion box tying wire	kg	15	
	Beehives with their Accessory	No	100	

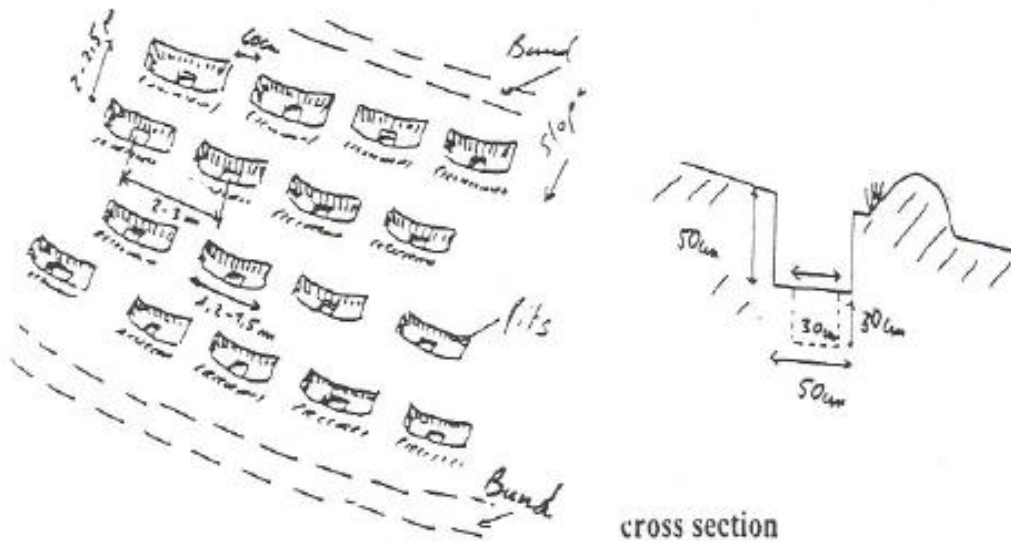
Agricultural hand tools and necessary materials for nursery activities

	Equipment and material	Unit	Quantity	Remark
	Nylon string	bundle	2	
	Meter tape 5 m	No	2	
	Meter /50 meter	No	2	

	Digging hoe	No	10	
	Spade	No	10	
	Pick axe	No	10	
	Polyetylen tube	kg	1000	
	Forest soil	M ³	32	
	Composted soil	M ³	16	
	Sand soil	M ³	8	



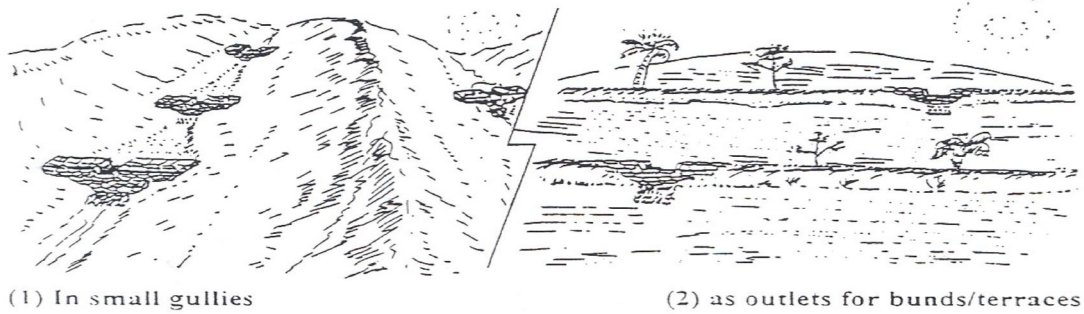
Picture 1 Map of Area subjected to be rehabilitated by anti-erosive measures and reforested during 2017 and 2018



Picture 2 Scheme of trenches with improved pits which will be used on the slopes

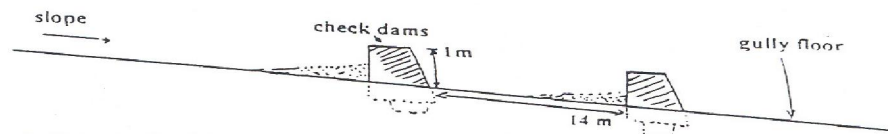
Figure 124

Checkdams



Picture 3 Scheme of checkdams which will be used in smaller gullies on the slopes

Example



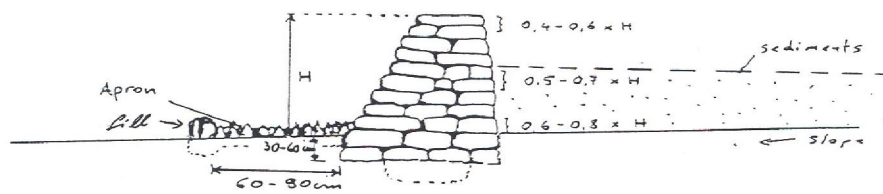
$G = \text{slope} = 12\% = 0,12$ (in decimals)

$H = 1\text{m}$

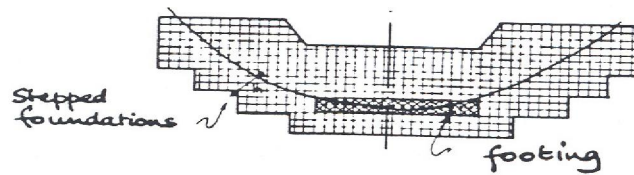
$S = 1,2 \times 1/0,12 = 14 \text{ meters}$

Figure 125

Example of well shaped stone walls



Frontal view (stepped foundations)



Picture 4 Scheme of shaped stonewalls which will be used on the foothills with perspective of creation of agricultural terraces