APPENDIX-3 Electricity Inventory

						Tizi Ouss	am		
No.		Douar				Cercle Cercle			Asni
C.R.	11		Oun	rgane		Cettice			71311
Location			101	17	W7	581	11"	Altitude	1,800 (n)
Latitude	N31		16	Longitude Size of Res			1	Access (km	
Households and		2010			oemiai Aic	a .		Pist	13.0 (km)
		Yr 2010		Fragments E-W	200	(ra)		Path	3.5 (km)
Households	72	86		N-S	150	`		Total	16 5 (km)
Population	414	537		1	150	(11)			
Public									
Facilities Scho	ols (1996)		· So	chools (20	10)	Mosq	ues		
Nmbes	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
3	3	170	3	4	206	1	400		
First A			c halls	Coope	ratives	Warch	ouses		
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmors	(m2)	ĺ	
0	0	0	0	0	0	0	0]	
Commerce & In		L	L	L	<u></u>	L	J	,	
Store		Buta	hers	I		Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
4	- 3	0	0	0	5	0	5	300	
Electric Articles	held by Vil	lagers at Pra	sent (only		electricity of	of battery, dry	-cell, & ge	enerator)	
ERCUIC AIGCIC	Lights	TV Set	Radio	Air Con.	Refrige.	Others	1		
Nmbrs	0.00	3.00	1.00	0.00	0.00	0.25	(/househo	ld)	
Utilization	#DIV/0!	5.50	6.25	#DIV/0!	#DIV/0!	2.00	(hrs/day)		
Electric Articles					<u> </u>	L			
Electric Attocks	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	1	
Nmbrs	9.75	1.00	1.00	0.00	0.25	0.00	0.25	(/househol	d)
Utilization	6.25	7.75	7.75	#DIV/0!	24.00	#DIV/0!	2.00	(hrs/day)	
Present Expens		L	J	Payable In	restment an	d Monthly E	epense for	Electrificat	ion
Trescut Expens	Monthly]			Initial	Monthly]		
	Expense			1	(DH)	(DH)			
Fuel	158.9	(DH/house	:hold)	Leader	1,000		(/househo		
Electricity	102.0	(DH/house	:hold)	Villagers	1,525	95.0	(/househo	14)	
Total	260.9	(DH/house	:hold)				-		
Annual Income		ดีฮ				penditure per		d	
Agriculture		(DH/house	:hold)		28,800	(DII/househ	old)		
Livestock	5,635	(DH/house	:hold)						
Forestry	69	(DH/house	hold)						
Others	29,050	(DHI house	ehold)		Annual Sa	ving per Hou	sehold		
Total	80,138	(DH/house	ehold)		51,338	(DH/househ	10 (d)		
<geographical< td=""><td>Conditions></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></geographical<>	Conditions>								
Location	-			-		of Surroundin		ıns at 7	
on flat land	on hill	on	slope		Fast	South	West	4	
		*	West	_	40	40	40	J	
Distance from	the Existing	22kV Powe	r Line						
10.5](km)								
Topographical	Condition of		extending	the existing	power line.				
Flat	Slope	Steep	1						
		*]						
Annual Mean	_								
700) (mm)								

No.	20	Douar	<u> </u>			ld Aiss	3		
CR.	11	 	Oui	rgane		Cercle	ī	T	Asni
Location		L					L	L	
Latitude	N31	8	43"	Longitude	W7	58'	47*	Altitude	1,740 (m)
Households and	Population	L	L	Size of Res	idential Are	`a	L	Access (km)	
	Yr 1996	Yr 2010	ì	Fragments	1			Pist	13.0 (km)
Households	44	52		E-W	250	(m)		Path	1.5 (km)
Population	180	218		N-S	200	(m)		Total	14.5 (km)
Public			•		!	<u> </u>	•	\	
Facilities								•	
	ools (1996)			chools (20		Mosq		ļ	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	Į	-
2	2	84	2	2	102	1	250	Į	
First A			halls	<u>_</u>	ratives	Wareho		Į	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Į	
0	0	0	0	0	0	0	0		
Commerce & Ir				 _	~~~~	E			
Store		Butc				Flour mills	· .		
Ninbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
	8	2	6	0	0	0	0	0	
Electric Articles							'-cell, & ge	enerator)	
<u></u>	Lights	TV Set	Radio	Air Con.	Refrige.	Others			
Nmbrs	0.00	0.17	1.00	0.00	0.00	0.00	(/househo	10)	
Utilization	#DIV/0!	5.00	6.80	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		
Electric Articles				·				ı	
ļ	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	7.83	1.17	1.17	0.00	0.50	0.00	0.00	(/household)	
Utilization	3.17	6.00	6.67	#DIV/0!	24.00	#DIV/0!		(hrs/day)	_
Present Expense		i		Payable inv			pense for	Electrification	n
1	Monthly				Initial (DH)	Monthly		-	
Fuel	Expense 137.8	(DH/house)	hold)	Leader	2,000	(DH)	//househo	tar	
Electricity		(DII/house	•	Villagers	1,125		(/househo	•	
Total		(DH/house	,	Timagers		02.3	phouseno	10)	
Annual Income			noid)		Annual Eve	penditure per	Householi	d.	-
Agriculture		(DH/house	hold)			(DH/househo		•	
Livestock		(DH/house	. ,		[]	(Dience)cin		-	
Forestry		(DII/house	-				_	•	-
Others		(DH/house			Annual Say	ring per Hous	ebold		
Total		(DII/house	•	-		(DH/househo			-
<geographical (<="" td=""><td></td><td>(D) thouse</td><td>,</td><td></td><td></td><td>(DIEHOUSEH)</td><td>,</td><td></td><td></td></geographical>		(D) thouse	,			(DIEHOUSEH)	,		
Location	Coordons				Slope (a) o	f Surrounding	Mountair	ns at	
on flat fand	on hill	on s	lone	1	East	South	West		
		•	West		40	40	40		
Distance from the	he Existing 2	2kV Power	_	j	Li			l	
	(km)								
Topographical (Rout when	extending t	he existing (power line.			÷	
Hat	Slope	Steep			-				-
Annual Mean R	ainfall	L	,						
700	(mm)								•

No.	30	Douar			~~~ · · · · · · · · · · · · · · · · · ·	Tassa Ouir	gane	/	
C.R.	11		Oul	rgane		Cercle	i		Asni
Location									
Latitude	N31	10'	66"	Longitude	W8	ľ	50°	Altitude	1,190 (m)
Households and	Population			Size of Res	idential Are	a		Access (kr	
[Yr 1996	Yr 2010		Fragments	1			Pist	6.0 (km)
Households	55	65		E-W	800	(m)		Path	0.0 (km)
Population	375	454		N-S	500	(m)		Total	6.0 (km)
Public									
Facilities								1	-
L	ools (1996)			hools (20		Mosq			
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
1	<u> </u>	40	1	·	48	1	240		
First A		Public		Coope		Wareho			
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
	0	0	0	- 0	0	0	0	1	
Commerce & Ir		n	harr			Flour mills		 1	
Store		Bute Nmbrs	mers (m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
Nmbrs	(m2)	O	0	Diezer	0	5	5	200	
2 Flectric Article				4 *		_	1 -		
Fleethe Article		TV Set	Radio	Air Con.	Refrige.	Others	-cen, ee ge	circiaco	
Nmbrs	Lights 0.00	0.71	1.14	0.00	0.00	0.00	(/househo	IA)	
Utilization	#DIV/0!	6.20	6.33	#D1V/0!	#DIV/0!	#DIV/0!	(hrs/day)	,	
Electric Article				1 1121770.	L #101 170.		(
CICCUIC ARRIE	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	8.86	1.00	1.29	0.00	0.00	0.00	0.00	(/househol	d)
Utilization	3.86	7.43	6.86	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)	,
Present Expens		L				Monthly E			ion
{	Monthly	1			Initial	Monthly	İ		
1	Expense				(DH)	(DH)			
Fuel	157.5	(DH/house	hold)	Leader	1,000	50.0	(/househo	ld)	
Electricity	130.3	(DH/house	hold)	Villagers	1,321	95.7	(/househo	ld)	
Total	287.8	(DH/house	hold)	L		·	•		
Annual Income	per Househo	ld			-	penditure per		đ	
Agriculture	33,010	(DH/house	hold)		16,014	(DH/househ	old)		
Livestock		(DH/house							
Forestry	t	(DH/house							
Others		(Dil/house				ring per Hou			-
Total		(DH/house	hold)	•	28,679	(DH/househ-	old)		
<geographical< td=""><td>Conditions></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></geographical<>	Conditions>	-							-
Location				,		f Surroundin		ns at	
on tlat land	on hill	on s	lope		East	South	West	}	
<u></u>	<u>L</u>	<u>.</u>	South	J	48	₹ 45	21	1	
Distance from t		2kV Power	Line						•
5.0](km)	0							
Topographical			extending i I	ine existing	power line.				
Flat	Slope	Steep							
L,	<u> </u>		•		-				
Annual Mean I									
690](mm)								

No.	40	Douar		····		Igrem	· ·		
C.R.	12		lm	gda!		Cercle	ī		Asni
Location	L	I		~		L	L	L	
Latitude	N31	4	37"	Longitude	W8	2	50"	Altitude	1,750 (m)
Households and		L	L		idential Are		L	Access (ks	
	Yr 1996	Yr 2010		Fragments	1	<u></u>	1	Pist	15.0 (km)
Households	27	32		E-W	500	(m)	í	Path	0.5 (km)
Population	130	157		N·S		(m)	ĺ	Total	15.5 (km)
Public	L	L	1	L	1	C	,	L	L`
Facilities									
Sch	oels (1996)		Š	hools (20	10)	Mosq	ues		•
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
2	3	190	2	4	230	i i	100		-
Eirst A	lids .	Publi	halls	Сооре	ratives	Wareh	ouses		
Nmbrs	(m2)	Nmbrs	(ຄາ2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0		
Commerce & Ir	odustries							·	-
Store	**	Bute	hers			Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/đay)	
2	10	0	0	0		0	1	150	
Electric Article							-cell, & ge	enerator)	-
	Lights	TV Set	Radio	Air Con.	Refrige.	Others			_
Nmbrs	0.00	0.00	1.33	0.00	0.00	0.00	(/househo	ld)	•
Utilization	#DIV/0!	#DIV/0!	8.33	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		
Electric Articles									
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	_	_
Nmbrs	9.50	1.00	1.33	0.00	0.17	0.00	0.00	(/househole	d)
Utilization	4.00	6.00	7.80	#DIV/0!	24.00	#D1V/0!	#DIV/0!	• • • • • • • • • • • • • • • • • • • •	
Present Expense				Payable Inv		Monthly Ex	pense for	Electrificati	on
	Monthly				Initial	Monthly			
<u></u>	Expense				(DH)	(DH)			
Fuel	170.7	(DIL/house	•	Leader	700		(/househo		
Electricity	102.0	(DIL/house	-	Villagers	1,167	80.0	(/househo	10)	
Total	272.7	(DHI house	hold)			174	17		
Annual Income						penditure per		3	
Agriculture		(DH/house	-		22,513	(DH/househo	old) -		
Livestock		(DH/house							
Forestry		(D) I/house							
Others		(D) Uhouse				ing per Hous			
Total		(DH/house	noia)		50,651	(DHI househo	HO)		
<geographical< td=""><td>Conditions></td><td></td><td></td><td></td><td>Class (=\</td><td>CC</td><td>. Ma.:=+-*</td><td></td><td></td></geographical<>	Conditions>				Class (=\	CC	. Ma.:=+-*		
Location on that land	an Lill		lana	1		f Surrounding		15 at	
OII HAL IANG	on hill	on s			East	South	West	-	
Distance from t	ha Essiarian 3	{	North		50	40	40		
Distance from t		ZKY PUWEF	LHIC						•
	(km) Candition of	Dante-La	، د مال و دو م	ka asilidi					-
Topographical (extending t	ne existing [power fine.				•
Flat	Slope	Steep							
Annual Mean R	ainfall	L	l						
	(mm)								
L	Viigity								

No.	60	Douar				Alla Oum	7ri		
C.R.	13	1	Talat N	Yacoub		Cercle	1		Asni
Location	L				L				
Latitude	N30	581	49"	Longitude	W8	9'	39*	Altitude	1,440 (m)
Households and				Size of Res	dential Area	 3		Access (ki	n)
Households are		Yr 2010		Fragments	1			Pist	1.5 (km)
Households	40	48		E-W	150	(m)	i	Path	20 (km)
Population	280	339		N-S	150		.	Total	3.5 (km)
Public	200					<u>``</u>	,		<u> </u>
Facilities		-						,	
	ools (1996)		So	hools (20	0)	Mosq	ues		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(ni2)	Nmbrs	(m2)		
0	0	0	0	0	0	1	100		
First A		Public	c halls	Сооре	ratives	Wareho	uses	i	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0		
Commerce & I		L		L	L			•	_
Stor		Butc	bers	Ι		Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
2	40	0	0	0	3	0	3	150	
Electric Article	s held by Vill					f battery, dry	-cell, & go	nerator)	
Electric Atticio	Lights	TV Set	Radio	Air Con.	Refrige.	Others	_		
Nmbrs	0.00	0.50	0.50	0.00	0.00	0.00	(/househo	13)	
Utilization	#DIV/0!	5.67	8.33	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)	-	:
Electric Article			ι.				,		
Flectife Afficie	Lights	IV Set	Radio	Air Con.	Refrige.	Heater	Others	1	
Nmbrs	7.83	1.00	1.00	0.00	0.00	0.00	0.00	(/househo	ld)
Utilization	4.17	6.33	6.50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/đay)	
Present Expens		1 (1.33	L			Monthly E			tion
Present Expens	Monthly	1		, ayacre ta	Initial	Monthly	ľ		
İ	Expense				(DH)	(DH)			
Fuel	103.9	(DHVhouse	bold)	Leader	1,300		(/househo	ld)	
Electricity	77.0	(DH/house	=	Villagers	875	84.2	(/househo	ld)	•
	180.9	(DIVhouse	-	L	L	L) ·	-	
Total Annual Income			.notay		Angual Ex-	penditure per	Househol	d	
Agriculture		na](DH/house	hold)			(DIVhouseh			-
Livestock		(DH/house				1.	-		•
Forestry		(DH/house							
Others		(DH/house			Annual Sa	ving per Hou	sehold	-	
Fotal	•	(DH/house				(DH/househ			
		1	. iouj		L	1,	-		'
<geographical< td=""><td>i Conditions.</td><td></td><td></td><td></td><td>Slope (o) o</td><td>f Surroundin</td><td>g Mountai</td><td>ns at</td><td>-</td></geographical<>	i Conditions.				Slope (o) o	f Surroundin	g Mountai	ns at	-
Location on tlat land	on hill	T 00	slope	7	East	South	West	}	
UII HAU IAHO	OK BUI	·	North	1 .	15	45	15	1	
Distance from	the Existing	DkV Powe		j	L	L		3	
		LINT CONC							-
Topographical	(km) Condition of	Qout a bes	extending	the existing	nower line.				
		Steep]	are e anemg	F	•			
Flat	Slope	*	-				•		
L	Painfall	1	J						
Annual Mean									
60	(mm)								

No.	70	Douar				Id Ssic			·
C.R.	14	 	lio	ukak		Cercle	Ţ	T	Asoi
Location		L		- 17 - 7 - 4 - 4 - 4 -		L	L	L 	
Latitude	N31	1'	19"	Longitude	W8	5'	33*	Altitude	1,650 (m)
Households and		L	L	4	idential Are		L	Access (km)	
	Yr 1996	Yr 2010		Fragments	1	, 	1	Pist	0.0 (km)
Households	66	78		E-W	500	(m)	1	Path	6.0 (km)
Population	500	605		N-S	300		1	Total	6.0 (km)
Public		L	ı		I	L-:		L	
Facilities									
Scho	oels (1996)		Se	chools (20	10)	Mosq	nes.		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)]	-
ı	3	140	1	3	170	1	100]	
First A	ids	Public	c halls	Coope	ratives	Wareho	ouses		-
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	O		
Commerce & In	dustries								
Store		Butc	hers	<u> </u>		Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
3	60	0	0	1 .	0	0	<u> </u>	100	=
Electric Articles							-cell, & ge	enerator)	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	· ·		
Nmbrs	0.00	0.38	1.25	0.00	0.00	0.00	(/househo	ld)	-
Utilization	#DIV/0!	5.33	6.63	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/đay)		
Electric Articles			Future					_	
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		‡
Nmbrs	10.75	1.00	1.38	0.00	0.25	0.00	0.13	(/household)	
Utilization	5.38	6.63	6.50	#DIV/0!	24.00	#DIV/0!	<u> </u>	(hrs/day)	-
Present Expense				Payable Inv			pense for	Electrification	n
	Monthly				Initial	Monthly	l	•	-
<u></u>	Expense			ļ	(DH)	(DH)			
Fuel	1402	(DII/house		Leader	1,500		(/househo	•	-
Electricity	83.1	(DIThouse	-	Villagers	938	73.1	(/househo	id)	
Total	223.3	(DH/house	hold)						-
Annual Income				ı		oenditure per		đ	-
Agriculture		(DH/house	•		20,625	(DH/housels	oid)		
Livestock		(DH/house	-						:
l'orestry		(DH/house							
Others		(DH/house				ing per Hous			
Total		(DH/house	noto)		2,608	(DH/househ	ाव)		-
<geographical< td=""><td>Conditions></td><td></td><td></td><td></td><td>01 4 5</td><td>(o e</td><td></td><td></td><td></td></geographical<>	Conditions>				01 4 5	(o e			
Location	9.767		·	1		f Surroundin		ns at	-
on flat land	on hill	on s			East	South	West		
District C	La Fall de la	137.5	South	j .	37	28	18	j .	
Distance from t		ZKV POWEF	Line						
<u> </u>	(km)	D 4 5 -		.t		-			
Topographical Control			extending t I	me existing [power ime.			-	
Flat	Slope	Steep *							•
Applied No.	o o fall	L							
Annual Mean R									
500	(nm)								

No.	RA	Douar				Aghell	a	, ,, 	
C.R.	15		[9	hil		Cercle	i		Asni
Location	10				لـــــــــــــــــــــــــــــــــــــ			L	
Latitude	N31	0'	15*	Longitude	W8	22.	51°	Altitude	2,050](m)
Households and		L			idential Are			Access (km)	
110030310103 6110	Yr 1996	Yr 2010		Fragments	i			Pist	10.0[(km)
Households	64	76		E-W	600	(m)		Path	15.5 (km)
Population	394	477		N-S	250			Total	25.5 (km)
Public					L	<u> </u>		L	
Facilities	-								
	ools (1996)		So	chools (20	10)	Mosq	ues		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
ī	2	100	1	2	120	1	100	•	
First A	Aids	Public	halls	Coope	ratives	Wareho	Sesur		
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	•	
0	0	0	0	0	0	0	0		
Commerce & It	ndustries	L		<u> </u>			<u></u>	•	
Stor		Bute	hers	<u> </u>		Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
2	40	0	0	0	0	0	0	0	
Electric Article	s held by Vill	agers at Pro	sent (only	operated by	electricity o	f battery, dry	-cell, & go	enerator)	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others)		
Nmors	0.00	0.50	1.25	0.00	0.00	0.00	(/househo	1d)	
Utilization	#DIV/0!	4.75	7.71	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		
Electric Article	s desired by	Villagers in	Future		<u> </u>				
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	9.25	1.00	1.38	0.00	0.63	0.00	0.00	(/household))
Utilization	3.38	4.88	6.63	#DIV/0!	24.00	#DIV/0!		(hrs/day)	
Present Expens	e for Energy	L		Payable Inv	restment and	i Monthly Ex	pense for	Electrificatio	n
	Monthly	1			Initial	Monthly			
	Expense				(DH)	(DH)			
Fuel	120.7	(DH/house	hol d)	l eader	1,500		(/househo	•	
Electricity	88.4	(DH/house	hold)	Villagers	1,188	74.4	(/househo	ld) -	
Total	209.1	(DH//house	ho id)						
Annual Income						penditure per		đ	
Agriculture		(DH house	hold)		13,200	(DH/househo	old)		
Livestock		(DH/house							
Forestry		(DH/house							
Others		(DH/house				ing per Hou		-	
Total	30,230	(DH/house	hold) -		17,030	(DH/househ	old)		
<geographical< td=""><td>Conditions></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></geographical<>	Conditions>	•							
Location			·	_		f Surroundin		ns at	
on flat land	on hill	on s	lope		East	South	West		
			South	· .	10	18	15		
Distance from		2kV Power	Line					-	
20.0	(km)								
Topographical		Rout when	extending	the existing	power line.				
Flat	Slope	Steep							
	T	•]				•		
Annual Mean I	Rainfall		-						
600	(mm)								•
	-								

No.	90	Douar	- 	.— 		Ikiss			
C.R.	16		Λį	hbu	··	Cercle	1	T	Asni
Location	<u> </u>	L			**	L — ,	ł		
Latitude	N30	55'	55'	Longitude	W8	23	54"	Altitude	1,700 (m)
Households and	Population	L.,	L	I	idential Are	 a	1	Access (kn	
	Yr 1996	Yr 2010		Fragments	T i	I)	[Pist]	16.5 (km)
Households	68	31		E-W	1,000	(m)	i	Path	4.0 (km)
Population	389	471		N·S	I	(m)		Total	20.5 (km)
Public	L	ł	•	L	<u> </u>	Ľ <u></u>	,	L	
Facilities									
Scho	ools (1996)		S	chools (20	10)	Mosq	ues	1	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	j	
1	I	60	1	1	72	1	30	1	•
First A	Aids	Poblic	c halls	Соорг	ratives	Wareh	ouses		
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	}	
0	0	0	0	0	0	0	ő	1	
Commerce & Ir	ndustries		·			· · · · · · · · · · · · · · · · · · ·	·	•	
Store	es	Bute	hers	<u> </u>		Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
1	20	Ö	0	0	0	0	0	0	-
Electric Articles	s held by Vil	agers at Pre	sent (only	operated by	electricity of	f battery, dry	-cell, & ge	enerator)	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	1		
Nmbrs	0.00	0.50	1.00	0.00	0.00	0.00	(/househo	ld)	
Utilization	#DIV/0!	5.50	9.00	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		
Electric Articles	s desired by \	/illagers in	Future	<u> </u>		L			-
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	7.88	1.00	1.00	0.00	0.13	0.00	0.00	(/household	i)
Utilization	3.63	6.13	10.00	#D1V/0!	24.00	#DIY/0!	#DIV/0!	(hrs/day)	
Present Expense	for Energy			Payable Inv	estment and	Monthly Ex	pense for	Electrificati	on
	Monthly				Initial	Monthly			
	Expense				(DH)	(DH)			
Fuel	162.8	(DHVhouse	hold)	Leader	2,000	100.0	(/househo	ld) ·	-
Electricity	101.5	(DH/house	hold)	Villagers	1,313	53.1	(/househo	ld)	
Total	264.3	(DH/house)	hold)				•		
Annual Income	per Househo	ld			Annual Exp	enditure per	Household	j	
Agriculture	8,691	(DH/house	hold)	1	17,025	(DHL'househo	16)	+ 1	() 2
Livestock		(DH/house		•				•	
Forestry	0	(DH4house)	hold)						
Others		(DH/house		•	Annual Sav	ing per Hous	ehold		
Total	21,489	(DH/house	hold)	-	4,464	(DHI/househo	old)		
<geographical (<="" td=""><td>Conditions></td><td></td><td></td><td>•</td><td>L</td><td></td><td></td><td>:</td><td></td></geographical>	Conditions>			•	L			:	
Location					Slope (o) of	f Surrounding	g Mountair	is at	
on flat land	on hill	on s			East	South	West		
		*	West		40	17	40		
Distance from the	_	2kV Power	l ine						•
20.0									
Topographical (Condition of i	Rout when e	extending t	he existing p	power line.				
Flat	Slope	Steep	-						-
		*						-	
Annual Mean R								-	
600	(met)								

No.	150	Doubr			<u></u>	lkiss					
C.R.	17		A	sni		Cercle	1		Asni		
Location				· ·	l			·			
Latitude	N31	101	51	Longitude	W7	53'	28"	Altitude	1,850) (m)	
Households and				Size of Res	l		L	Access (km			
		Yr 2010		Fragments	11			Pist		(km)	
Households	65	77		E-W	250	(m)		Path		(km)	
	500	605	 	N-S	250			Total		(km)	
Population	500	003		14-3		()					
Public Facilities											
	ools (1996)		So	hools (201	(0)	Mosq	ues				
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)				
2	4	70	2	4	84	1	300	ĺ			
First A			halls	Coope		Wareho	uses	İ	•		
		Nmbrs	(n ₁ 2)	Nmbrs	(m2)	Nmbrs	(m2)	1			
Nmbrs	(m2)	0	0	0	0.127	0	0				
0	0					L	I	,			
Commerce & Ir		D. 4	hace	1		Flour mills					
Stor		L	hers	Diesel		Animal	Total	(kg/day)			
Nmbrs	(m2)	Nmbrs	(m2)		Hyd.	O		144			
6	8	2	6	0	1 -		(-Call & 17)	1			
Electric Article					electricity of	Others	1 ((1), (C E	circrasory			
	Lights	TV Set	Radio	Air Con.	Refrige.	<u>L</u>	(/househo	.145			
Nmbrs	0.00	0.50	1.13	0.00	0.00	0.00	J.	nu)			
Utilization	#DIV/0!	5.50	7.50	#DIV/0!	#DIV/0!	#D1V/0!	(hrs/day)				٠.
Electric Article					r		L 03	,			
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		t.		
Nmbrs	6.88	1.00	1.13	0.00	0.13	0.00	0.00	(/househole	3)		
Utilization	4.75	7.00	7.88	#DIV/0!	24.00	#DIV/0!		(hrs/day)			
Present Expens	e for Energy			Payable In		d Monthly E:	xpense for	Hiscinican	en		
	Monthly	1	-		Initial	Monthly					
	Expense				(DH)	(DH)					
Fuel	137.6	(DH/house	hold)	Leader	1,500		(/hovseho				
Electricity	116.9	(DH/house	hold)	Villagers	1,000	81.3	(/househo	old)			
Total	254.4	(DH/house	:hold)								
Annual Income	per Househo	ld ·				penditure per		Ø			
Agriculture		(DH/house			12,128	(DH/househ	old)	-			
Livestock		(DHI/house									
Forestry	0	(DH/house	:hold)				1				
Others		(DH/house				ying per Hou					
Total	20,385	(DH/house	:hold)		8,257	(DH/househ	old)	-			
<geographical< td=""><td>Conditions></td><td>•</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></geographical<>	Conditions>	•				-					
Location	-		-		Slope (o) o	f Surroundin		ins at			
on flat land	on hill	on:	lope	1	Fast	South	West	1 .			
\	<u> </u>	,	South	1 .	36	35	23	J			
Distance from	the Existing 2	2kV Powe	Line	. 							
8.8](km)										
Topographical	Condition of	Rout when	extending	the existing	power line.		-				
Flat	Slope	Steep) `	_							
	† 	 ;'	1								
Annual Mean	Rainfall		J								
)[(mm)										
	3,,										

No.	11/	Douar				·····				
C.R.	17	4	L	Asni		Arg				
Location	1 /	<u> </u>		45(1)	·	Cercle	<u> </u> '		Asni	
Latitude	N31	11	15	Longitude	W7	r	100	race and		ı ,
Households and		1	<u> </u>		sidential Are	55	I19"	Altitude	1,580	(m)
Tiouscholds and	Yr 1996	Yr 2010	1			:a 1	1	Access (km)		
Households	75	89	{	Fragments E-W	I .	(m)	1	Pist		(km)
Population	1,020	1,234	 	N-S				Path		(km)
Public	1,020	1,234	i	14-2	1,000	<u>(m)</u>	J	Total	10.5	(km)
Facilities										
Scho	ools (1996)		<u> </u>	chools (20	10)	Mosq	mec .	l		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)			
1	2	92	1	2	112	1411013	400			
First A		I	c halis	4	ratives	Wareh		-		
Nmbrs	(m2)	Nmbrs	(n:2)	Nmbrs	(012)	Nmbrs	(m2)			
0	0	0	0	0	0	0	0			
Commerce & In		L	L	1		L	L			
Store		Rote	hers			Flour mills				
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	0.77		
	20	0	0	0	2	Animai	2	(kg/day) 224		
Electric Articles		-								
[T	Lights	TV Set	Radio	Air Con.	Refrige.	Others	-cen, ac ge	neratory		
Nmbrs	0.00	0.67	1.22	0.00	0.00	0.33	(/househol	Las.		
Utilization	#DIV/0!	5.67	7.00	#DIV/0!	#DIV/0!	5.00	`	ω)		:
Electric Articles			-	Tanialo;	#1014/0:	3.00	(hrs/day)	=		
I I I I I I I I I I I I I I I I I I I	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	0.1			•
Nmbrs	8.56	1.00	1.67	0.00	0.33	0.00	Others	//L L -3 -3		
Utilization	5.22	7.22	7.89	#DIV/0!	24.00	#DIV/0!		(/household)	•	
Present Expense								(hrs/đay) Electrification		• •
T	Monthly			ayadic ili	Initial	Monthly Ex	pense for t	circumsation		
1 [Expense				(DH)	(DH)		•		
fuel	134.7	(DH/house)	bold)	Leader	1,500		(/househol	ልነ ተ		
Electricity	92.1	(DH/house)		Villagers	1,056		(/househol	,		
Total	226.8	(DIT house)	-		1,030	77.2	Anonzenoi	u)		
Annual Income					Annual Fun	enditure per	Housekold	!		
Agriculture		(DH/house)	hold)			(DH/househo		:		
Livestock		(DH/house)		}	1,,100	~~« # 110003CBQ	,			
Forestry		(DH/house)							-	
Others		(DH/house)	-		Annual Sav	ing per Hous	ehold :		-	
Total		(Dl1/housel		1		(DHVhouseho				
<geographical c<="" td=""><td></td><td></td><td>,</td><td>i</td><td>,- :2</td><td>(I w 1/2 wor II)</td><td>,</td><td></td><td></td><td></td></geographical>			,	i	,- :2	(I w 1/2 wor II)	,			
Location		-			Slope (n) of	Surrounding	Mountain	s af		
on flat land	on hill	on s!	ope	1	Fast	South	West	<i>-</i> t		
		•	West		20	30	42			
Distance from th	e Existing 2	kV Power		Į.						
5.0								-		
Topographical C		Rout when a	xtending th	he existing r	ower line					
Flat	Slope	Steep	6 -			-				•
 		•								
Annual Mean Ra	infall	J								
600)(
·	•									

No.	120	Douar				Tinerhouh	rine		-
C.R.	17		A	sni		Cerele	1		Asni
Location	<u></u>								
Latitude	N31	9'	30"	Longitude	W7	51'	15*	Altitude	2,000 (m)
Households an	d Population			Size of Res	idential Are	a		Access (km)	
	Yr 1996	Yr 2010		Fragments	j			Pist	10.0 (km)
Households	30	36		E-W	150	·		Path	3.5 (km)
Population	250	302		N-S	150	(m)		Total	13.5 (km)
Public		L		L.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Facilities -								1 .	
Set	icols (1996)			hools (20		Mosq			
Nmbrs	Classes	(nı2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	l	
1	1	70	1	2	84	1	200		
First.		Ļ,	halls	Coope		Wareho		1	_
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	ł	
0	0	0	0	0	0	0	0	J	
Commerce & l	industries			···		F1			
Sto	res .		ners	<u></u>		Flour mills	(La des	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd	Animal	Total	(kg/day)	
3	8	1	6	0	2	0	2	320	•
Electric Article	es held by Vili				electricity (of battery, dry	/-दराा, रहे हु। 1	enerator)	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others		1.0	
Nmbrs	0.00	0.75	1.50	0.00	0.00	0.00	(/househo	xa)	
Utilization	#D1V/0!	4.67	7.50	#DIV/0!	#D1V/0!	#D1V/0!	(hrs/day)		
Electric Article	es desired by		Future			يورس			
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	ļ., .,,	
Nmbrs	10.00	1.00	1.50	0.60	0.00	0.00	0.00	(/household	,
Utilization	3.75	6.00	7.75	#DIV/0!	#DIV/0!	#DIV/0!		(hrs/day)	
Present Expen	se for Energy		•	Payable In		d Monthly E	opense for	Electrification	วก
	Monthly]		1	Initial	Monthly	!		
	Expense	_			(DH)	(DH)		.1.1	
Fuel	135.4	(DH/house	-	Leader	1,500		(/househo		
Electricity	137.8	(DH/house		Villagers	1,250	128.8	(/househo	ној	
Total	273.2](DH/house	chold)						
Annual Incom			•			penditure per		id	
Agriculture		[](DH/house			18,170	(D) Uhouseh	O(U)		
Livestock		[](DH/house							
Forestry		(DH/house				* 11	الداما		
Others		(DH/house				ving per Hou			=
Total		(DH/house	ehold)		4,866	(DH/houset	io:a)		
<geographica< td=""><td>d Conditions></td><td>•</td><td></td><td></td><td></td><td>cc 1'-</td><td>- 3 farmta</td><td>! at</td><td></td></geographica<>	d Conditions>	•				cc 1'-	- 3 f armta	! at	
Location		·	 _	, -1		of Surroundin	West	1115 at	
on flat land	on hill	on	slope	_j	East	South		-	
	_l	*	West	}	10	30	42	_	
Distance from		22kV Powe	r Line						
10.	.[](km)		_		••				
Topographica	I Condition of		extending	the existing	power line.	•			
Flat	Slope	Steep	1					•	
		*	j					-	
Annual Mean									
60	ທີ່ (ກະຄາ)								

No.	131	Douar	I			El Bot	H		
C.R.	17		A	\sn!		Cercle	1	Γ	Asni
Location	L	L						<u> </u>	
Latitude	N31	12'	281	Longitude	W7	56	26*	Altitude	1,400 (m)
Households and		I	L		idential Are	a	<u> </u>	Access (kn	
	Yr 1996	Yr 2010	ł	Fragments	ı i		1	Pist	3.0 (km)
Households	65	77		E·W	300	(m)	i	Path	0.0 (km)
Population	510	617	ĺ	N-S	1	(m)	1	Total	3.0 (km)
Public		1	,	L	J		1	C	
Facilities									
Scho	ools (1996)		S	chools (20	10)	Mosq	ues	1	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(012)	Nmbrs	(m2)		
2	4	120	2	4	146	0	0	1	
First A	ids	Public	halls	Coope	ratives	Wareho	ouses	ĺ	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	ĺ	
0	0	0	0	0	0	0	0	ĺ	
Commerce & In	dustries	L		L.,,	h			ı	•
Store		Buto	hers	Γ]	Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
1	10	0	0	0		0	1	150	•
Electric Articles	held by Vill	agers at Pre	sent (only	operated by	electricity o	f battery, dry	-cell, & ge		
1	Lights	TV Set	Radio	Air Con.	Refrige.	Others) . J	· .	
Nmbrs	0.00	1.00	0.63	0.00	0.00	0.00	(/househo	ld)	
Utilization	#DIV/0!	5.86	8.20	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)	,	
Electric Articles	desired by \	/illagers in	Future	L					-
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	1	
Nmbrs	7.38	1.00	1.00	0.00	0.00	0.00	0.00	(/household	n
Utilization	4.00	6.63	7.38	#DIY/0!	#DiV/0!	#DIV/0!		(hrs/day)	
Present Expense						I Monthly Ex			on
, , , , , , , , , , , , , , , , , , ,	Monthly				Initial	Monthly			
	Expense				(DH)	(DH)			
Fuel	116.1	(DHI house	hold)	Leader	2,000		(/househo	ldı	
Electricity	93.9	(DH/house	- 1	Villagers	1,313		(/househo	-	=
Total	210.0	(DHI/house	- 1				•		-
Annual Income		-	•		Annual Ext	enditure per	Household	i	
Agriculture		(DH/house	hold)	. 1		(DH/househo			-
Livestock		(DH/house		•					
Forestry		(DH/house				•			
Others		(DHThouse			Annual Sav	ing per Hous	ehold		
Total	-	(DH/house		1		(DH/househo			
<geographical g<="" td=""><td></td><td>1</td><td> •</td><td>į</td><td></td><td></td><td>-,</td><td></td><td></td></geographical>		1	•	į			-,		
Location					Slope (o) of	f Surrounding	Mountair	ns at	
on flat land	on hill	on s	ope	- 1	East	South	West		
		*	North		15	29	10	-	•
Distance from the	ne Existing 2	2kV Power		, ,	I	لستنسا			
	(km)								
Topographical (Rout when	extending (he existing r	ower line.				
Flat	Slope	Steep							
		*							•
Annual Mean R	ainfall	L i						÷	٠
	(mns)								
	,								

No.	130	Douar				Imska	<u>'</u>	,	
C.R.	17		Ā	sni		Cercle	1		Asni
Location								L	
Latitude	N31	12	37*	Longitude	W7	56'	20°	Altitude	1,380 (m)
Households and					dential Are		L	Access (km)	
	Yr 1996	Yr 2010		Fragments	1			Pist	3.0 (km)
Households	4C	48		E-W	200	(m)	1	Path	1.0 (km)
Population Population	280	339		N-S	150			Total	4.0 (km)
Public			ļ	L	Ll	·····	'	L	
Facilities								_	
Sch	ools (1996)		Sc	chools (20)	10)	Mosq	ues		
Nmbes	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		-
I	ı	20	1	1	24	1	100		
First A	\ids	Public	c halls	Coope	ratives	Wareho	ouses		
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	. 0	0		
Commerce & In	ndustries								
Stor	ès	Bute	hers			Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
0	0	0	0	0	1	0	<u> </u>	80	
Electric Article							-cell, & ge	enerator)	
	Lights	TV Set	Rađio	Air Con.	Refrige.	Others	ļ		
Nrnbrs	0.00	0.60	1.00	0.00	0.00	0.00	(/househo	ld)	
Utilization	#DIV/0!	5.67	5.80	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)	-	
Electric Article					· · · · · · · · · · · · · · · · · · ·			1	
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	<u> </u>	
Nmbrs	7.40	1.00	1.00	0.00	0.00	0.00	0.00	(/household)	
Utilization	3.60	6.40	6.00	#DIV/0!	#DIV/0!	#DIV/0!		(hrs/day)	
Present Expens				Payable Inv			rpense for	Electrification	n
	Monthly	ĺ		1 .	Initial	Monthly			
<u></u>	Expense		<i>:</i>		(DH)	(DH)] //	14)	
Fuel	82.1	(D)L/house	•	Leader	1,000		(/househo	-	
Electricity	77.4	(DH house	•	Villagers	1,300	65.0	(/househe	10)	•
Total	159.5	(DH/house	nold)		Annual C	a a a ditura a	. Uancahat	.4	
Annual Income			S -1.5			penditure per (DH/househ			-
Agriculture		(DH/house			17,080	Krimanzeu	oiu)		
Livestock		(DH/house	-				٠.		
Forestry		(DH/house			Appeal Co.	ving per Hou	sekald	-	
Others		(DH/house				(DH/househ			
Total		(DH/house	enola)	-	33,399	Crismonseu	oio)		
<geographical< td=""><td>Conditions></td><td>-</td><td></td><td></td><td>Stane (a) a</td><td>f Surroundin</td><td>o Mountai</td><td>ns at</td><td></td></geographical<>	Conditions>	-			Stane (a) a	f Surroundin	o Mountai	ns at	
Location	1 6:0	T	lona	1 .	East	South	West	1	
on flat land	on hill	on s	lope	- 1	15	23	10	1	
L	<u> </u>	21.37 0 200	South	J		L	1	j	-
Distance from		ZKY TOWE	LINE						
Topographical	(km) Consistance	Dout when	extending	tha exiction	nau ec line				
			e tienomg 1	inc existing	ponei mic.				
Flat	Slope	Steep	1						
Annual Mean I	Pais fall	<u> </u>	J				•		
	_								
600	(mm)								

No.	150	Douar	<u> </u>			Ikiss			
C.R.	17		· /	\sni		Cercle	Ţ i	r	Asni .
Location	. 					L	J	L	
Latitude	. N31	10'	5'	Longitude	W7	53	28'	Altitude	1,850 (m)
Households and	d Population	L ,	L		sidential Are		I	Access (km)	1,450 (1.17)
	Yr 1996	Yr 2010		Fragments	1	T	Ì	Pist	10.0 (km)
Households	65	77		E-W	250	(m)	1	Path	5.0 (km)
Population	560	605		N-S		(m)	1	Total .	15.0 (km)
Public	L		,	<u> </u>	J	<u> </u>	J		- respective
Facilities									
	oo!s (1996)		S	chools (20	10)	Moso	ues		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		-
2	4	70	2	. 4	84	l	300		
First A		ļ	c halls	Coope	eratives	Wareh	ouses		
Nmbrs	(m2)	Nmbrs	(m5)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0		
Commerce & In				,					
Stor		Butc				Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
6	8	2	6	0	1	0	1	144	
Electric Articles							-cell, & ge	nerator)	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others			
Nmbrs	0.00	0.50	1.13	0.00	0.00	0.00	(/househol	(ব)	
Utilization	#DIV/0!	5.50	7.50	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		
Electric Articles									
,,,,,	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	6 88	00.1	1.13	0.00	0.13	0.00		(/household)	•
Utilization	4.75	7.00	7.88	#DIV/0!	24.00	#DIV/0!	#DIV/0!		-
Present Expense		ļ		Payable Inv			pense for I	lectrification	
	Monthly				Initial	Monthly		•	
Fuel	Expense	4DX1/1	. 1 11		(DH)	(DH)			
Electricity		(DH/house)	•	Leader	1,500		(/househo!	•	
Total		(DH/house!		Villagers	1,000	81.3	(/househol	d)	
Annual Income		(DH/house)	wid)		410				٠.
Agriculture	<u> </u>	ia (DH/houset	vald)			coditure per			
Livestock		(DH/house)		į	12,128	(DH/househo	old)		÷ :
Forestry		(DIT/house)							-
Others	~~	(DH/house)	•		Annual C	ina ma-11	ak al d		
Total		(DHI/house)				ing per Hous (DU/bousebo			•
<geographical (<="" td=""><td></td><td>COLDINGUSEI</td><td>uj</td><td>1</td><td>0,43/</td><td>(DHVhouseho</td><td>иd)</td><td></td><td></td></geographical>		COLDINGUSEI	uj	1	0,43/	(DHVhouseho	иd)		
Location	CONTROLL			_	Stone (a) at	Curesnadi-a	. Manata!-	^ mt	
on flat land	on hill	on s!	one	· ·	East	South South) di	
21.70.70.70		+ 1	South		36	35	West 23		•
Distance from th	ne Existing 2:	2kV Power I		ı I			23		_
	(km)					•			
Topographical (Rout when e	xtendino ti	he existino r	muer line				
Flat	Slope	Steep			COLUMN .	-			
-		*					-		
Annual Mean R	ainfall								_
	(നമ്പ)								
······································	• •								

		0	·			Techali	15-4		 7
No.		Douar	L			Tachede		·····	A no!
C.R.	17	L	. <u>A</u>	sni		Cercle		L	Asni
Location								r	
Latitude	- N31	9.	30"	Longitude	W7	50'	48*	Altitude	2,180 (m)
Households and	Population			Size of Res	idential Are	a		Access (kn	·
	Yr 1996	Yr 2010		Fragments	1			Pist	10.0 (km)
Households	60	71		Ē-W	250			Path	2.0 (km)
Population	360	436		N-S	250	(m)		Total	12.0 (km)
Public			•				- '		
Facilities									
Scho	ools (1996)		Sc	hools (20	10)	Mosq	ues	l	
Nmbrs	Classes	(sn2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
2	2	80	2	2	96	1	200		
First A	L	Public	halls	Сооре	ratives	Wareho	ouses		
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmors	(m2)		
0	0	0	0	0	ō	0	0]	
Commerce & In		·	L	L				•	
Store		Bete	hers .	Ι		Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
6	8	I I I	6	0		0	1	140	
Electric Articles			_		electricity o	1 1	cell & o	1 1	
Elecule Afficies		1V Set	Radio	Air Con.	Refrige.	Others	, ee gi	y	
Nan Yan	Lights	0.63	1.00	0.00	0.00	0.00	(/househo	ld)	
Nmbrs	0.00	5.20	7.43	#DIV/0!	#DIV/0!		(hrs/day)	,	
Utilization	#DIV/0!			TADIA10;	*D14/U!	#DIVIU!	(usvoay)		
Electric Articles				l Alexandra	6.4:	Hoster	Orbana	· ·	
<u> </u>	Lights	TV Set	Radio	Air Coa.	Refrige.	l leater	Others	(/hous-1-1	.n
Nmbrs	8.63	1.00	1.25	0.00	0 25	0.00	0.00	(/householi (br:/dow)	
Utilization	4.63	7.38	7.50	#DIV/0!	24.00	#DIV/0!		(hrs/day) Electrificati	
Present Expense		. · ·	•	Payable Inv		Monthly Ex	ipense för	riectrificati	ЮП —
	Monthly	Į.			Initial	Monthly			
<u> l</u>	Expense		1 -1 4	ا ا	(DH)	(DH)	(A	Lds	
Fuel	169.6	(DH/house	-	Leader	1,500		(/househo		
Electricity	119.5	(DH/house		Villagers	1,250	80.08	(/househo	10)	
Total	289.1	(DH/house	hold)			a=.			
Annual Income		_		-		oenditure pet		j .	
Agriculture		(DH/house)		l	13,650	(DH/househo	Md)		
Livestock	L	(DH/house)		·		•			
Forestry		(DH/house)				-			
Others		(DH/house	,			ing per Hous			•
Total	26,151	(DH/house	hold) 🗀	·	12,501	(DH/househo	ોવી)		_
<geographical< td=""><td>Conditions></td><td>•</td><td></td><td>. (</td><td></td><td></td><td></td><td></td><td></td></geographical<>	Conditions>	•		. (
Location			_		Slope (o) o	f Surrounding		as at	
on tlat land	on hill	on s	lope .] .	East	South	West		
		•	South		10	30	10		
Distance from t	he Existing 2	2kV Power	Line						-
	(km)								
Topographical	r Condition of	Rost when	extending t	the existing r	power line.				
Flat	Siope	Steep]	٥,			:		
		1							
Annual Mean R	Ltainfall		I						
	(mm)								
L	ł								

No.	180	Douar	r			Sqou	 ſ		
C.R.	21		0	urika		Cercle	2	T	ahanaout
Location	L			 			J	I	
Latitude	N31	20	39'	Longitude	W7	43	32"	Altitude	1,200 (m)
Households and	1 Population	J	L		sidential Are	:a	<u></u>	Access (km	
	Yr 1996	Ýr 2010	i	Fragments	1	<u> </u>	1	Pist	0.0 (km)
Households	45	53	İ	E-W	120	(m)	1	Path	5.0 (km)
Population	360	436		N-S	300	(m)	1	Total	5.0 (km)
Public				L.	h	<u></u>	,	Ŀ	
Facilities							•	_	
Scho	ools (1996)		St	chools (20	10)	Mosq	ues]	
Nmbrs	Classes	(m2)	Nmors	Classes	(m2)	Nmbrs	(m2)]	
1	2	70	Ī	2	84]	500		-
First A	ids	Public	e halls	Coope	ratives	Wareh	ouses		
Nmbrs	(m2)	Nmbrs	(ni2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0		
Commerce & In		·							
Store		Bete				Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
2	20	0	0	0	0	0	0	0	
Electric Articles	held by Vill						-cell, & ge	nerator)	•
	Lights	TV Set	Radio	Air Con.	Refrige.	Others			
Nmbrs	0.00	0.78	0.89	0.00	0.00	0.11	(/househo	ld)	
Utilization	#DIV/0!	4.86	6.75	#D1V/0!	#D1V/0!	4.00	(hrs/day)		
Electric Articles			Future				-		
	Lights	1V Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	7.89	1.33	1.22	0.00	0.89	0.00	0.00	(/household)	
Utilization	5.11	7.11	7.67	#DIV/0!	24.00	#DIV/0!	4.00	(hrs/day)	
Present Expense				Payable inv		Monthly Ex	pense for l	Electrificatio	n ·
	Monthly				Initial	Monthly			
	Expense				(DH)	(DH)			
Fuel	100.8	(DH/house)		Leader	1,000		(/househol		
Electricity	88.3	(DH/house)		Villagers	1,222	95.6	(/househol	d)	: .
Total	189.1	(DI Vhouse)	hold)			•		·	
Annual Income	·					enditure per		ī	
Agriculture		(DH/housel	-	• •	13,529	(DH4househo	ild)		
Livestock		(DH/house)	•				-		-
Forestry		(DH/house)							
Others		(DH/house)	•			ing per Hous			-
Total		(DH/house)	nold)	Į	12,085	(DH/househo	ıld)		
<pre><geographical (<="" pre=""></geographical></pre>	_onditions>			_	C1				-
Location	1 1 7 1	· · · · · · · · · · · · · · · · · · ·		•		Surrounding	_	is at	•
on ifat land	on hill	on s			East	South	West		
Distance Co. 1	Control of	1	West		22	18	13		
Distance from th	_	KV POWER	F.IBC						
4.5		Dane - L		ha and at					
Topographical C			xiending ti	ne existing p	ower line.				
Flat	Slope	Steep					:		
Annual Mean R:									
			-						
500	(mill)								

No.	190	Douar	·			Amagdo	u r			
C.R.	21	i	Qu	rika	T	Cercle	2		Tahanaou	ıţ
Location		L			A					
Latitude	N31	20'	58"	Longitude	W7	43'	9"	Altitude	1,150	(m)
Households and					idential Are	a	·····	Access (kr	-	
	Yr 1996	Yr 2010		Fragments	il.		1	Pist) (km)
Households	22	26		E-W	900	(m)		Path	·) (km)
Population	150	181		N-S	900	(m)		Total	6.0) (km)
Public		L	'	<u> </u>	 		'	<u> </u>		
Facilities										
Sch	ools (1996)		Sc	chools (20		Mosq				
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)			
0	0	0	0	0	0	1	300			
First /	\ids	Publis	e halis	Coope	ratives	Wareho				
Nmbrs	(n12)	Nmbrs	(m2)	Nmors	(m2)	Nmbrs	(m2)			
0	0	0	0	0	0	0	0			
Commerce & I	ndustries								1	
Stor	es	Bute	hers	<u> </u>		Flour mills				
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)		
0	0	0	0	0	0	0	0	0	ŀ	
Electric Article	s held by Vil	lagers at Pre	sent (only	operated by	electricity of	f battery, dry	/-cell, & g	enerator)		
	Lights	TV Set	Radio	Air Con.	Refrige.	Others		-		
Nmbrs	0.00	0.67	1.00	0.00	0.00	0.00	(/househo	ld)		
Utilization	#DIV/0!	6.00	8.17	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)			
Electric Article	s desired by	Villagers in	Future							
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	i		
Nmbrs	7.67	1.00	1.17	0.00	0.83	0.00	0.00	(/househo	(d)	
Utilization	5.50	7.17	8.17	#DIV/0!	24.00	#DIV/0!		(hrs/day)		
Present Expens	e for Energy			Payable In	vestment an	d Monthly E	xpense for	Electrifica	tion	
	Monthly]			Initial	Monthly	l			
	Expense]			(DH)	(DH)				
Fuel	72.9	(DH/house	-	Leader	1,000	L	(/househo	•		
Electricity	74.3	(D) L'house	:hold)	Villagers	917	64.2	(/househo	id)		
Total	147.2	(DII/house	hold)							
Annual Income						penditure per		a		
Agriculture		(D) L'house			9,740	(DH/househ	old)			
Livestock](DHI/house					-			
Forestry	1)](DH/hous								
Others		(DH/house				ving per Hou				
Total	15,41	ΩH/hous	ehold)	-	5,672	(DH/househ	1010)			
<geographical< td=""><td>Conditions></td><td></td><td></td><td></td><td></td><td>46</td><td></td><td>·</td><td></td><td></td></geographical<>	Conditions>					46		·		
Location			·			of Surroundin		ens at		
on flat land	on hill		slope	_	East	South	West	1		
		*	West	J	25	30	13	J		
Distance from		22kV Powe	r Line							
5.5	[(km)									
Topographical			extending	the existing	power line.					
Flat	Slope	Steep	1					-		
*			J							
Annual Mean										
500	(mm)									

No.	200	Douar	1			Tamate	rto.				
C.R.	22		Sett	ifadma	~	Cercle	2	т	Tahana		
Location	L	l					L	I	1 allalia		
Latitude	N31	12	· · · · · · · ·	Longitude	Γ w ₇	42	43*	Altitude	10	001/>	
Households and			l		sidential Are	I	43	Access (k		00 (m)	
Tiouseriolus aix	Yr 1996	Yr 2010	1	Fragments		.a T	1	Pist (K		Ald.	
Households	40	48		E-W		(m)	ł	Path		.0 (km)	
Population	240	290	i	N-S		(n)	i	I		.5 (km)	~= ~-
Public	240	290	1	14-9	130	Kon	j	Total		.5 (km)	
Facilities											
Sch	ools (1996)		s	chools (20	10)	Mosc	ites	1			
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	ł			
2	2	80	2	2	96	10003	200	ł			
First /	L	1	c halls		ratives	Wareh					
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	ĺ			
0	0	0	0	0	0	0	0	ł	-		
Commerce & In		L	L	1		L	L	J			
Store		Rute	hers			Flour mills				•	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)			
0	0	0	0	0	0	0	0	0			
Flectric Articles	-			_		_					
TICCOIC ATTACK	·	TV Set	Radio		76 1		-сен, ez ge	enerator)			
Nmbrs	Lights 0.00	0 25	0.75	Air Con. 0.00	Refrige.	Others	(A	1.15			
Utilization	#D1V/0!	4.00	7.00	#DIV/0!		0.00 #DIV/0!	(/househo	10)			
				#DIV/0:	#DIV/0!	#DIV/U	(hrs/day)		-		
Electric Articles				T 4		·		ı			
Nmbrs	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others				
Utilization	4.38	0.50	1.25	0.00	0.00	0.00	1	(/househol	d)	-	
L		4.50	7.00	#DIV/0!	#DIV/0!	#DIV/0!		(hrs/day)	_		
Present Expense		1		rayaole inv		Monthly Ex	pense for	Electrificat	юп		
	Monthly				Initial	Monthly					
Fuel	Expense 55.1	(DM % access)		1 4	(DH)	(DH)	// 1 . 1 .		-		
Electricity		(DIL/house) (DIL/house)	•	Leader	750		(/househo				•
Total		(DH/house)	•	Villagers	6 06	57.5	(/househo	10)			
Annual Income		,	neroj		Assust Par	40	17				
Agriculture		ru [(DH/house)	hatdi			penditure per (DH/househo		1			•
Livestock		(DH/house		!	11,091	(DIL nousem	нај				
Forestry		(DH/house)	•				-		•		
Others		(DH/house)	-		4 1 6		.11.1				
Total		1.	•	-		ing per Hous		•			
1		(D)L'house	notoj		3,077	(DH/housche	10) .				
<geographical (<="" td=""><td>Conditions></td><td></td><td></td><td></td><td>61 (-)</td><td>ce v</td><td></td><td></td><td>-</td><td>:</td><td></td></geographical>	Conditions>				61 (-)	ce v			-	:	
Location on flat land	on hill			1		f Surrounding		is at			
OH HACIANG	OR DAIL	en s			East	South	West				
Distance Grant	ha Caladaa Y	7. 21-34 December	West		25	25	10				
Distance from the		zky Power	Line								
	(km) Zandišina ači	D		1							
Topographical (extending t	ne existing (power line.						
Flat	Slope	Steep						*			
Araual Maria D		L							•		
Annual Mean R											
700	(mm)										

N/2 1	310	Douar				Anfli				
No. C.R.	210	TVORI	Cetri	fadma	 1	Cerele	2	Γ	Tahanaou	ıt
		L					L	L		
Location	N31	12	144	Longitude	W7]	44	30"	Altitude	1,750)(a)
Latitude Households and		12			idential Are		l	Access (k		15/
Households and		Yr 2010		Fragments	13		1	Pist	-	(km)
(In any holds	Yr 1996 63	75		E-W	150	(m)	;	Path		(km)
Households	378	457		N-S	300			Total		(km)
Population	3/8	437		14.3	300	(11)		Lotes	0.0	Tany
Public Facilities										
·	ools (1996)	<u>-</u>	So	hools (20	0)	Mosq	ues	l		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	İ		
2	3	30	2	3	36	<u> </u>	10			
First A	l	l	halls		ratives	Wareho	uses			
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)			
Nuces	0	0	0	0	0	0	0		-	
Commerce & Ir	<u></u>	L`	L -	L	L		l)		
Store		Rote	ners	Γ	1	Flour mills				
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyđ.	Animal	Total	(kg/day)		
Niiors	8	0	0	0	0	0	0	0		
Electric Articles					_	-	-			
EICCUIC ARCSE		TV Set	Radio	Air Con.	Refrige.	Others]			
Nmbts	Lights 0.00	0.00	1.25	0.00	0.00	0.00	(/househo	(d)		
Nmors Utilization	#DIV/0!	#DIV/0!	6.29	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)	/		
Utilization Electric Article				#DI VIU:	717171		1,,			
Electric Amicle		TV Set	Radio	Air Con.	Refrige.	Heater	Others	1		
Markan	Lights 6.00	1.00	1.38	0 00	0.00	0.00	0.00	(/househo	ld)	
Nmbrs	3,63	5.63	7.75	#DIV/0!	#DIV/0!	#DIV/0!	•	(hrs/day)	,	
Utilization	P	3.03	L			Monthly Ex			tion	
Present Expens		1		ayao.c mi	Initia	Monthly				
	Monthly Expense	}			(DH)	(DH)				
Fsl	Expense	(DH/house	hald)	Leader	750		(/househo	(d)		
Fuel Electricity	53.0 69.5	(DH/house		Villagers	775	61.3	(/househo	-		
	122.5	(D) Uhouse	-	L	ı		1,,	,		
Fotal Annual Income			ciuj		Annual Exp	penditure per	Househol	d		
		nu](DH/house	bold)			(DH/househo				
Agriculture Livestock		(DH/house			12,071	1,			-	
		(DII/house								
Forestry		(DH/house			Annual Sav	ring per Hous	schold			-
Others	· ·	(DR/house	-			(DH/househ		•		
Total		Transfer of the second	ctu)			1,	,			
<geographical< td=""><td>Conditions></td><td></td><td></td><td></td><td>Sione (a) o</td><td>f Surroundin</td><td>g Mountai</td><td>ns at</td><td></td><td></td></geographical<>	Conditions>				Sione (a) o	f Surroundin	g Mountai	ns at		
Location	00 1:01	00.5	lope	1 .	East	South	West]		÷
on flat land	on hill	0015	North	1	25	25	10	1		
	la Fallada - 3	l]	L	L	Ļ <u></u>	j		
Distance from I		ZKY POWE	LINC							
8.0 Topographical](km)	Danta L.	auton tina	the existing	rouer line					-
			esending 1	ove e elstud	poner mic.					
l lat	Slope	Steep	{							
Ĺ	<u> </u>	L	J							
Annual Mean I										
700	(mm)									

No.	220	Douar	Γ			Timic	hi			
C.R.	22		LSetti	ifadma		Cercle	7 7	1	ahanage	
Location	L	<u> </u>				Iceret.	1	L	1 40 1211400	·
***************************************	1 3/3/	1	56	li angituda	1112	46	238	DATES.A. I	2.050	· 17 \
Latitude	N31	11'	30	Longitude	W7 sidential Are	Į.	12	Altitude	2,000	(m)
Households and	· ·	7-1-2-2-2	,			:a 	,	Access (km		
	Ÿr 1996	Yr 2010	1	Fragments			1	Pist		(km)
Households	60	71	J	E-W		(nı)		Path	11.0	(km)
Population	370	448		N-S	400	(m)		Total	11.0	(km)
Public			•				='			
Facilities		~~~						_		
Scho	ools (1 9 96)		So	hools (20	10)	Mosq	ues			
Nmbis	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)			
2	4	136	2	4	164	1	200	1		
First A	ids	Public	c halls	Coope	ratives	Wareh	ouses	1		
Nmbrs	(m2)	Nmbrs	(n12)	Nmbrs	(m2)	Nmbes	(m2)	1	_	
0	` 0	0	- ```	0		0	0	i		
Commerce & Ir	dustries	l	L	L	l	<u> </u>	<u></u>	J		
Store		Rote	hers			Flour mills			-	
Nmbrs		Nmbrs		Disast			Tatal	10-12-3		
Ninors	(m2)		(n12)	Diesel	Hyd.	Animal	Total	(kg/day)		
1 1	10	0	0	0	0	0	0			
blectric Article							-cell, & g	enerator)		
	Lights	TV Set	Radio	Air Con.	Refrige.	Others]			
Nmbrs	0.00	0.14	0.86	0.00	0.00	0.00	(/househo	l d)		
Utilization	#DIV/0!	4.00	6.17	#D1V/0!	#DIV/0!	#DIV/0!	(hrs/day)			
Electric Articles	s desired by	Villagers in	Future				•			•
Γ	l.ights	TV Set	Radio	Air Con.	Retrige.	Heater	Others	·		
Nmbrs	10.00	0.86	1.86	0.00	0.14	0.14	0.14	(/household	f)	
Utilization	4.14	6.83	6.14	#DIV/0!	24.00	0.00	#D1V/0!	(hrs/day)	, .	
Present Expense	e for Energy		L	Pavable Inv		d Monthly Ex			വ	
	Monthly	}			Initial	Monthly				
]	Expense				(DH)	(DH)				
Fuel	83.5	(DH/house	boldi	Leader	1,000		(/househo	lan.		
Electricity	83.0	(DH/house	-	Villagers	1,143		(/househo	•		
Total	171.5	(DH/house	-	Villagets	1,143	04.3	Minorizeno	iu)		
Annual Income			noio)		4115					
					•	penditure per		3		
Agriculture		(DH/house)			10,200	(DHI/househo	old)			
Livestock		(DIL'house)	=							-
Forestry		(DII/house)								-
Others	-	(DIL/house)	•	-		ing per Hous				
Total		(DHI/house)	hold)		9,966	(DH/househo	eld)			
<geographical (<="" td=""><td>Conditions></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></geographical>	Conditions>									
Location				=	Slope (o) of	f Surrounding	g Mountair	as at		
on tlat land	on hill	on s	ope		East	South	West			
		*	South	-	25	25	10			
Distance from the	he Existing 2	2kV Power	Line	•	L					
	(km)									
Topographical (Root when c	extending t	he existing r	sower line					
[Flat]	Slope	Steep								
*	oreșe	Баср							÷	
Annual Mean R	ainfall								•	
	aman (nm)									
[frient).									

No.	230	Douar				Agoun	5	· · · · · · · · · · · · · · · · · · ·	
C.R.	23		Ouka	imeden		Cercle	2		Fahanaout
Location									
Latitude	N31	[1]	48"	Longitude	W7	48	5"	Altitude	2,300 (m)
Households and	Population				idential Are	a		Access (kn	<u> </u>
	Yr 1996	Yr 2010		Fragments	1			Pist	0.0 (km)
Households	105	125		E-W	500		[Path	14.0 (km)
Population	630	762		N-S	500	(m)		Total	14.0 (km)
Public									
Facilities					100	14		1	
Sch				hools (20		Mosq		{	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(nt2)	į	
2	2	110	2	2	134	1	400	Į.	
First A			halls		ratives	Warch		4	
Nmbrs	(m2)	Nmbrs	(m2)	Nmors	(m2)	Nmbrs	(m2)	4	
0	0	0	0		0	0	0	}	
Commerce & In						FI 10.		1	
Stor			hers	<u> </u>		Flour mills	T-1-3	10.22.5	
Nmbrs	(n ₁ 2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
0	0	00	0	0	0	0	0		
Electric Article							r-cen, & gi i	enerator)	-
	Lights	1V Set	Radio	Air Con.	Refrige.	Others	(7	LA	
Nmbrs	0.00	0.00	1.00	0.00	0.00	0.00	(/househo	nu)	
Utilization	#DIV/0!	#D1V/0!	6.80	#DIV/0!	#DIV/0!	#D1V/0!	(hrs/day)		
Electric Article				1120	(D. C *	Nacional -	[
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	100000	A)
Nobes	6.67	0.83	2.42	0.00	0.00	0.17	0.00	(/househol	a)
Utilization	3.92	6.30	7.00	#DIV/0!	#DIV/0!	3.00		(hrs/đay) Electrificat	ina
Present Expens		: I		Payable Inv		Monthly E	ipense for I	Electrificat	ien
İ	Monthly				Initial (DVD	Monthly			
F	Expense	(D114	katan	Landas	(DH) 750	(DH)	(/househo	idi	
Fuel	80.5	(DH/house	-	Leader	896	•	(/househo		
Electricity	75.2	(DH/house	-	Villagers	690	39.2	(virouseno	w	-
Total	155.6	(DH/house	notu)		Annual Ess	penditure per	Househol	3.	
Annual Income			hot.D			(DH/househ		٠.	
Agriculture		(DH/house			1,329	COUNTRICATE	·		
Livestock		(D) Uhouse				٠.			
Forestry	_	(DIVhouse			Annual Co	ring per Hou	sehold		-
Others		(DH/house (DH/house				(DH/househ			
Total		Louvinouse	nota)		2,939	Transcore	olu)		•
<geographical< td=""><td>Conditions></td><td></td><td></td><td></td><td>Stone (a) a</td><td>f Surroundin</td><td>o Monotais</td><td>ns at</td><td></td></geographical<>	Conditions>				Stone (a) a	f Surroundin	o Monotais	ns at	
Location	5 50 kill		lope	1	Fast	South	West]	
on flat land	on hill	\$ 011.5	West	1	10	25	25	ł	
Diameter Section	ha Estivitar 2	ii		J		L		i	
Distance from		ZKY PUWCI	Line						
Topographical](km) Candition of	Dontschan	avtandina:	the existing	oower liez				
			tarnong I	me t vizung j	ponei mie.				
Flat	Slope	Steep					-		
ł	Poin fall	L)						
Annual Mean I									-
800	(mm)								

No.	240	Douar	r			Qulad Ma	nsour		
C.R.	240	L	Tan	esloht		Cercle	2	Tal	banaout
Location	l	L					<u> </u>	L	
Latitude	N31	29	8"	Longitude	W8	0	42	Altitude	630 (m)
Households and		l	L		idential Are		L	Access (kni)	
Tiouscholos and	Yr 1996	Yr 2010	ì	Fragments	1	<u> </u>	1	Pist	4.5 (km)
Households	70	83		E-W	306	(m)	•	Path	. 0.0 (km)
Population	500	605		N-S		(m)		Total	4.5 (km)
Public	300	L		L-3	300	(11)	i i	Lioiai	4.5[(kill)
Facilities									
Scho	eols (1996)		S	chools (20	10)	Mosq	ues	1	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
2	2	80	2	2	96	i	300	l	
First A		1	halls	<u></u>	ratives	Wareh	<u> L</u>	<u> </u>	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	ł	
0	0	0		0	0	0	0	{	
Commerce & Ir		L	L_ -	<u> </u>	I	L	L <u> </u>	,	
Store		Buto	hers	l		Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/đay)	
2	10	0	0	0	0	0	100	0	
Electric Articles			_						
Liectic Atticies		TV Set	Radio	Air Con.	Refrige.	Others	i		
Nmbrs	Lights 0.00	0.50	0.75	0.00	0.00	0.00	(/househo	UN	
Utilization	#DIV/0!	5.25	4.33	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)	10)	
Electric Articles				#21470:	aDivio:	#DIVIU:	(ins.eay)	_	
Electric Afficies				Air Con.	DoG: 00	Heater	Others	}	
<u> </u>	Lights	TV Set	Radio		Refrige.		0.00	(/household)	
Nmbrs	5.38	0.88	0.88	0.00	0.38	0.00		,	,
Utilization	3.50	5.71	6.67	#DIV/0!	24.00	#DIV/0!	#DIV/0!		
Present Expense		I	-	Payaole Inv			ipense ior I	Electrification	l · .
	Monthly				initial OUD	Monthly			=
E. d	Expense		L .1 JS		(DH)	(DH)	(/b.ss.b.s	145	•
Fuel	126.1 91.5	(DII/house	•	Leader	1,000		(/househo	•	
Electricity		(DII/house	•	Villagers	1,000	33.8	(/househo	10)	
Total		(DH/house	notaj		4	4	16		•
Annual Income	·	_	L-CA			penditure per		U	•
Agriculture Livestock		(DH/house	· ·		11,001	(DR'houseb	olaj		
		(DH/house							
Forestry		(DH/house			A 1 O	15		•	
Others		(DH/house				ring per Hous			
Total		(DH/house	neiaj		10,837	(DII/househ	olaj		-
<geographical< td=""><td>Cenditions></td><td></td><td></td><td></td><td>C1 (-) -</td><td>CO</td><td>- </td><td></td><td>-</td></geographical<>	Cenditions>				C1 (-) -	CO	- 		-
Location	1 111		 	١.		f Surroundin		nsat I	
on Hat land	on hill	on s	lobs	ļ '	East	South	West	İ	
<u> </u>				}	0	Ü	0	1	
Distance from t		ZKY Power	Line				-		
	(km)	ъ							
Topographical (extending : t	the existing	powêr line.				
Flat	Slope	Steep							. •
*		L	į						
Annual Mean R									
200	(mn)								

No.	251	Douar				Oulad La	hjar		
C.R.	24	12004	Tam	esloht		Cercle	2	Tal	ianaout
C.R. Location	L2+	L			i	L	Li	l	
	N31	23'	417	Longitude	₩8	5'	9.	Altitude	700](m)
Latitude Households an			 -	Size of Resi			L	Access (km)	
Households an		Yr 2010		Fragments	1		1 1	Pist	2.5 (km)
	ł	119		E-W	700	(m)	:	Path	0.0 (km)
Households	100	726		N-S	450			Total	2.5 (km)
Population	600	720		14-0		17		L	<u></u>
Public									
Facilities Col	ools (1996)		So	hools (201	10)	Mosq	ues		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
Ishiois	4	200	1	4	242	1	100		
l Disa	<u> </u>		: halls	Сооре	L	Warch	ouses	1	
First.		Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Í	
Nmbrs	(m2)	0	0	0	0	0	0		
0	0	L	L	L"	L	l	Ł	J	
Commerce & I		n	hace	т		Flour mills			
Sto		L	hers	Discal		Animal	Tetal	(kg/day)	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd. O	0	- tetai	300	
3	15	0	0	1			coll #: 0		
Electric Article			sent (only	operated by	electricity (or battery, or	r-cen, ac gr 1	encratory	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	(/househo	1.5	
Nmbrs	0.00	0.91	1.18	0.00	0.00	0.00	I '	10)	
Utilization	#DIV/0!	5.60	7.45	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		
Electric Article	es desired by	Villagers in	Future				1 0	1	
	Lights	1 V Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	6.91	1.27	1.18	0.00	0.64	0.00	0.09	(/household)	
Utilization	4.45	6.36	7.27	#DIV/0!	24.00	#DIV/0!	#DIV/0!	(hrs/day)	
Present Expen	se for Energy			Payable In			xpense for	Electrification	n
	Monthly]	•		Initial	Monthly		-	
	Expense			L	(DH)	(DH)	1	-	
Fuel	138.1	(DH/house	:hold)	Leader	1,500		(/househo		
Electricity	82 6	(DH/house	rhold)	Villagers	936	70.0	(/househo	old)	
Total	220.7	(DH/house	:hold)				•		
Annual Incom	e per Househ	oldi -				ipenditure pe		ld	
Agriculture	6,822	(DH/house	ehold)		11,235	(DH/housel	ield)		
Livestock	3,582	(DH/house	ehold)			_			
Forestry		(DH/house							
Others	1	(DH/house			Annual Sa	wing per Hou	isehold	-	
Total		(DHI/hous			6,260	(DH/housel	iold)	• -	
<geographica< td=""><td>Conditions</td><td>1,</td><td>•</td><td>-</td><td>L</td><td>.J</td><td></td><td></td><td></td></geographica<>	Conditions	1,	•	-	L	.J			
Location	a Cendinons	-			Stope (o)	of Surroundir	ng Mountai	ns at	
on flat land	en hill	on	slope	1	East	South	West	1	
VII HACTORY	- Carmin	+	1	1	0	0	0	1	
Distance from	the Existing	22kV Powe	Line	_3	L	·		-	
	i the Existing 3](km)	LARY FORE							
Tomorrabia	3](km) i Condition of	f Rout when	extending	the existing	power line.			•	
	Slope	Steep	1		•				
Flat	Stobe	- 300	┨						
L	Pain Call	<u> </u>	J						
Annual Mean									
20	(mm)								

No.	252	Douar		·		Oumna	S			
C.R.	24		Tam	esleht		Cercle	2	Ta	hanaout	
Location	L	l				L	1			
Latitude	N31	25'	16"	Longitude	W8	4	33*	Altitude	700 (m)	
Households and			L	* . ~	idential Are	!a	L	Access (km))	
	Yr 1996	Yr 2010		Fragments	1			Pist	0.5 (km)	
Households	150	178		E-W	600	(m)		Path	0.0 (km)	
Population	800	968		N-S	300	(m)		Total	0.5 (km)	
Public	<u> </u>	L			L	L	,	<u> </u>		
Facilities										
Scho	ools (1996)		So	chools (20		Mosq				
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		•	-
1	3	600	1	13	726	1	200			
First A	ids	Public	e halls	Coope	ratives	Wareho				
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)			
1	100	0	0	0	0	0	0			
Commerce & In				·		54				
Store			hers	<u> </u>		Flour mills		(4.75		
Nmbrs	(m2)	Nmors	(m2)	Diesel	Hyd	Animal	Total	(kg/day)		
4	20	0	0	<u> </u>	0	0	1	300		-
Electric Article							'-ceil, & ge I	enerator)	-	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	(0	1.1		-
Ninbrs	0.00	0.82	3.12	0.00	0.00	0.00	(/househō (hrs/đay)	19)		-
Utilization	#DIV/0!	7.57	8.07	#DIV/0!	#DIV/0!	#DIV/0!	(utz.ga).)		•	-
Electric Article				110.6	T D . C	Heater	Others	1		
ļ.,	Lights	TV Set	Radio	Air Con.	Refrige.	0.00	0.00	(/household	١	
Nmbrs	7.65	1.00	1.41	0.00 #DIV/0!	0.29 24.00	#DIV/0!		(hrs/day)	,	
Utilization	5.24	8.76	8.06			d Monthly Ex			NO.	
Present Expense		ı		rayaote im	Initial	Monthly	ipense roi I	£166 Billionic	714	
	Monthly				(DH)	(DH)				
Fuel	Expense 174.4	(DHVhouse	ho!d\	Leader	1,500		(/househo	ld)		
Electricity	135.7	(DH/house	•	Villagers	1,082		(/househo	•		
Total	310.1	(DH/house	•	111135013	1,002		1,	/	•	
Annual Income	1	-	.uoluy		Annual Ex	penditure per	Househol	đ	-	
Agriculture	•	/d }(DH∕house	boldi			(DH/househo		-		:
Livestock		(DH/house	-			1	,			
Forestry	1	(DH/house	-					-		
Others		(DH/house	,		Annual Sa	ying per Hous	sehold			-
Total		(DH/house				(DH/househ				. :
<geographical< td=""><td>1</td><td></td><td>/</td><td></td><td>L</td><td>1.</td><td>•</td><td></td><td></td><td></td></geographical<>	1		/		L	1.	•			
Location					Slope (o) o	of Surroundin	g Mountai	ns at		-
on flat land	on hill	on :	lope	1	East	South	West	1		-
+	 		Γ ΄	1	0	0	0	1		:
Distance from 1	the Existing 2	2kV Power	Line		L	&	·	•		
	(km)									
Topographical		Rout when	extending	the existing	power line.					-
Flat	Slope	Steep]	•						
•	 	 	1							
Annual Mean F	Rainfall	·	,							
	(mm)									•
L	•									

No.	261	Douar				Awin Ma	zouz.		
C.R.	24	2000	Tan	esloht		Cercle	2	T:	ahanaout
Location	L	L	1 47 (2	is Hent		Cereit	L	ł	Land to the Control of the
Latitude	N3I	32	0°	Longitude	W8	7	5)"	Altitude	500[(m)
Households and		L	L		idential Are	L	L	Access (km)	
ENUISCHOIGS AND		Yr 2010	1	Fragments	2	<u> </u>	1	Pist	0.3 (km)
Households	67	80		E-W	300	(m)	{	Path	0.0 (km)
t	420	508		N-S		(m)	 	Total	0.3 (km)
Population Public	420	308		L3	1 000	יייט	j	JULAI	<u> </u>
Facilities									
Sch	cols (1996)		S	chools (20	10)	Mosq	ues		
Nmbrs	Classes	(m2)	Ninbrs	Classes	(m2)	Nmbrs	(m2)		
1411013	1	40	1	1	48	l	150		
First A			halls		ratives	Wareh	L		
Nobrs	(m2)	Nmbrs	(m2)	Nmbrs	(0)2)	Nmors	(m2)		
O	0	0	0	0	0	0	0		
		L		L	L	l	L		
Commerce & Ir		Dota	hers	T		Flour mills			-
				Diesel	Hyd.	Animal	Total	(kg/day)	
Nmbrs	(m2)	Nmbrs	(m2) 10	Diesei	nyu.	0	1 1 1	160	
2 Electric Article	10			, -	ł		1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
Electric Article						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	r-cen, æ ge 1	encratory	
ļ <u>.</u>	Lights	TV Set	Radio	Air Con.	Refrige.	Others	 /ha::	en.	
Ninbrs	0.00	0.50	1.50	0.00	0.00	0.00	(/househo	10)	
Utilization	#DIV/0!	6.00	6.75	#DIV/0!	#DIV/0!	#DIV/C!	(hrs/đay)		
Electric Article				1 11 2	<u> </u>		. 0.1		
	Lights	TV Set	Radio	Air Con.	Refrige.	l leater	Others		
Nmbrs	9.25	1.00	1.50	0.00	0.38	0.00	0.63	(/household)
Utilization	4.00	6.88	8.13	#DIV/0!	24.00	#DIV/0!		(hrs/day)	-
Present Expens				Payable Im		d Monthly E	cpense for	Electrificatio	PA
	Monthly				Initial	Monthly			
	Expense	ļ		ļ <u> </u>	(DH)	(DH)	۱		
Fuel	118.9	(DH/house		i_eader	2,000		(/househo	-	
Electricity	112.2	(DH/house	· · · · · · · · · · · · · · · · · · ·	Villagers	1,125	68.1	(/househo	14)	
Total	231.1	(DH/house	hold)						
Annual Income	•					penditure per		đ	
Agriculture		(DH/house		÷	21,162	(DH/househ	old)	ē	
Livestock		(DH/house							
Forestry		(DH/house	•			_			
Others		(DH/house	-			ving per Hou			
Total	1	(DH/house	hold)		5,609	(DHI/househ	old)		
<geographical< td=""><td>Conditions></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></geographical<>	Conditions>	•							
Location		·		_	Slope (o) o	f Surroundin		ns at	
on flat land	on hill	00.5	lope	,	Fast	South	West		
*]	0	0	0		
Distance from t		2kV Power	Line	-					
6.3	(km)								
Topographical	Condition of	Rout when	extending t	the existing	power line.				
Flat	Slope	Steep							
•	1								
Annual Mean F	lainfall		•						
	(mm)								
L	,								

No.	262	Douse	Γ			Bouchiha Bo	on Omar		
C.R.	24		Tan	resioht		Cercle	2	ſal	anaout
Location	1	J				L,	I	1	
Latitude	N3I	32	41	Longitude	W8	6	28	Altitude	500 (m)
Households and	3 Population	<u> </u>	L.a		sidential Are	'a	1	Access (km)	
	Yr 1996	Yr 2010		Fragments	Ţ į	/ 	1	Pist	1.0 (km)
Households	66	78		E-W	800	(m)	i	Path	0.0 (km)
Population	400	484		N-S	350	(m)	1	Total	1.0 (km)
Public	L	-				<u> </u>	4	Ł	I`I
Facilities						·		_	
Sch				hools (20		Mosc	ues	J	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	Į	
1	3	240	i	5	290	1	200		•
First A			halls		ratives	Warch			
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0		
Commerce & In							 		
Store		Butc				lour mills	·	<u></u>	
Nmbrs	(m2) 50	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
Ulystala Aerisla		0	0	0	0	0	0	0	
Electric Articles			~~~				'-ceil, & ge	enerator)	
Nmbrs	Lights 0.00	TV Set	Radio	Air Con.	Refrige.	Others		•	
Utilization	#DIV/0!	0.88 5.71	1.25 6.14	0.13 10.00	0.00	0.00	(/househo	ia)	
Electric Articles				10.00	#DIV/0!	#DIV/0!	(hrs/day)	•	:
Ciecuic Atticles	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	6.38	1.00	1.50	0.00	0.25	0.13		//b b - 2 d)	
Utilization	3.88	7.38	7.00	#DIV/0!	24.00	8.00	#DIV/0!	(/household)	
Present Expense		7.50	7.00					(ms/uay) Electrification	
(Comespense	Monthly	•	. 1	I Lyavic III	Initial	Monthly	penso ier :	CICARRICATION	
	Expense				(DH)	(DH)			
Fuel	100.1	(DH/house	holdi	Leader	2,500		(/househol	lan	
Electricity		(DH/house)		Villagers	1,438		(/househol	,	
Total		(DH/house)	•					,	
Annual Income					Annual Exp	enditure per	Household	i -	
Agriculture	2,132	(DH/house)	hold)			(DI L'househo			
Livestock	4,353	(DH4house)	rold)		<u>-</u>	-	•		-
Forestry	0	(DH/house)	nold)				-		<u>.</u>
Others	19,062	(DH/house)	rold)		Annual Sav	ing per Hous	ehold		
Total	25,547	(DH/house)	1 ोर्व)		9,554	(DH/househo	ld)		
<geographical (<="" td=""><td>'onditions></td><td></td><td></td><td>•</td><td>J</td><td></td><td></td><td></td><td>-</td></geographical>	'onditions>			•	J				-
Location					Slope (o) of	Surrounding	, Mountain	is at	-
on flat land	on hill	on sl	ope	1	East	South	West	-	
*					0	0	0	-	
Distance from the		2kV Power	Line	`					
	(km)								•
Topographical C			xtending t	he existing p	ower line.				•
Ffat	Slope	Steep					-		
·									
Annual Mean R									
	(mm)								•

No.	270	Douar				Del El A	in				
C.R.	24	1	Tame	esloht	<u>-</u>	Cercle	2		Tahan	aout	
Location											
Latitude	N31	28'	53"	Longitude	W8	4	30°	Altitude		580	(m)
Households and					dential Area	 a		Access (k	m)		
Trousenorus and		Yr 2010		Fragments	1			Pist		0.5	(km)
Households	110	131		E-W	700	(m)		Path			(km)
Population	600	726		N-S	300	(m)		Total		0.5	(km)
Public							'				
Facilities	-										
	pols (1996)		Sc	hools (20)	0)	Mosq	ues				
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbes	(m2)				
1	8	400	1	9	484	i	200				
First A	\ids	Public	halls	Coope	ratives	Wareho	uses				
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)				
0	0	0	0	0	. 0	0	0	ļ			
Commerce & I	ndustries										
Stor		Buto	hers			Flour mills]		
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)			
	70	0	0	1	0	0	1	960	j		
Electric Article	s held by Vill	agers at Pre	sent (only	operated by	electricity o	f battery, dry	-cell, & g	enerator)			
	Lights	TV Set	Radio	Air Con.	Refrige.	Others					
Nmbrs	0.00	0.67	1.17	0.00	0.00	0.00	(/househo	ld)			
Utilization	#DIV/0!	6.13	8.92	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/đay)				
Electric Article	s desired by \	Villagers in	Future	L			·	_			
	Lights	TV Set	Radio	Air Cen.	Refrige.	Heater	Others]			
Nmbrs	8 25	1,08	1.17	0.00	0.50	0.00	0.00	(/househo	-		
Utilization	5.75	7.42	9.50	#DIV/0!	24.00	#DIV/0!		(hrs/day)			
Present Expens	e for Energy	L		Payable In	vestment an	d Monthly E	cpense for	Electrifica	ation		
	Monthly	1		ſ .	Initial	Monthly	1		-		
	Expense	İ			(DH)	(DH)	l				
Fuel	146.8	(DH/house	hold)	Leader	1,500		(/househo	-			
Electricity	87.2	(DH house	hold)	Villagers	1,088	75.8	(/househo) (5)	_		•
Total	234.0	(DH/house	chold)			-					
Annual Incom	e per Househo	id			Annual Ex	penditure per	: Househol	ld -			
Agriculture	21,627	(DH/house	hold)		12,950	(DH/househ	ાંડ)				
Livestock		(DH/hous									
Forestry		(D)1/house									
Others		(DH/house			Annual Sa	ving per Hou	schold				
Total	34,184	(DH/house	ehold)	:	21,234	(DH/househ	old)			_	
<geographical< td=""><td>Conditions></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></geographical<>	Conditions>										
Location				_	Slope (o) o	f Surroundin		ins at			
on flat land	on hill	on	slope]	East	South	West	1			
*]	0	0	0	j			
Distance from	the Existing	22kV Powe	r Line								
0.	71(km)										
Topographical	Condition of	Rout when	extending	the existing	power line.						
Flat	Slope	Steep]								
*	 	<u> </u>]								
Annual Mean	Rainfall		_								
	(mm)										
L	J` ′										

No.	30	0 Douar	1			Bel Ab	has			
CR.	2		LTah	anaout	······	Cercle		21	Tahanao	ut
Location	1	1				10000	J	<u> </u>	Tarrarias	
Latitude	N3	27	21'	Longitude	I w	55	ه	* Altitude	66	0[(m)
Households an			L		sidential Ar		<u> </u>	Access (ka		el(m)
	Yr 1996	Vr 2010	1	Fragments			1	Pist		5{(km)
Households	140	166	1	E-W	1,000	1	┨	Path		0 (km)
Population	900	1,089	1	N-S	1,000	F	┨	Total		5 (km)
Public			J	<u> </u>		10.7	J	10141		J(xii)
Facilities										
Sch	ools (1996)	S	chools (20	10)	Moso	าบอร	1		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	1		
1	4	320	Ī	7	388	3	300	1		
First A	Aids	Publis	e halls	Coope	ratives	Wareh	ouses	1		
Nmbrs	(m2)	Nobrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	1		
0	0	0	0	0	0	0	0	1		
Commerce & I	ndustries	A	<u></u>	·			A			
Stor	es	Butc	hers	 		Flour mills				:
Nmbrs	(m2)	Nmbes	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)		
5	100	ō	0	2	0	0	2	600		
Electric Article	s held by Vil	agers at Pre	sent (only	operated by	electricity (of battery, dry	-cell, & g	enerator)		
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	1			
Nmbrs	0.06	0.69	0.63	0.00	0.00	0.00	(/househo	old)		
Utilization	3.00	6.45	8.00	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)	•	-	
Electric Articles	s desired by	Villagers in	Future		·					
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	1		
Nmors	7.56	0.94	0.88	0.06	0.44	0.00	0.31	(/househol-	d)	
Utilization	5.13	6.67	7.46	24.00	24.00	#DIV/0!		(hrs/day)	٠, .	
Present Expense	e for Energy	L		Payable Inv	i	Monthly Ex			ion	
	Monthly	1			Initial	Monthly	[
	Expense		:	ļ	(DH)	(DH)				
Fuel	119.8	(DH/house)	hold)	Leader	1,500		(/househo	ta)		
Electricity	84.7	(DH/house)	hold)	Villagers	1,109		(/househo	•		
Total	201.5	(DH/house)	hold)		L	J	, ,	,	•	
Annual Income	per Houseko	ld			Annual Exp	enditure per	Househol	j		
Agriculture	9,952	(DIL/house)	hold)			(DH/househo				
Livestock	13,367	(Dl L'house!	hold)	,		,*	,			-
Forestry	0	(DHVhousel	hold)							
Others	5,175	(DH/housel	hold)		Annual Sav	ing per Hous	ehold		•	
Total	28,494	(DH/housel	nold)			(DH/househo				
<geographical< td=""><td>Conditions></td><td></td><td></td><td>,</td><td></td><td>`</td><td>,</td><td></td><td></td><td></td></geographical<>	Conditions>			,		`	,			
Location					Slope (e) of	f Surrounding	Mountais	ns at		
on that hand	on hill	on s	ope		East	South	West			
•					0	0	0			-
Distance from t	he Existing 2	2kV Power	Line	•	1		دا			
	(km)									
Topographical C	Condition of	Rout when e	xtending ti	he existing p	ower line.					
Flat	Slope	Steep	J		•					
*									-	
Annual Mean R	ainfall	J								-
300	(mm)									

No.	120	Douar	· · · · · ·			Derb Che	m s			
C.R.	25		Tahi	anaout	-	Cercle	2		Tahanaout	
Location	1	l	4 carr			L	L	L		
Latitude	N31	21'	48"	Longitude	W7	57	415	Altitude	900	(m)
Households an	S		L		idential Are		L	Access (k		<u> </u>
The section day	Yr 1996	Yr 2010	1	Fragments		<u>-</u>	1	Pist		(km)
Households	60	71		E-W	300	(m)	ł	Path		(km)
Population	369	446		N-S		(m)	ł	Total		(km)
Public	1	L	1		L	1	J			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Facilities										
	ools (1996)	~~·	So	hools (20	10)	Mosq	ues	1		
Ninbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmors	(m2)			
1	3	160	ı	3	191	i	100			
First A	Aids	Publi	c halls	Coope	ratives	Wareh	ouses			
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbes	(m2)			
0	0	0	0	0	0	0	0	•		
Commerce & I	ndustries	 -	L			L		•		
Stor		Buto	hers			Flour mills				
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)		
2	30	0	0	0	0	0	0	0		
Electric Article		agers at Pre	sent (only	operated by	electricity o	of battery, dry	-cell, & ge	nerator)		
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	<u></u> ר	•		
Nmbrs	0.00	0.86	1.71	0.00	0.00	9.00	(/househo	ld)		
Utilization	#DIV/0!	6.60	8.71	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)	•		
Flectric Article			Future	l	L		, ,			
1	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others			
Nmbrs	6.71	1.43	1.71	0.00	0.57	0.00	0.00	(/househo	ld)	
Utilization	5.14	7.00	7.71	#DIV/0!	24.00	#DIV/0!	#DIV/0!	`	,	
Present Expens						Monthly Ev		• • •	ion	
Tresent 15 tptnis	Monthly	1		1	Initial	Monthly				
	Expense				(DH)	(DH)				
Fuel	102.9	(DH/house	hold)	Leader	1,500		(/househo	ld)		
Electricity	90.3	(DHI/house		Villagers	1,143		(/househo	ld)		
Total	193.2	(DH/house					Ι,	•		:
Annual Income			•		Annual Ext	penditure per	Househol	đ	-	
Agriculture		(DH/house	hold)	ŧ		(DII/househ				
Livestock		(DHI/house			L	1.				
Forestry		(DHI/house								ţ
Others		(DH/house		Ē	Annual Sav	ing per Hous	sehold			
Total		(DH/house				(DH/househo				
<geographical< td=""><td><u> </u></td><td>1, -</td><td>•</td><td></td><td></td><td>1.</td><td>•</td><td></td><td></td><td></td></geographical<>	<u> </u>	1, -	•			1.	•			
Location	- chainond.				Slope (o) o	f Surroundin	g Mountair	as at		
on Bat land	on hill	on s	lope]	Fast	South	West			
			East	1	0	10	-0			•
Distance from	the Existing 2	2kV Power		j				;		
	(km)			÷		•				
Topographical		Ropt when	extending t	he existing (power line.				:	
Flat	Slope	Steep								
*	- Grope	2	}							
Annual Mean I	l Rainfall	l	,						-	- `
	(mm)									
L	J									

No.	330	Douar	Τ			Sour Tea	irara		
C.R.	25		Tah	nanaout		Cercle	7		
Location	<u> </u>	1				L	<u></u>	L	i di la la cut
Latitude	N31	21	2	* Longitude	W7	53	31*	Altitude	940 (m)
Households an		1	<u> </u>		sidential Ar		1 21	Access (kn	
	Yr 1996	Yr 2010	1	Fragments		Ϊ	3	Pist	1.5[(km)
Households	110	131	1	E-W		(m)	ł	Path	
Population	677	819	i	N-S	1	(m)	1	Total	0.0 (km)
Public	L	1	j			Tony		rotai	1.5 (km)
Facilities									
	ools (1996))	S	chools (20	10)	Mosc	ues	1	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
2	2	320	2	7	388	1	150		
First /	Aids	Publi	c halls	Coope	ratives	Wareh			
Nmbrs	(m2)	Nmbrs	(12)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0		•
Commerce & Is		L	L	L	L	L	أستسا		
Stor		Rote	hers -	T		Flour mills			•
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Ну з .	Animai	Total	1kg/day)	
8	20	0	0	i i	0	0	Total	(kg/day)	-
Electric Article			-	, .				150	
Intelle Milete	Lights	TV Set	Radio	Air Con.			r-ceu, & ge I	ustatot)	
Nmbcs	0.00	0.85	1.31	0.00	Refrige.	Others	,, ,		
Utilization	#DIV/0!	5.73	6.54	#DIV/0!	0.00	0.00	(/househol	a)	•
Electric Article				#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		-
Electric Afficie		TV Set			D. C.			•	
Nmbes	Lights	I	Radio	Air Con.	Refrige.	Heater	Others		
	8 54	0.92	1.15	0.00	0.15	0.00	I	(/household) .
Utilization	4.62	8.42	7.31	#DIV/0!	24.00	#DIV/0!	#DIV/0!		
Present Expense		t		Payable Inv		Monthly Ex	pense for I	lectrification	on
	Monthly				Initial	Monthly	•		
Fuel	Expense 223.8	(DII)	t -1.4s	,	(DH)	(DII)			
Electricity	128.0	(DII/house	,	Leader	1,500		(/househol		
Total		(DI Vhouse		Villagers	2,115	126.9	(/househol	d)	
Annual Income	351.8	(DI Uhouse)	neia)						•
			t.15			enditure per			
Agriculture Livestock		(DH/house)	•		17,455	(DHI/househo	id)	-	
Forestry		(DH/housel	-						· .
Others		(DIII) (DIII)	-		1 10			•	
l		(DH/house)	-			ing per Hous		•	
Total		(DH/house)	no ia)		42,995	(DH/househo	ld)		-
<geographical (<="" td=""><td>Conditions></td><td>-</td><td></td><td></td><td>a.</td><td></td><td></td><td></td><td></td></geographical>	Conditions>	-			a.				
Location						Surrounding		s at	
on flat land	on hill	on si	ope		East	South	West		
	1. 10 1 2 2				0	10	0		
Distance from the		2KV Power	Line						•
	(km)								
Topographical (extending th	he existing p	ower line.				
Flat	Slope	Steep							
*									
Annual Mean R								•	
400	(mm)								-

No.	340	Douar				Tlat Tedr	ara			
No. C.R.	25		Taha	inaout		Cerele	2		Tahan	30ut
Location	2.5									
	N31	20	110	Longitude	W7	54	7"	Altitude	Ī	970[(m)
Latitude Households and		201			dential Area	1	· I	Access (k		t
		Yr 2010		Fragments	71	1		Pist		0.0](km)
Households	80	95		E-W	800	(m)		Path	1	0.0 (km)
L	490	593		N-S	400			Total		0.0 (km)
Population Public	170		l			<u> </u>	, L	L	4	
Public Facilities										-
	ools (1996)		Sc	hools (201		Mosq	ues	ļ		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		:	
2	2	60	2	2	72	2	500			
First /	lids	Public	c halls	Coope	ratives	Wareho				
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	ļ		
0	0	0	0	0	0	Ö	0	-		
Commerce & In	!	L	<u> </u>		A				•	
Stor		Buto	hers	<u> </u>		Floor mills			1	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)]	
1	R	0	0	1	0	0		200	}	
Electric Article	s held by Vill	agers at Pre	sent (only	operated by	electricity o	f battery, dry	-cell, & ge	enerator)		
- There is a second	Lights	TV Sct	Radio	Air Con.	Refrige.	Others]			
Nmbrs	0.00	0.78	1.11	0.00	0.00	0.60	(/househo	ld)		
Utilization	#DIV/0!	6.00	6.86	#DIV/0!	#DIV/6!	#DIV/0!	(hrs/day)			
Electric Article					•—					
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	1		
Nmbrs	10.44	1.33	1.56	0.00	0.33	0.11	0.89	(/househo		
Utilization	4.78	7.89	8.11	#D1V/0!	24.00	4.00		(hrs/day)		-
Present Expens		L		Payable Inv	restment and	d Monthly E	cpense for	Electrifica	ation	
Tresent Expens	Monthly	1		Γ	Initial	Monthly	1			
I	Expense			1 **.	(DH)	(DH)]			
Fuel	362 9	(DH/house	:hold)	Leader	1,500		(/househo			
Electricity	189.4	(DH/house	•	Villagers	2,722	161.1	(/househo	13)		
Total	552.3	(DIVhouse						_		
Annual Income	1	1.	-		Annual Exp	penditure per	Househol	đ		
Agriculture	14.304	(DII/house	:hold)		20,184	(DH/househ	ગીત)			
Livestock	9,789	(D)L/house	chold)							
Forestry		(DH/house				=				
Others		(D) L/house				ving per Hou				
Total		(DH/house			26,619	(DH/househ	old)			
<geographical< td=""><td></td><td>3</td><td></td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td></geographical<>		3				=				
Location			-		Slope (o) o	f Surroundin		ins at		
on flat land	on hill	on s	slope] '	East	South	West	1		
<u> </u>	 	1 .	East]	0	10	0			
Distance from	the Existing	22kV Power	Line							
2 :	5](km)									•
Topographical	Condition of	Rout when	extending	the existing	power line.					
Flat	Slope	Steep	1							
*	 	T]							
Angual Mean	Rainfall									
	Û (mm)									
<u> </u>	- .									

[T	Trs	T				. 1				
No.		Douar	L			lmin Ta		r			
CR.	31	l	An	ougal		Cercle	3	L	Amizmiz	:	
Location		<u>,</u>		·	· · · · · · · · · · · · · · · · · · ·						
Latitude	- N31	7	52'	Longitude	W8	16'	8"	Altitude) (m)	
Households and				F1F	idential Are		•	Access (kr	•		
	Yr 1996	Yr 2010		Fragments		1	j	Pist		(km)	
Households	70	83		E-W	J	(m)]	Path		(km)	
Population	460	557		N-S	500	(ni)]	Total	12.5	(km)	
Public							-				
Facilities								,			
	ools (1996)			chools (20		Moso		l			
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Ninbrs	(m2)				
0	0	0	0	0	0	<u> </u>	100	Į			
First A		Public			catives	Wareh	·	Į			
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Į			
0	0	0	0	0	0	0	0	,			
Commerce & Ir						~~~	·w				
Store			hers			Flour mills					
Nmbrs	(m2)	Nmbrs	(n ₁ 2)	Diesel	Hyd.	Animal	Total	(kg/day)			•
5	100	1	15	0	4	0	4	1,900		_	
Electric Article			sent (only			f battery, dry	r-cell, & ge	enerator)			
	Lights	TV Set	Radio	Air Con.	Refrige.	Others					
Nmbrs	0.00	0 33	1.25	0.00	0.00	0.42	(/househo	ld)			
Utilization	#DIV/0!	4.00	6,17	#D1V/0!	#DIV/0!	5.00	(hrs/day)				
Electric Article	s desired by N	/illagers in	Future				- 		=		
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others				
Nmors	6.83	1.00	1.58	0.00	0.33	0.00	0.00	(/househol	ქ)		
Utilization	4.17	6.42	7.25	#DIV/0!	24.00	#D1V/0!	5.00	(hrs/day)			
Present Expens	e for Energy			Payable Inv	estment and	d Monthly Ex	pense for	Electrificat	ion		
	Monthly				Initial	Monthly		:			
	Expense				(DH)	(DH)		: .			
Fuel	121.2	(DH/house	hold)	Leader	1,500	\$0.0	(/househo	ld)	:		
Electricity	117.8	(DHI/house)	hold)	Villagers	746	56.7	(/househo	ld)	•		
Total	239.1	(DH/house)	hold)								
Annual Income	per Househo	તિ			Annual Exp	penditure per	Househole	đ			
Agriculture		(DH/house)	-		13,259	(DH/househ	old)				
Livestock	6,494	(DH/house)	hold)								
Forestry	Û	(DH/house	hold)								
Others		(DH/house)	-		Annual Sav	ing per Hous	sehold	. :			
Total		(DH/house)	hold)		12,877	(DHI/househo	old)				
<geographical< td=""><td>Conditions></td><td>•</td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td></geographical<>	Conditions>	•				•					
Location				_	Slope (o) o	f Surroundin	g Mountair	ns at			-
on flat land	en hill	en s	lope]	East	South	West				
		•	East]	26	9	22				
Distance from t		2kV Power	Line	- '							
	(km)										
Topographical	Condition of	Rout when	extending t	the existing [power line.			-			
Flat	Slope	Steep									
	•										
Annual Mean R											
500	(mm)										
	•										

No.	360	Douge				Addou	Z		
C.R.	31		And	ougal	T	Cercle	3		Amizmiz
	31	<u> </u>	4111					L	
Location	N3I	7	A)*	Longitude	W8	16'	3"	Altitude	1,460[(m)
Latitude Households and			72		idential Are		<u></u> .	Access (k	
mousenoids and	Yr 1996	Ϋ́τ 2010	1	Fragments	1		}	Pist	12.5 (km)
		59		E-W	100	(m)		Path	0.5 (km)
Households	50	363		N-S	400			Cotal	13.0 (km)
Population	300	203		11-3	[]	V1			1
Public Facilities									
	ools (1996)	-:	Sc	hoois (20	10)	Mosq	ues	1	
Nmbrs	Classes	(m2)	Neibra	Classes	(m2)	Nmbrs	(m2)		
2	2	64	2	2	78	 -	120		
First A	l	L	halls		ratives	Wareho	uses		
Nobrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		* =
9,00013	0	0	0	0	0	0	0		-
Commerce & In	, .	L	L	L	L		L <u>-</u>		-
Stor		Rute	hers	Γ	. 1	Flour mills			Ì
Nmbrs	(m2)	Nmors	(m2)	Diesel	Hyō.	Animal	Total	(kg/day)	
Nances	01123	0	0	0	0	0	0	0	-
electric Article							_		1
Licenso Anuele	Lights	TV Set	Radio	Air Con.	Refrige.	Others	,	,	
Nmbrs	0.00	0.50	1.38	0.00	0.00	0.13	(/househo	ld)	
	#DIV/01	5.25	6.50	#DIV/0!	#DIV/0!	3.00	(hrs/day)	•	
Utilization Electric Article	3		f	I "171 179:		L,	,,,		
mecune Arielê		TV Set	Radio	Air Con.	Refrige.	Heater	Others	l	
Marker	Lights 6.88	1.00	1.63	0.00	0.13	0.00	0.13	(/househo	(d)
Nmbrs		5.38	7.13	#DIV/0!	24.00	#DIV/0!	3.00	(hrs/day)	·- ,
Utilization	4.00	3.38	L			d Monthly E			tion
Present Expens		1	_	ayavic III	Initial	Monthly	. _P		
	Monthly				(DH)	(DH)			
Cud	Expense 91.9	(DH/house	hald)	Leader	500		(/househo	ld)	
Fuel Electricity	103.0	(DH/house	· -	Villagers	844		(/househo	•	
	194.9	(D)L/house		1 magers	L	L	1,	· y	
Total Annual Income	i	, ,	.11010)		Angual Fra	penditure per	Househol	đ	
		oiu](D1L/house	hold)			(DH/househ			
Agriculture		(DIU) Discouse		•					•
Livestock		(Dil/house							
Forestry		(DH/house			Angual Say	ing per Hous	sebold		
Others		(DH/house				(DH/househ		•	
Total	I	I (DIABORS)	.noroj		7,100	No. Photoco.	,		
<geographical< td=""><td>Conditions></td><td></td><td></td><td>٠</td><td>Stone (a) o</td><td>f Surroundin</td><td>e Mountai</td><td>ns at</td><td></td></geographical<>	Conditions>			٠	Stone (a) o	f Surroundin	e Mountai	ns at	
Location	20 1:01	T	lope	1 .	East	South	West]	
on flat land	on hill	en s	East	· .	39	10	0	1	
Distance from	L. Culatia - 3	26V Pana		j ·		L	L	J	
			LUIG						-
20.0 Topographical	(km) Cantilian of	Dout of-	extendina	sha evictina	nower line				
		~~~~~	eticiionig ]	an county	ponecime.				
Flat	Slope	Steep	ł				•		
<u> </u>		<u> </u>	J						
Annual Mean									
i	(mm)								

No.	370	Douar	Τ		···	Ain Gh	ad		
CR.	31		JAn	ougal	~~	Cercle	<del>]</del>	1	Amizmia
Location	<u></u>	I			·	Leticio	J	L	Amizmiz
Latitude	- N31	8	18	Longitude	W8	15'	50"	Altitude	1.450()
Households and			1		sidential Are	1		I I	1,450 (m)
nouseneros and	Yr 1996	Yr 2010	1	Fragments		.a 	1	Access (kr	
Households	43	51	1	E-W		(m)	1	Pist	11.5 (km)
Population	206	249	ļ	N-S		(m)		Path	0.0 (km)
Public	200	243	ĺ	D2	200	(m)	J	Total	11.5 (km)
Facilities							•		
	ools (1996)		S	chools (20	10)	Mosq	0120	3	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
1	3	260	1	6	314	1	100	ł	
First A		I	c halls		ratives	Wareh		ł	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0		
Commerce & In		L	L	L		<u> </u>		l	
Store		Rute	hers		<del></del> -	Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	0.7/2	
4	80	O	0	0	()	Animai 0		(kg/day)	
Electric Articles		1			,	-	0	0	
LICCUSC ATTRICES		IV Set					'-cell, & ge i	inerator)	
Nmbrs	Lights 0.00	033	Radio 1.33	Air Con.	Refrige.	Others			
Utilization	#DIV/0!	3.50	8.00	0.00 #DIV/0!	0.00 #DIV/0!	0.00	(/househol	ld)	
L				#D14/0!	#D14/0:	#DIV/0!	(hrs/day)		
Flectric Articles					Citizen T				•
Markey	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	11.67	1.17	1.50	0.00	0.00	0.00		(/household	J)
Utilization	4.33	5.83	8.00	#DIV/0!	#DIV/0!	#D1V/0!	#DIV/0!		-
Present Expense				Payable inv	<del></del>	Monthly Ex	pense for I	Electrificati	<b>ា</b>
	Monthly				Initial	Monthly			
Fuel	Expense	4D144	.10		(DH)	(DH)		_	
Electricity		(DH/house)		Leader	1,500		(/househol	,	•
Total		(DH/house)		Villagers	1,125	62.5	(/househol	(3)	-
Annual Income	,	(DH/house) ⊒	iola)		4 a.u I P:		.,		•
			1.45	:		enditure per			•
Agriculture Livestock		(DH/house)	-	, ,	17,543	(DH/househo	10)	•	=
I		(DH/house)							
Forestry Others	1	(DH/house) (DH/house)	•		4	·			
Total		•	•			ing per Hous			
1		(DH/house)	1010)	l	24,612	(DH/househo	10)		•
<geographical c<="" td=""><td><anoticine.< td=""><td></td><td></td><td></td><td>Cl / \</td><td></td><td></td><td></td><td></td></anoticine.<></td></geographical>	<anoticine.< td=""><td></td><td></td><td></td><td>Cl / \</td><td></td><td></td><td></td><td></td></anoticine.<>				Cl / \				
Location	0.4 1/16 1		·	r		Surrounding		s at	
on flat land	ea hilf	on sl		į	East	South	West		
L L	- E 22	V-37 D	Fast	Į	20	10	10		
Distance from th	_	KV Power !	Line						
20.0			,.						-
Topographical C			Atending th	ne existing p	ower line.				
Flat	Slope	Steep							
<u></u>									
Annual Mean Ra									-
500 (	mm)								

XI.	200	Douar				Inzaine				
No.		PO OT	And	ougal	r	Cercle	31		Amizmiz	
Č.R.	31		/LDC	/vgai	1			l		
Location Latitude	N31	8'	2*	Longitude	W8	15	42°	Altitude	1,420	(m)
					dential Are	لـــــــــــــــــــــــــــــــــــــ		Access (k		·
Households and		Yr 2010		Fragments	1		1	Pist	10.0	km)
	70	83		E-W	250	(m)		Path		(kn)
Households		508		N-S	400			[otal	10.0	
Population	420	300	!	11-0	100	()			L	`´-
Public Facilities										
Sch	ools (1996)		Sc	hools (201	10)	Mosq	ues			•
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)			
1	2	160	1	3	194	l I	100			
First /			c halls	Сооре		Wareho	ouses			
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		•	
0	0	0	0	0	0	<del></del> 0	0			
Commerce & In	·	L	L	l	II			ı		
Stor		Rote	hers	Γ		Flour mills			1	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	1	
S	100	1	15	3		0	3	600	1	
Flectric Article	s hald by Viti								J	
riecune Afficie		TV Set	Radio	Air Con.	Refrige.	Others	,			
V-1	Lights 0.00	0.33	1.33	0.00	0.00	0.00	(/househo	ld)		
Nmbrs		4.60	5.25	#DIV/0!	#DIV/0!	#DIV/6!	(hrs/day)	,		
Utilization	#DIV/0!			1 4014/0:	#E21 710:	L	1,,			
Electric Article				Air Con.	Refrige.	Heater	Others	]		
<del></del>	Lights	TV Set	Radio 1.67	0.11	0.00	0.00		(/househo	old)	
Nmbrs	8.11	1.22		24.00	#D1V/0!	#DIV/0!	L	(hrs/day)		
Utilization	4.56	6.89	7.56			d Monthly E				
Present Expens		1		rayance mi	Initial	Monthly	)	-144211146		
	Monthly		:		(DH)	(DH)				
Para	Expense	DUA	shatdi	Leader	1,500	l	(/househo	ld)		
Foel	160.4	(DH/house	-	Villagers	1,556	1	(/househo	-		
Electricity	105.1	(DH/house	•	Auragera	L	1	1,	•		
Total	265.6	](DH/house	ratiu)		Annual Ex	penditure per	r Hausehal	ત		
Annual Income			L 1 . 2 .			(DH/househ				
Agriculture		(DII/house			20,133	Lamage				
Livestock		(DH/house	-							
Forestry		(DH/house			Annual Ca	ving per Hou	sebold	-		
Others		(DII/house				l(DIVhouseh				
Total		(DH/house	enota)			Jennieusen	·····			
<geographical< td=""><td>Conditions&gt;</td><td></td><td>-</td><td></td><td>Slope (a) a</td><td>of Surroundin</td><td>e Mountai</td><td>ns at</td><td></td><td></td></geographical<>	Conditions>		-		Slope (a) a	of Surroundin	e Mountai	ns at		
Location	· · · · · · · · · · · · · · · · · · ·	·		1	East	South	West	}		
on flat land	on hill	· on	<del></del>	-{	31	20	13	{		
	<u>  </u>	i	West	J	L	L	L	1		
Distance from		ZKY Powe	LINC							
20.0	](km)			ale a autosto -	non ar lina					
Topographical			extending T	me existing	power tine.					
Flat	Slope	Steep	1				-			
L		<u></u>	j							
Annual Mean										
500	(mm)									
-										

No.	390	Douar	<u> </u>	· · · · · · · · · · · · · · · · · · ·	····	Imi N'is	sly .		
C.R.	31		An	ougal	~ ~ <del>~ ~ ~ ~ ~</del>	Cercle	]3	T	Amizmiz
Location	L				<del></del>	l	L	I	
Latitude	N31	9'	0'	Longitude	W8	15'	51"	Altitude	1,350 (m)
Households and	Population		·		idential Arc		J	Access (k	
	Yr 1996	Yr 2010	}	Fragments	ī	<u> </u>	1	Pist	14.0 (km)
Households	86	102		E-W	600	(m)	1	Path	0.0 (km)
Population	450	544		N-S	400	(m)	1	Total	14.0 (km)
Public		<del>1</del>	•	L	<del></del> -	L	,	1	<u> </u>
Facilities								_	
Sch	ools (1996)			chools (20		Mosq		]	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	1	100	ļ	
First A			e halls	Соорс	ratives	Wareh	ouses	1	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	1	
0	0	0	0	1	80	0	0	J	
Commerce & Ir				<del></del>					
Store			hers	<u> </u>		Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
5	100	0	0	0	0	0	0	0	
Electric Article							-cell, & ge	enerator)	•
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	l		
Nmbrs	0.00	0.08	1.17	0.00	0.00	0.17	(/househo	ld)	
Utilization	#DIV/0!	2.00	7.17	#DIV/0!	#DIV/0!	4.00	(hrs/day)		
Electric Articles							 <del></del>	1	-
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	6.08	1.00	1.33	0.00	0.08	0.00	0.08	(/househol	(d)
Utilization	4.83	6.73	8.17	#DIV/0!	24.00	#DIV/0!	4.00	(hrs/day)	
Present Expense			•	Payable Inv		Monthly Ex	pense for	Electrificat	ion :
	Monthly		•	İ	Initial	Monthly			
-	Expense	.DIIA		ļ	(DH)	(DH)	(0. 4.		
Fuel	117.8	(DIL/house	,	Leader	1,500		(/househo	•	
Electricity Total	97.0 214.8	(DH house (DI Phouse)	•	Villagers	904	38.8	(/househo	ia)	
Annual Income		•	notoj		Amount Shu		Manakal	,	•
		-	: hal A			penditure per		J	
Agriculture Livestock		(DH/house (DH/house			10,761	(DH/househo	лај		
Forestry		(DH/house							
Others		(DH/house	-	÷.	Annual Co.	ing per Hous	ebold		•
Total		(DIF house				(DH/househousehousehousehousehousehousehouse			-
<geographical< td=""><td></td><td>(E) E BORSE</td><td>inday)</td><td></td><td>10,240</td><td>(ENT DITOUSE IN</td><td>J. G.</td><td></td><td></td></geographical<>		(E) E BORSE	inday)		10,240	(ENT DITOUSE IN	J. G.		
Location	Conomicity/				Slone (a) a	f Surrounding	. Mountair	ne at	
on flat land	on hill	on c	lope	)	East	South	West	·5 111	
Contactand	on mu	*	East		12	7	16		
Distance from t	he Existina 2	l			12	,			
	(km)	***************************************	CITIC						
Topographical (		Rout when	extendina t	he existina :	nawer line	·		-	-
Flat	Slope	Steep	viiumg t	v 11301116	poner inte.				
	4								
Annual Mean R	ainfall	l							
	(mm)								
	()								

C.R.   31   Anougal   Cercle   3   Amizmiz	<u> </u>	400	Davier T				Dou Ana	ner		
Content	No.		CVON	And					<i>A</i>	mizmiz
Faitude	L			AIR	iugai	1		L		
Number			e:	419	Loopituda	wel	15'	28*	Altitude	1.320(m)
Fragments   1			8	41						
First Aids						lochtiat Ale	d 	1 1		
Total   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properties   Properti						300	(\			
Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Proble   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part										
Schools (1996)   Schools (2010)   Mosques	Population	220	266		N-2	200	(m)	ļ l	rotai I.	6.31(Kiii)
Numbers   Classes   (m2)   Numbers   Classes   (m2)   Numbers   Classes   (m2)   Numbers   Classes   (m2)   Numbers   Classes   (m2)   Numbers   (m2)   Numbers   Classes   (m2)   Numbers   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Classes   Class	Public									
Numbers					thoole (20)	(6)	Mosa	ues	ł	
Tist Aids	<u></u>									
First Aids	Nmbrs		` -				1 1			
Nmbrs	[				1 - I		Wasah	L		
Commerce & Industries   Stores   Butchers   Butchers   Stores   Butchers   Butchers   Stores   Butchers   Butchers   Stores   Butchers   Butchers   Stores   Butchers   Stores   Butchers   Stores   Butchers   Stores   Butchers   Stores   Stores   Butchers   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Stores   Store	First A									
Commerce & Industries										
Nmbrs			0	0	L		L	L	l	
Norther					<del></del>		F1		1	
Column	Store				<u> </u> _			F 77	the desired	
Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Comp	Nmbrs	(m2)			1			l		
Lights	0					- 1	_		i <u> </u>	
Nmbrs	Electric Article	s held by Vill	agers at Pro			electricity o	of battery, or	/-cell, & ge	enerator)	
Monthly   Expense   Fuel   147.2   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Electricity   112.3   (DH/household)   Ele		Lights	TV Set	Radio	J			1		
Electric Articles desired by Villagers in Future    Lights   IV Set   Radio   Air Con.   Refrige   Heater   Others	Nmbrs	0.00	0.50	1.00	0.00			J ·	łd)	
Nmbrs	Utilization	#DIV/0!	5.50	7.00	#DIV/0!	#DIV/0!	2.00	(hrs/day)		
Nmbrs	Electric Article	s desired by	Villagers in	Future					-	
Nimbrs					Air Con.	Refrige.	Heater		]	
Utilization   5.75   5.75   8.00   #DIV/0!   24.00   #DIV/0!   2.00   (hrs/day)	Nmbrs		1.00	1.25	0.00	0.25	0.00	0.00	(/household	i)
Present Expense for Energy    Monthly   Expense   Initial   Monthly   (DH)		5.75	5.75	8.00						
Monthly Expense   Initial (DH) (DH) (DH)		L	l	L	Payable Inv	restment and	d Monthly E	pense for	Electrificati	on
Expense   (DH/household)   Leader   1,000   50.0 (/household)			1		<b>[</b>	Initial	Monthly	]		
Fuel 147.2 (DH/household) Efectricity 112.3 (DH/household) Total 259.4 (DH/household) Annual Income per Household Agriculture 17,348 (DH/household) Elivestock 12,663 (DH/household) Forestry 0 (DH/household) Total 32,760 (DH/household) Total 32,760 (DH/household)  Geographical Conditions> Location Slope Steep  Distance from the Existing 22kV Power Line  9.0 (km)  Topographical Condition of Rout when extending the existing power line.  Flat Slope Steep  Annual Mean Reinfall  Leader 1,000 50.0 (/household)  Annual Expenditure per Household  12,000 (DH/household)  Annual Saving per Household  20,760 (DH/household)  Slope (o) of Surrounding Mountains at East South West  21 17 15  Annual Mean Reinfall		, ,	İ		1 .	(DH)	(DH)			
Efectricity 112.3 (DH/household) Total 259.4 (DH/household) Annual Income per Household Agriculture 17,348 (DH/household) Livestock 12,663 (DH/household) Forestry 0 (DH/household) Others 2,750 (DH/household) Total 32,760 (DH/household)  Geographical Conditions> Location Slope 0 of Surrounding Mountains at East South West 21 17 15  Distance from the Existing 22kV Power Line 9.0 (km)  Topographical Condition of Rout when extending the existing power line.  Flat Slope Steep  Annual Mean Reinfall	Fuel	1	(DH/house	chold)	Leader	1,000	50.0	(/househo	old)	
Total 259.4 (DH/household)  Annual Income per Household  Agriculture 17,348 (DH/household)  Livestock 12,663 (DH/household)  Forestry 0 (DH/household)  Others 2,750 (DH/household)  Fotal 32,760 (DH/household)  Geographical Conditions>  Location Slope (o) of Surrounding Mountains at the form the Existing 22kV Power Line  9.0 (km)  Fopographical Condition of Rout when extending the existing power line.  Flat Slope Steep  Annual Mean Reinfall	1		(DH/house	chold)	Villagers	813	62.5	(/househo	ld)	
Annual Income per Household  Agriculture 17,348 (DH/household)  Livestock 12,663 (DH/household)  Forestry 0 (DH/household)  Others 2,750 (DH/household)		259.4	<u>}</u> -	-	L		<u></u>	•		
Agriculture 17,348 (DH/household)  Livestock 12,663 (DH/household)  Forestry 0 (DH/household)  Others 2,750 (DH/household)  Total 32,760 (DH/household)  Geographical Conditions> Location Slope 0 of Surrounding Mountains at 0 on flat land 0 on hill 0 on slope East South West 21 17 15  Distance from the Existing 22kV Power Line 9.0 (km)  Topographical Condition of Rout when extending the existing power line.  Flat Slope Steep Annual Mean Reinfall			1.	-		Annual Ex	penditure pe	r Househol	d	
Livestock 12,663 (DIVhousehold) Forestry 0 (DIVhousehold) Others 2,750 (DIVhousehold) Total 32,760 (DIVhousehold) <geographical conditions=""> Location Slope (o) of Surrounding Mountains at  on flat land on hill on slope  Fast South West  Distance from the Existing 22kV Power Line  9.0 (km)  Topographical Condition of Rout when extending the existing power line.  Flat Slope Steep  Annual Mean Reinfall</geographical>				ehold)	-	12,000	(Dì Vhouset	old)		
Forestry 0 (DIL/household) Others 2,750 (DIL/household) Annual Saving per Household  Total 32,760 (DIL/household) 20,760 (DIL/household) <geographical conditions=""> Location Slope (o) of Surrounding Mountains at  on flat land on hill on slope East South West  Distance from the Existing 22kV Power Line  9.0 (km)  Topographical Condition of Rout when extending the existing power line.  Flat Slope Steep  Annual Mean Reinfall</geographical>			-				,			
Others 2,750 (DIVhousehold) Annual Saving per Household  Total 32,760 (DIVhousehold) 20,760 (DIVhousehold)  Geographical Conditions> Location Slope (o) of Surrounding Mountains at East South West 21 17 15 Distance from the Existing 22kV Power Line 9.0 (km)  Topographical Condition of Rout when extending the existing power line.  Flat Slope Steep Annual Mean Reinfall	L		3.							
Total 32,760 (DII/household) <geographical conditions=""> Location Slope (o) of Surrounding Mountains at  on flat land on hill on slope  Fast South West  Distance from the Existing 22kV Power Line  9.0 (km)  Topographical Condition of Rout when extending the existing power line.  Flat Slope Steep  Annual Mean Rainfall</geographical>	L					Annual Sa	ving per Hou	sehold		
Geographical Conditions> Location Slope (o) of Surrounding Mountains at on flat land on hill on slope East South West 21 17 15 Distance from the Existing 22kV Power Line 9.0 (km) Fopographical Condition of Rout when extending the existing power line. Flat Slope Steep Annual Mean Reinfall			-							
Location    On flat land   On hill   On slope   East   South   West		1		,			3.			
on flat land on hill on slope  I west  Distance from the Existing 22kV Power Line  9.0 (km)  Fopographical Condition of Rout when extending the existing power line.  Flat Slope Steep  Annual Mean Reinfall		COROLIDORS~				Slope (a) o	of Surroundin	ng Mountai	ins at	
Distance from the Existing 22kV Power Line  9.0 (km)  Fopographical Condition of Rout when extending the existing power line.  Flat Stope Steep  Annual Mean Reinfall		On hill	An An	slone	1 .				1	
Distance from the Existing 22kV Power Line  9.0 (km)  Fopographical Condition of Rout when extending the existing power line.  Flat Stope Steep  Annual Mean Reinfall	entiariand	en min	1		-		I		1	
9.0 (km)  Topographical Condition of Rout when extending the existing power line.  Flat Slope Steep  Annual Mean Rainfall	Distance from	the Existing	171-V Paus		J .	L		<u> </u>	J	
Fopographical Condition of Rout when extending the existing power line.  Flat Slope Steep  Annual Mean Rainfall			LERT FUNC	Line						
Flat Slope Steep  Annual Mean Rainfall	9.0	JUNIII Condition of	Dantuber	entendina	the existing	power line				
Annual Mean Reinfall				]	me existing	FO.100 1110.				
	Flat	Probe	Sicco	-}				-		
	L	<u> </u>	1	J						
500(mm)										
	500	ոլ(աա)								

No.	410	Dousr	[	···		Igound	em		
C.R.	31	<del> </del>	An	ougal		Cercle	] 3	7	Amizmiz
Location		L				L	.L	·L	
Latitude	N31	9	32	"Longitude	W8	15	131	Altitude	1,350 (m)
Households an	d Population	J	L		idential Are	:a	L	Access (kr	
	Yr 1996	Yr 2010	ł	Fragments	1	i	1	Pist	7.0 (km)
Households	13	15		E-W	400	(m)	1	Path	0.0 (km)
Population	100	121		N-S	1,000		1	Total	7.0 (km)
Public		L		L	L	Ľ	J	L	
Facilities									
Sch	ools (1996)		S	chools (20	10)	Moso	ques	] -	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	1	
0	0	0	0	0	0	1	100	1	
First	Aids	Public	c halls	Сооре	ratives	Wareh	ouses	]	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	1	80	0	0	]	
Commerce & I	ndustries							-	•
Stor	es	Bute	hers			Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
1	15	0	0	2	0	0	2	150	-
Flectric Article	s held by Vill		sent (only	operated by	electricity o	f battery, dry	y-cell, & go	enerator)	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	]	:	
Nmbrs	0.00	0.33	2.33	0.00	0.09	0.67	(/househo	ld)	:
Utilization	#D1V/0!	4.00	8.67	#D1V/0!	#DIV/0!	2.00	(hrs/day)		
Electric Article	s desired by \		Puture					-	
	Lights	TV Sct	Radio	Air Con.	Refrige	Heater	Others		
Nmbrs	10.33	1.33	2.00	0.00	1.00	0.00	0.33	(/househol	d)
Utilization	4.67	4.00	6.67	#DIV/0!	24.00	#DIV/0!	2.00	(hrs/day)	
Present Expens	e for Energy			Payable Inv	estment and	Monthly E	spense for	Electrificati	ion
	Monthly				Initial	Monthly	]	•	
	Expense				(DH)	(DH)			
Fuel		(DHL'housel		Leader	1,500		(/househo	-	
Electricity	133.0	(DH/housel	•	Villagers	1,250	80.0	(/househo	id)	
Total		(DH/house)	hol <b>d)</b>						
Annual Income				-		enditure per		d	
Agriculture		(DH/house)			20,932	(DH/househ	old)		
Livestock		(DH/house)	-						
Forestry		(DH/house)					-		
Others		(DH/house)				ing per Hous			
Total		(DH/house)	hold)		42,876	(DH/househo	old)		
<geographical< td=""><td>Conditions&gt;</td><td></td><td></td><td></td><td>a</td><td></td><td></td><td></td><td></td></geographical<>	Conditions>				a				
Location		,				Surrounding		nsat	
on that land	on hill	on s	_ <del>-</del>		East	South	West		
	<u> </u>	*	West	J	17	27	10		
Distance from t		ZKV Power	Line					-	-
	(km)	n . 1							
Topographical			extending (	ine existing [	ower line.				
Flat	Slope	Steep					-		
<del>,</del>	<u> </u>								
Annual Mean F	_								
500	(cim)								

No.	420	Douar				Toug Lki	eif			<del></del> -
C.R.	31		And	ougal		Cercle	3		Amizmiz	
Location	L									
Latitude	N31	9'	57*	Longitude	W8	15	28"	Altitude	1,200	(nı)
Households and	Population	L	L	Size of Res	dential Are	a		Access (kr		
	Yr 1996	Yr 2010		Fragments	i			Pist		(km)
Households	40	48		E-W	200	` •		Path		(km)
Population	250	302		N-S	200	(m)		Total	7.0	(km)
Public	L									
Facilities						<del></del>		,		
Sch	•			hools (20		Mosq		į		
Nmors	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	ł		
2	2	80	2	2	96	116	100	ł		
First /	\ids		c halls	L	ratives	Wareho				
Nmors	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	ļ		
0	0	0	0	0	0	0	L0	]		
Commerce & Io	noustries								ł	
Stor		ļ	hers	<u></u>		Hour mills	T 70 1	10.00		
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)		
0	0	0	0	0	0	0	0	]_0_	l	
Electric Article	s held by Vil				electricity of	f battery, or	/-cell, & g	eneratory		
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	l			
Nmbrs	0.00	0.40	1.40	0.00	0.00	0.40	(/househo	10)		
Utilization	#DIV/0!	6.50	8.25	#DIV/0!	#D1V/0!	1.50	(hrs/day)			
Electric Article	s desired by '							1		
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	<b>.</b>	4 %	
Nmbcs	8.00	1.20	1.80	0.00	0.00	0.00	0.40	(/househo	10)	
Utilization	5.00	6.60	8.40	#DIV/0!	#DIV/0!	#DIV/0!	1.50	(hrs/day)		
Present Expens	e for Energy			Payable In		Monthly E	(pense for 1	Llectrifica	เเอก	
	Monthly		:		Initial	Monthly				
	Expense	]			(DH)	(DH)	l			
Fuel	121.8	](DH/house	-	Leader	1,000		(/househo	•		
Electricity	103.4	](DH/house	-	Villagers	870	79.0	(/househo	10)		
Total	225.2	](DH/house	rhold)							
Annual Income						penditure per		a	•	-
Agriculture		(DH/house	-		15,960	(DH/househ	0(0)			
Livestock		(DH/house								
Forestry		(DH/house			. 10					
Others		(DH/house				ving per Hou				
Total		(DH/house	ehold)	• •	22,360	(DH/househ	ola)			
<geographical< td=""><td>Conditions&gt;</td><td></td><td></td><td></td><td></td><td>£0 .41-</td><td>- 1 (</td><td></td><td></td><td></td></geographical<>	Conditions>					£0 .41-	- 1 (			
Location				1		f Surroundin		1115 at <b>1</b>		
on flat land	on hill	On :	slope	i '	East	South	West 27	-		
L	<u></u>	<u> </u>	East	]	27	27	L	]		
Distance from		22kV Power	r Line							
7.0	)](km)				1*-					
Topographical			extending	the existing	power line.				-	
Hat	Slope	Steep	1							
L		<u> </u>	J							
Annual Mean										
500	[(m <b>m)</b>									

No.	430	Douar	r			Ait Ouz	kri		
C.R.	31		L An	ougal	······································	Cercle	<del>}''</del> 3	I An	izmiz
Location	ـــــــــــــــــــــــــــــــــــــ	L	4411	. v v 6 u	<del></del>	Iceleie	<u></u>	1	REUSE
Latitude	N31	11	14'	"Longitude	T W8	14	56"	Altitude	1.100(65)
Households and	L	L	L <u>'</u>	J	sidential Are			Access (km)	1,100 (m)
110030110103 411	Yr 1996	Yr 2010	1	Fragments		.a }	1	Pist Pist	3.0(4,)
Households	40	48	1	E-W		(m)	ł	Path	3.0 (km)
Population	250	302	ł	N-S		(n)	ł	L	0.0 (km)
Public	L	302	j	111-3	130	(us)	J	Total	3.0 (km)
Facilities .									
	ools (1996)		<u> </u>	chools (20	10)	Mosc		1	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmors	(m2)	1	
1	1	40	1	1	48	1	50		
First /	l Vidk	<u> </u>	c balls	1	ratives	Wareh	L		-
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		•
0	0	0	0	10	0	. 0	0		
Commerce & In		L	L"	1	L	L	L	ı	-
Stor		Bute	hers	<del></del>		Flour mills		<del></del>	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
0	0	0	0	0	0	0	0	(Kg/04y)	_
Electric Article					-		-		
Etteble Attiek	Lights	TV Set	Radio	Air Con.	Refrige.	Others	i-ten, et ge	inciatory	
Nmbrs	0.00	0.60	0.80	0.00	0.00	0.00	(/househo	1.25	
Utilization	#DIV/0!	5.00	4.33	#DIV/0!	#DIV/0!			10)	
Electric Articles		, ,	-	HDIVIU:	#DI V/0:	#D1 V/U:	(hrs/day)		•
Licea to Altreio	Lights	TV Set	Radio	Air Con.	DoGina	Heater	Others	1	
Nmbrs	6 20	1.00	1.20	0.00	Refrige.	0.00		(7) 1 -1 0	
Utilization	4.40	6.40	6.00	#DIV/0!	0.00 #DIV/0!	#DIV/0!		(/household)	
Present Expense		0.40	0.00				#DIV/0!		•
Toschi Expense	Monthly	Ì	i	Payaore inv			spease for i	Electrification	
	Expense				Initial	Monthly		-	
Fuel		(DH/house)	hald)	Leader	(DH)	(DH)	(/househol		
Electricity		(DH/house)	-	Villagers	10,000			•	
Total		(DH/house)	•	vinageis	1,100	75.0	(/househol	ia)	•
Annual Income	•		nose)		Angust C	enditure per	Uanastat	1	
Agriculture		iu (DH∕house)	hold)	. 1		enaiture per (DH/househo			
Livestock		(DII/house)	-		3,600	(TATERIQUSER)	au)	_	
Forestry		(DH/house)	•						-
Others	- 1	(DIVhouse)	•		Annual Car	ina nas Massa	ahal.²		
Total		(DIVhouse)	•	1		ing per Hous (DH/househo			
		(crivitouse)	iiotuj	ļ	11,113	(DI NUOUSERO	ng <b>i</b>		
<geographical (<br="">Location</geographical>	resoments>				Stone (a) -4	C	. 14-,		
on flat land	on hill	on s	000	١. ١		Surrounding		१६ हा	
on not land	- (47 (111)	₩ T	<del> </del>		Fast	South	West	-	
Distance from the	a Eviction ?	Oky Dames	East		30	27	22		
	ie raisting 2. (km)	CKY FOWCE	LPIC					-	
		- معادية	ntan Englis	ha avieties :					•
Topographical (			atending t	ne existing [	jower line.				•
a rat	Slope	Steep					-	•	
Annual Mean R	ainfall	I							•
	əmtası (mm)								
500	(min)	-							

No.	440	Douar				Ait Hma	ıd		
C.R.	31		And	ougal	Т	Cercle	3		Amizmiz
Location .		L		- O			L	L	
	I KN	101	25'	Longitude	W8	14'	45	Altitude	1,400 (m)
Latitude Households and					idential Are			Access (ki	
Households and	Yr 1996	Yr 2010		Fragments	1			Pist	5.5[(km)
	50	59		E-W	500	(m)		Path	0.0 (km)
Households	L	363		N-S	300			Total	5.5 (km)
Population	300	303		11-13	300	(''')	1		
Public									
Facilities	ools (1996)		S	hools (20	10)	Mosq	ues	1	
	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	Í	
Nmbrs	(13505	60	1	1	72	1	100		
	<u>L</u>		c halls	l	ratives	Wareho			
First /		Nubrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
Ninbrs	(ni2)			0	0	0	0		
0	0	0	0	I				ı	
Commerce & I		<del></del>		I		four mills		<del></del> -	
Stor		L	hers	<u> </u>		Animal	Total	(kg/day)	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animai	0	(kg/day)	
	20	0	0	0	0	-		1	
Electric Article				operated by	electricity o	I battery, ory	r-cen, ac go i	eneratory	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others		1 D	
Nmbrs	0.00	0.17	0.67	0.00	0.00	0.00	(/househo	(0)	
Utilization	#DIV/0!	4.00	5.00	#DIV/0!	#DIV/0!	#D1V/0!	(hrs/day)		
Electric Article	s desired by	Villagers in	Future						
	Lights	1V Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	6.83	1.00	1.00	0.00	0.33	0.00	0.17	(/househo	(ત)
Utilization	3.00	4.50	4.17	#DIV/0!	24.00	#D1V/0!		(hrs/day)	
Present Expens	e for Energy			Payable In	vestment an	Monthly E	spense for	Electrificat	tion ·
<u> </u>	Monthly	1			Initial	Monthly	1		
1	Expense	1		· ·	(DH)	(DH)			
Fuel	66.2	(DH/house	thold)	Leader	1,500	50.0	(/househo	old) .	
Electricity	89.7	(DH/house	hold)	Villagers	725	66.7	(/househo	id)	
Total	155.8	(DH/house	hold)	L			•		
Annual Income	1	.1 `				penditure per		d	
Agriculture		(DH/house	hold)		8,800	(DH/househ	old)		
Livestock		(DH house			<u></u>	•			
Forestry		(DH/house							
Others		(DHL'house			Annual Sar	ing per Hou	sehold		
Total		(DH/house				(DH/househ		•	
L		J.~~~	,		L	J -	-		
<geographical Location</geographical 	CORORIONS		-		Slope (o) o	f Surroundin	g Mountai	ns at	
on flat land	I on hill	on	slope	1 ·	East	South	West	] .	•
Ost trat failt	OH HIB	+	West	1	17	7	5	1	•
Distance from	the Evictine	) 2kV Pause	1	J ·		L	L.—	J	
		LERT FUNC	L.SIPC						
6.0	(km)	Dautukan	astendina	the existing	nower line				
Topographical	Condition of		J	are caroung	Ponsi inc.				
Flat	Sloce	Steep	-						
<u> </u>		<u></u> .	J						
Annual Mean									
500	(mm)								

No.	457	Douar			·				
C.R.	31		L	ougal		Tizgu Cercle		<del>۱</del>	
Location		1	/XII			Cercie	]3	A	mizmiz
Latitude	N31	10	47	Longitude	W8	15	117	Altitude	1.1001/>
Households and		1	L		sidential Are		<u> </u>		1,180 (m)
Trouserrors	Yr 1996	Yr 2010	1	Fragments		. a	1	Access (km) Pist	
Households	60	71	ł	E-W		(as)		L L	4.5 (km)
Population	250	302	ł	N-S	800			Path	0.0 (km)
Public	230	302	j	14-3	1,000	(m)	]	Total	4.5 (km)
Facilities									•
	ools (1996)		<u> </u>	chools (20	10)	Moso	uae .	1	
Nmbrs	Classes	(m2)	Nmors	Classes	(m2)	Niabis	(m2)		
1	1	62	1	: 1	76	1411413	100		•
First A	<u> </u>	L	c halls		ratives	Wareh	I		
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs		-	
0	0	0	(11/2)	0	0	O	(m2)		
Commerce & Ir	_			<u>`</u>	<u> </u>	<u> </u>	0		•
Store		D. 42	hers		<del></del>	Flour mills	<del></del>		
Nmbrs	(m2)	Nmbrs		0:22					
Whers	16	0	(m2)	Diesel 0	Hyd.	Animal	Total	(kg/day)	
				ł -		0	ا ــــا	90	
Electric Articles		TV Set					r-ceil, & ge	nerator)	
Nmbrs	Lights 0.00	0.29	Radio 1.71	Air Con.	Refrige.	Others			
		5.00		0.00	0.00	0.00	(/househol	d)	
Utilization	#DIV/0!		8.57	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		
Electric Articles	<del></del>				г- <del></del>			•	
<del>;</del>	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	5.57	1.00	1.71	0.00	0.14	0.00		(/household)	
Utilization	4.71	5.00	9.00	#DIV/0!	24.00	#DIV/0!		(las/day)	
Present Expense		ı		Payable inv			pense for I	Electrification	Į.
	Monthly				Initial	Monthly			
<u></u>	Expense	(F) V 1 / 1			(DH)	(DH)			
fuel		(DH/house)	-	Leader	1,000		(/househol	•	
Electricity		(DH/housel		Villagers	1,100	84.3	(/househol	ತೆ)	
Fotal		(DH/housel	hołd)						
Annual Income	-					enditure per			-
Agriculture		(DH/house)	•		11,883	(DH/househo	ld)		
Livestock		(DH4house)					-		•
Forestry		(DH/housel	-						:
Others		(DH/housel	•			ing per Hous			•
Total		(DH/house)	hold)		8,199	DH/househo	ld)		
<geographical (<="" td=""><td>Conditions&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></geographical>	Conditions>								
Location						Surrounding	Mountain	s at	
on flat land	on hill	on si			East	South	West		
<u></u>			South	l	24	16	18		
Distance from th	_	2kV Power	Line						÷
5.5									
Topographical C	· · · · · · · · · · · · · · · · ·		extending th	he existing p	ower line.	-			
Flat	Slope	Steep							-
ــــــــــــــــــــــــــــــــــــــ	* 1								
Annual Mean Ra									
500	(mm)								

No	160	Douar				Adardo	ur		
No. C.R.	31	DOUGH	And	ougal	Т	Cercle	3	A	mizmiz
<b>L</b>	31		7111	. OBui			L	L	
Location Latitude	N31	4'	310	Longitude	WS	16'	50°	Altitude	1,800 (m)
Households and				Size of Res				Access (km)	
Households and		Yr 2010		Fragments	4	····	1	Pist	20.0 (km)
				E-W	600	(m)		Path	0.5 (km)
Households	160	190		N-S	2,700	* :	}	Tetal	20.5 (km)
Population	700	847		N-9	2,700	(111)	,	L	
Public									
Facilities Sch	ools (1996)		Sí	thools (20	(0)	Mosq	ues		
Nmors	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
6	6	210	6	6	254	1	100		
First A			c halls	Coope		Wareho	ouses		
	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
Nmbrs	0	0	0	0	0	0	0		
0	<u></u>	<u> </u>	L				L		
Commerce & Is		Date	hers	Τ		Flour mills		<del></del>	
Stor				Diesel	Hyd	Animal	Total	(kg/day)	
Nabrs	(m2)	Nmbrs 0	(m2) 0	Dieset	0	0	0	(,8,03)	
Electric Article	15						1 *	1	
Electric Article					Refrige.	Others	]	, merotory	
	Lights	TV Set	Radio	Air Con.	0.00	0.00	(/househo	Jan	
Ninbrs	0.00	0.32	1.21	0.00 #DJV/0!	#DIV/0!	#DIV/0!	(hrs/day)		
Utilization	#DIV/0!	4.60	7.28	RDIV/U:	#DIVIO:	#DIVIO:	(insiday)	•	
Electric Article				C.C.	D-6:	Unatas	Others	1	
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater 0.00	0.11	[ [(/household]	
Nmbrs	8 21	1.00	1.42	0.00	0.05	#DIV/0!	1	(hrs/day)	,
Utilization	4.79	5.39	7.41	#DIV/0!	24.00			Electrification	ars.
Present Expens		1		Payable In		Monthly	tpense ioi	Licentretre	A.
	Monthly	1	٠.	·	Initial (DH)	(DH)	ŀ		
	Expense	/D.174		Leader	1,500	L	(/househo	4.0	
Fuel	92.7	(DH/house	-		789	L	(/househo	=	
Electricity	117.2	(DH/house	-	Villagers	767		Joneusene		
Total	209.9	(DH/house	enoia)		Annual Ex	penditure pe	e Househol	lal	
Annual Income			Lab :			pendicute pe [(Di <i>U</i> househ		· <del>·</del>	
Agriculture		(DH/house			10,933	Learn wonger	y		
Livestock		(DH/house						•	
Forestry		(DH/house	-		Annual Car	ving per Hou	sehold		
Others		(DH/house				OH/housel			-
Total		](DH/house	cuota)		L	Leve wooder	wwy		
<geographical< td=""><td>Conditions&gt;</td><td></td><td></td><td></td><td>Slone (a) a</td><td>of Surroundir</td><td>o Mountai</td><td>ins at</td><td></td></geographical<>	Conditions>				Slone (a) a	of Surroundir	o Mountai	ins at	
Location	T	T	·lan:	٦ .	East	South	West	1	-
on flat land	on hill	en :	slope -	4	27	22	23	1	-
	<u> </u>	121.1/ 2	Fast	J	L	L		1	
Distance from		ZZKY POWC	LIBE			,			
20.0	)](km)	. n 1		alen avisates -	non as lina				
Topographical			i extending T	me existing	power mie.				
Flat	Slope	Steep	4						
L		1	J						
Annual Mean									
500	](mm)								

No.	470	Douar	r			Lemdi			
CR.	32		J	zgour				T	
Location Location	L	L	A	/gout		Cercle	13	<u>L</u>	Amizmiz
Latitude	1 100	7		#T7	1	· · · · · · · · · · · · · · · · · · ·	<del></del>	Y	
Households an	N31	6'	34	Longitude			117	Akitude	1,840 (m)
nousenoids an		711 - 2215			sidential Arc	ca	3	Access (km	
ļ	Yr 1996	Yr 2010		Fragments			]	Pist	0.0 (km)
Households	160	190	Į	E-W	E	(m)	]	Path	0.0 (km)
Population	985	1,192		N-S	400	(m)	J	Total	0.0 (km)
Public							_	•	
Facilities	(1207)		<u></u>	· · · · · · · · · · · · · · · · · · ·		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
	ools (1996)			chools (20	<u></u>	Moso			
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
2	5	120	2	5	146	j	200	}	-
First /		Public			ratives	Wareh	ouses		
Nmbrs	(m2)	Nmbrs	(m2)	Ninbrs	(m2)	Nmbrs	(m2)		
0	0	. 0	0	1	40	0	0	• '	
Commerce & In									•
Store		Butc		l	1	Flour mills		. 7	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
4	10	0	0	0	2	0	2	240	
Electric Articles	held by Vill	agers at Pres	sent (only	operated by	electricity o	f battery, dry	-cell, & ge	nerator)	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others		·	
Nmbrs	0.00	0.65	1.45	0.00	0 00	0.00	(/househol	la)	
Utilization	#DIV/0!	4.77	7.45	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		•
Electric Articles	desired by V			L			\	•	
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	8.95	1.05	1.65	0.00	0.35	0.05		(/household)	•
Utilization	4.15	5.63	7.70	#DIV/0!	24.00	0.00	#DIV/0!		
Present Expense		3.03	1.70	,				(instituty) Electrification	
THE TOTAL PROPERTY.	Monthly		- 1	r ayaore in	Initial	Monthly	pense tor i	recumeano:	n .
	Expense			·	(DH)	(DH)			
Fuel		(DH/househ	old)	Leader	800		(/househo!	135	
Electricity		(DI Phouseh		Villagers			,	•	
Total		(DIVhouseh	· · · · · ·	Amagery	1,150	78.3	(/househol	u)	•
Annual Income			ioio)		Annual P				•
Agriculture		ra (DH/househ				enditure per		l	
Agriculture Livestock			-	Į	17,210	(DH/househo	nd)		
I		(DH/househ	•						
Forestry Others		(DH/househ	-						
LE		(DH/househ	-			ing per Hous			
Total		(DH/househ	iold)	. [	71,352	(DH/househo	ld)		•
<geographical (<="" td=""><td>Conditions&gt;</td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td></geographical>	Conditions>				_				
Location						Surrounding	Mountain	s at	
on flat land	on hill	on slo		[	East	South	West		
<u></u>		*	South	[	10	10	17		
Distance from the		2kV Power I	ine	_					
	(km)							•	
Topographical C	ondition of F	Rout when e	xtending ti	he existing p	ower line.				
Flat	Slope	Steep							
	•								
Annual Mean Ra									÷
600	(mm)								

No.	480	Douar				Tnict				
C.R.	32		Āz	gour		Cercle	3		Amizmiz	
Location										
Latitude	N31	. 6'	31"	Longitude	W8	19'	13"	Altitude	1,750	(m)
Households and				Size of Resi	dential Are	a		Access (ki	m)	
		Yr 2010		Fragments	1			Pist	0.0	(km)
Households	230	273		Ē-W	800	(m)		Path	4.0	(km)
Population	1,416	1,713		N-S	750	(m)	-	Total	4.0	(km)
Public		L		L		<u></u>	,			
Facilities								•		
Sch	ools (1996)		St	hools (201		Mosq				
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)			
1	6	240	1	6	290	2	350			
First /	Nids	Public	halls	Coope	ratives	Wareho	ouses			
Nimbrs	(n12)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	}		
0	0	0	0	0	0	0	0	j		
Commerce & I	ndustries									
Stor		Butc	hers			Flour mills			1	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	1emioA	Total	(kg/Jay)		
3	60	3	50	1	Ö	0	1	90	j	
Electric Article	s held by Vill	agers at Pro	sent (only	operated by	electricity (	of battery, dry	-cell, & g	enerator)		
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	j '			
Nmbrs	0.00	0.37	1.37	0.00	0.00	0.19	(/househo	old)		
Utilization	#DIV/0!	5.33	7.30	#DIV/0!	#DIV/0!	2.00	(hrs/day)			
Flectric Article	s desired by	Villagers in	Future							
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	j		
Nmbrs	8.63	1.00	1.48	0.00	0.26	0.00	0.19	(/househo	ld)	
Utilization	4.52	6.69	7.52	#DIV/0!	24.00	#DIV/0!	2.00	(hrs/day)		
Present Expens	e for Energy	<u>.                                    </u>		Payable Im	estment an	d Monthly E	pense for	Electrifica	tion	
<u> </u>	Monthly	]		[	Initial	Monthly	<b>}</b>			
	Expense	ļ		l	(DH)	(DH)				
Fuel	300.9	(DH/house	hold)	Leader	1,200		(/househo	-		
Electricity	117.2	(DH/house	hold)	Villagers	944	61.1	(/househo	old)		
Total	418.1	(DH/house	hold)			•				
Annual Income						penditure per		đ		
Agriculture		(DH/house			16,582	(DH/househ	old)			
Livestock		(DH/house								-
Forestry	267	(DH/house	hold)							
Others		(DH/house				ving per Hou		•		
Total	43,039	(DH/house	:hold)		26,457	(DH/househ	old)	•		•
<geographical< td=""><td>Conditions&gt;</td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></geographical<>	Conditions>	•								
Location				_		f Surroundin		ins at		
on Dat land	on hill	on:	lope	Ţ	East	South	West			-
	†		East	]	10	13	11	]	:	
Distance from	the Existing 2	2kV Power	Line					-		
4.0	il(km)									
Topographical	Condition of	Rout when	extending	the existing	power line.					
Flat	Slope	Steep	]							
		1	]							
Annual Mean	Rainfall		-							
504	(mm)									

No.	490	Douar	Γ		~	Anem	<u></u>	<u>-,</u>	
CR.	32		A.	gout		Cercle	3		Amizmiz
Location	L	.L					J	<u> </u>	
Latitude	N31	7	15	Longitude	W8	19	5.	Altitude	1,700 (m)
Households and	l Population	1	1		idential Are	1 ca	L	Access (kn	
	Yr 1996	Yr 2010	1	Fragments		Τ	1	Pist	0.0 (km)
Households	90	107	1	E-W	500	(m)	1 .	Path	2.5 (km)
Population	540	653	1	N-S		(m)	1	<b>Fotal</b>	2.5 (km)
Public	L	l	,	L		1`	j	LL	
Facilities					-			_	
Sch	ools (1996)		S	chools (20	10)	Moso	ues	]	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	]	
1	2	240	3	5	290	3	400		
First A	lids	Publi	e halls	Сооре	ratives	Wareh	ouses	]	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	}	
0	0	0	0	0	0	0	0		
Commerce & In				-					
Store			hers			Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	•
3	50	0	0	1	0 -	0	l	100	
Electric Articles							-cell, & ge	enerator)	-
	Lights	TV Set	Radio	Air Con.	Refrige.	Others			
Nmbrs	0.00	0.64	0.91	0.00	0.00	0.00	(/househo	ld) -	-
Utilization	#D1V/0!	4.86	6.90	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		•
Electric Articles									-
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	8.09	1.18	1.45	0.00	0.27	0.09	0.09	(/household	) :
Utilization	5.00	6.82	9.27	#DIV/0!	24.00	0.00		(hrs/day)	
Present Expense		•		Payable Inv		i Monthly Ex	pense for l	Electrification	on
	Monthly			•	Initial	Monthly	-	•	
Post	Expense	(D1) (L	t. In		(DH)	(DH)			
Fuel		(DIMhouse	•	Leader	1,500		(/househol	•	
Electricity Total		(DII/house	•	Villagers	1,164	/8.6	(/househol	ld)	
Annual Income		(DH/house	notaj		America's Pro-				
Agriculture	·	ia (DH house)	halds			enditure per		1	•
Livestock		(DIT house)	•		13,430	(DH/househo	Ha)		
Forestry		(DH'house)							•
Others		(DH/house			Amount Con			-	-
Total		(DH/house)	-	1		ing per Hous (DH/househo			
L		(in thouse	uc <b>iu</b> j	• •	33,033	(DIT/HOUSERC	nu)	-	
<geographical c<br="">Location</geographical>	_CORGROOMS/				Stone (a) of	f Surrounding	Mountale	se of	
on flat land	on hill	on s	ane i		East	South	West	is at	
CONTESTANO	CATAIL	*	East		0	6	11	-	
Distance from the	re Existing 2	OkV Pancer				l			•
	km)	LATIONEL	T IIIC						
Topographical (		Rout when	evtendino s	ha pyjetina s	vau ee lina				
Flat	Slope	Steep		ar v storing	oner luic.			÷	
<del>                                     </del>	•							÷	
Annual Mean Ra	ainfall						•		
	(mm)								
L									

No.	500	Douar				Ansmro	)u			
C.R.	32	<b></b>	A7	gour		Cercle	3	I	Amizo	niz
Location		L				L	<u></u>	L		
Latitude	N31	6	45*	Longitude	W8	21	16"	Altitude	1.7	80 (m)
Households and		L	L	_	idential Are	ł	1	Access (k		<u> </u>
	Yr 1996	Yr 2010	1	Fragments	1		1	Pist	<del>-</del>	0.0 (km)
Households	160	190		E-W	450	(m)	1	Path		3.5 (km)
Population	985	1,192		N-S		(m)	-	Total		3.5 (km)
Public				Ľ	1	(4.7	j	L	!	
Facilities										
Sch	ools (1996)		: S	hools (20	10)	- Mosq	ues	1		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(012)			
I	2	100	1	2	120	1	160	1		
First A	ids	Public	c halls	Coope	ratives	Wareh	ouses	1		-
Nmbrs	(m2)	Nmbis	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	1		
0	0	0	0	0	0	0	0	<b>¦</b>		
Commerce & In		L	L	L	L	L	<u>.                                      </u>			
Store		Buta	hers	<del></del>		Flour mills		~	)	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)		
4	10	0	0	0	0	0	0	0	ł	
Electric Articles			l	1 <u> </u>	l		1	ii	l	
Ficcore Arrests		TV Set	Radio	Air Con.	Refrige.	Others	، - د د بی هد وه ا	incrator j		
Nmbrs	Lights 0.00	0.21	1.05	0.00	0.00	021	(/househo	lds		
Utilization	#DIV/0!	4.75	5.67	#DIV/0!	#DIV/0!	2.00	1.	iu)		
		i		#DI V/U!	#DIV/U:	2.00	(hrs/day)			
Electric Articles								<b>i</b>		
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		1 15	
Nmbrs	9.05	1.00	1.16	0.00	0.05	0.00	0.00	(/househo	10}	
Utilization	5.84	6.61	8.32	#DIV/0!	24.00	#DIV/0!	2.00	(hrs/day)		
Present Expense		,		Payable Inv		Monthly Ev	(pense for	Electrifica	nen	
Ì	Monthly				loitial	Monthly				
	Expense	(5)114	:	ļ <u>.</u>	(DH)	(DH)	(1 . ) .			
Fuel	139.0	(DH/house		Leader	1,000		(/househo	•		
Electricity	100.9	(DH/house	,	Villagers	997	73.2	(/househo	ld)		
Total	240.0	(DH/house	hold)					_		
Annual Income		_				penditure per		o o		
Agriculture		(DII/house			15,382	(DII/househo	014)			
Livestock		(DH/house								
Forestry		(DH/house								
Others		(DH/house	-	-		ing per Hous			-	
Fotal	47,945	(DH/house	hold)	-	32,563	(DH/househ	old)	•		
<geographical (<="" td=""><td>Conditions&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></geographical>	Conditions>									
Location						f Surrounding		ns at		
on flat land	on hill	on s			East	South	West			
		3.0	East		10	20	23			
Distance from the		2kV Power	Line			•				
	(km)									
Topographical (			extending t	he existing _l	power line.					
Flat	Slope	Steep								
	•									
Annual Mean R					-					
600	(mm)									
<b></b>										

No.	510	Douar	T			Talat Ait	Ihla		
C.R.	32	<b> </b>	Az	gour		Cercle	3	) A	mizmiz
Location	I	·				L	<u> </u>		
Latitude	N31	6'	-0	Longitude	W8	20	39	Altitude	1,760 (m)
Households and	Population 1	L	L		idential Are		I	Access (km)	2,700 (4.1)
	Yr 1996	Yr 2010	1	Fragments	T 1	Τ	1	Pist	0.0 (km)
Households	70	83		E-W	500	(m)	{	Path	0.0 (km)
Population	210	254		N-S		(m)	1	Total	0.0 (km)
Public		L	,		1	IV7	j	1.0	v.v(kiii)
<b>Facilities</b>									
Scho	ools (1996)		So	chools (20	10)	Moso	ues	1	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	1	
0	0	0	0	0	0	1	100	1	
First A	ids	Public	halls	Coope	ratives	Wareh	ouses	i	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	{	
0	0	0	0	0	0	0	0		
Commerce & In	dustries	L	L	!	<u> </u>	L	Li	ı	
Store	25	Bute	hers	<u> </u>		Flour mills	<del></del>	<del></del>	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
1	20	0	0	0	1	0		100	
Electric Articles		- 1	_		electricity o	_	cell & of		
	Lights	1V Set	Radio	Air Con.	Refrige.	Others	) (	incratory	
Nmbrs	0.10	0.80	1.30	0.00	0.00	0.00	(/househo	tan .	
Utilization	5.00	4.86	9.60	#DIV/0!	#D1V/0!	#DIV/0!	(hrs/day)	<i>i</i> u)	
Electric Articles				L #DITTO:	#D1470:	W171410:	(ms/day)		
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	1	
Nmbrs	7.30	1.10	1.30	0.10	0.00	0.00	0.60	(Access to a bet)	
Utilization	4.30	7.50	8.50	24.00	#DIV/0!	#DIV/01	#DIV/0!	(/household)	
Present Expense		L	6.50					(mszuay) Electrification	
Tresent Expense	Monthly	1		Tayable III	Initial	Monthly	i pense 101 i	Etecuthication	İ
	Expense				(DH)	(DH)		•	
Fuel	178.1	(DH/house)	hatdi	Leader	1,500		(/househol	LAN .	
Electricity	103.6	(DHI/house)		Villagers	1,150		(/househol	•	
Total	281.7	(DI Vhouse	-	Tillagets	1,330	61.0	יסווסנטנוטו		
Annual Income					Annual Eve	oenditure per	Uawaahali		
Agriculture		(DIL/house)	hatdi	1		(DH/househo		,	
Livestock		(DIL/house)		İ	24,000	CENTRICOSCUC	nej		
Forestry		(DH/housel	•				-		
Others		(DH/housel	-		Annual Car	ing per Hous	-hald	•	
Total		(DH/housel		. 1		ing per rious (DH/househo			
<geographical g<="" td=""><td></td><td>(2711/10000</td><td>iotoj</td><td></td><td>33,308</td><td>(minionseu)</td><td>no)</td><td></td><td></td></geographical>		(2711/10000	iotoj		33,308	(minionseu)	no)		
Location	connents.			_	Ctana (a) at	C Carraga d'in a	. 1 /		-
on flat land	on hill	on si				Surrounding		18 &[	-
Cit Hat land	CIR HOLL	OII SI	<del></del>		East	South	West		
Distance from the	a Evistina 2	DLAY Danie	East		0	16	11		
	_	ZKA LOMGI	LING				•		
	(km) Constillad of t			Europe de					
Topographical C			extending ti	ne existing p	ower line.				-
1913	Slope	Steep							
Annual Mean R	ain fall								
	aiotait (mm)								
[	(mm)								-

No.	520	Douar	Toulkine						
Ć.R.	32		Āτ	gour		Cercle	3	I	Amizmiz
Location	L	L	~	<u> </u>		I	L		·····
Latitude	N3I	9	52"	Longitude	W8	19	52°	Altitude	1,710 (m)
Households and		l	L		idential Are	t a	L	Access (ki	
	Yr 1996	<b>Уг</b> 2010		Fragments	<u>                                     </u>	Γ	1	Pist	0.0 (km)
Households	190	226		E-W	600	(m)		Path	0.0 (km)
Population	1,400	1,694		N-S		(m)		Total	0.0 (km)
Public	L	L	1	L	L	C			l
Facilities								_	
Sch	ools (1996)		So	thools (20	10)	Mosq	ues		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)		
1	4	140	1	4	170	2	400		
First A	ids	Public	halts	Coope	ratives	Wareho	ouses		
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	-	
0	0	0	0	0	0	0	0		
Commerce & Ir	dustries								
Store	es ·	Buto	bers	<u> </u>		Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
10	200	2	30	2	0	0	2	400	
Flectric Article	s held by Vill	agers at Pre	sent (only				-cell, & ge	enerator)	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others			
Nmbrs	0.60	0.27	1.27	0.00	0.00	0.00	(/househo	ld)	
Utilization	#DIV/0!	4.67	6 32	#D1V/0!	#DIV/0!	#DIV/0!	(hrs/day)		
Electric Article	s desired by \	Villagers in						_	•
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	6.86	0.91	1.36	0.00	0.14	0.00	0.27	(/househol	ld)
Utilization	4.68	6.89	7.32	#DIV/0!	24.00	#DIV/0!		(hrs/day)	
Present Expense	e for Energy			Payable Inv		i Monthly Ex	ipense for	Electrificat	ion
	Montaly				Initial	Monthly			
	Expense				(DH)	(DH)			
Fuel	161.0	(DH/house	•	Leader	1,200		(/househo	•	
Electricity	85.0	(DH/house	-	Villagers	980	52.5	(/househo	ld)	
Total	246.1	(DHI/house	hold)						
Annual Income		_				penditure per		đ	
Agriculture		(DII/house	-		10,970	(DH/househo	old)		
Livestock		(DH/house	-						
Forestry		(DH/house	-			* **			
Others		(DH/house		- :		ing per Hous			
Totai		(DH/house	nold)		12,172	(DH/househo	11 <b>0)</b>		
<geographical< td=""><td>Conditions&gt;</td><td></td><td></td><td></td><td>Class (-) -</td><td>f Caree and a</td><td>· Manustrii</td><td>as at</td><td></td></geographical<>	Conditions>				Class (-) -	f Caree and a	· Manustrii	as at	
Location				1		f Surrounding		15 ät	
on flat land	on hill	on s			East	South 18	West 9		
L			North	] . !	0	18			
Distance from t		ZKV Power	Liuc						
3.0	(km)	Dante Las	a, tandine s	ha ar letina :	nou ar lina				
Topographical			extending t	aic existing [	римсі інж.				
Flat	Slope	Steep							
L	*	I							-
Annual Mean R									
300	(നങ)								•

No.	530	Douar				Adghou	ISS		
C.R.	32		Āz	gour		Cercle	]		mizmiz
Location	·	I				L.,	·	<u> </u>	
Latitude	N31	11'	12"	Longitude	W8	19'	18*	Altitude	1,770 (m)
Households and	Population	B		Size of Res	idential Are	3	J	Access (km)	)
	Yr 1996	Yr 2010		Fragments	1		1	Pist	2.0 (km)
Households	50	59		E-W	150	(n)	Ì	Path	3.5 (km)
Population	200	242		N-S	150		İ	Total	5.5 (km)
Public	L			L	4	<u> </u>	J	<b>.</b>	
Facilities								_	
Sch	ools (1996)		Se	hools (20	10)	Mosq	ues		
Nmbrs	Classes	(m2)	Nmbes	Classes	(m2)	Nmbrs	(m2)	-	
2	2	98	2	2	118	1	80	Ì	
First A	ids	Public	halls	Сеоре	ratives	Wareh	ouses		
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0		
Commerce & Ir	ndustries		L	L				•	
Store		Buto	hers	<del></del>	i	Flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
1	10	0	0	<del></del> 0	0	0	0	0	
Electric Articles		agers at Pre		-	electricity o	f battery, dry	-cell. & e	enerator)	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	}	•	
Nmbrs	0.00	0.67	1.00	0.00	0.00	0.00	(/househo	ld)	
Utitization	#DIV/0!	5.25	6.20	#DIV/0!	#DIV/0!	#D1V/0!	(hrs/day)	,	
Electric Articles				1.017.0.			(5.04)/		•
[	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	l	
Nmbrs	6.00	0.83	1.50	0.00	0.00	0.00	0.00	(/household)	١
Utilization	5.00	6.60	6.67	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	, .	•
Present Expense		0.00	0.07					Electrificatio	ori
Tresent Expense	Monthly	)			Initial	Monthly		Dieta Invanc	
	Expense				(DH)	(DH)			
Fuel	119.3	(DII/house	haldi	Leader	1,000		(/househo	!d\	
Electricity	129.2	(DH/house	-	Villagers	917		(/househo	-	
Total	248.5	(DH/house	-		L		(VI) COSTIO	,	
Annual Income		`			Annual Exc	enditure per	Householi	đ.	
Agriculture		(DH/house	haldi			(DH/househo		•	
Livestock		(DII/house	•			(compared to	,		-
Forestry		(DH house	-						
Others		(DII/house	-		Annual Sav	ing per Hous	ehold		-
Total		(DH/house				(DIL/househo			
<geographical< td=""><td></td><td></td><td>iloloj</td><td></td><td>[</td><td>(EM BITOUSE IN</td><td></td><td></td><td></td></geographical<>			iloloj		[	(EM BITOUSE IN			
Location	Contamons				Stone (a) at	f Surrounding	e Mauntsi:	ns at	-
on that land	on hill	en s	lana	ì	Fast	South	West	j	
OH IFAL TAIL	OH III	*	<del></del>		0	10	5		
Distance from t	he Existing 2	NV Paules	North	j l	Ll			l	
	ne Existing 2 (km)	THA LAMEL	T-1136						
Topographical (		Dout 11 hon	astandina t	ha avictica :	nau az tina				
· · · · · · · · · · · · · · · · · · ·			i elemanig t	ne e abang	ponei inc.				
Flat	Slope	Steep							
Angual Maria D	lain Call	L	l						
Annual Mean R									
	(mm)								

f:,		N				Douzro			
No.		Douar	L				3	A.	mizmiz
C.R.	32		Az	gour	l	Cercle		A	31173131Z
Location				<u></u>		22	120	446.4.	1 820//201
Latitude	N31	9	45*	Longitude	W8	23'	12"		1,820 (m)
Households and					idential Are	a		Access (km)	
L		Yr 2010		Fragments	1			Pist	2.5 (km)
Households	220	261		E-W	350			Path	1.5 (km)
Population	1,500	1,815		N-S	200	(m)		Total	4.0 (km)
Public									
Facilities			<del></del>					Ī	
Scho	, ,			hools (20		Mosq			
Nmbrs	Classes	(m2)	Nnibrs	Classes	(m2)	Nmbrs	(m2) 120		
]	Σ	80	1	2	96	- 1			
First A	lids		e halls		ratives	Wareho			
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0	}	
Commerce & I	ndustries			·					
Stor	es	Bute	hers	<u></u>		Flour mills	·		
Nmors	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
6	10	0	0	2	0	0	2	1,050	
Electric Article	s held by Vill	agers at Pro	sent (only	operated by	electricity o	f battery, dry	-cell, & ge	enerator)	-
	Lights	TV Set	Radio	Air Con.	Refrige.	Others		-	
Nmbrs	0 00	0.32	1.00	0.00	0.00	0.04	(/househo	14)	
Utilization	#DIV/0!	5.13	6 26	#DIV/0!	#DIV/0!	6.00	(hrs/day)		
Electric Article	s desired by	/illagers in	Future		4		•		
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	Ì	
Nmbrs	6.61	1.00	1.16	0.00	0 20	0.00	0.03	(/household	)
Utilization	4 24	6.43	7.56	#DIV/6!	24.00	#DIV/0!	6.00	(hrs/day)	
Present Expens	e for Energy	L	L	Payable In	estment an	d Monthly E	cpense for	Electrification	on .
	Monthly	]		<u> </u>	Initial	Monthly	1		
}	Expense	1			(DH)	(DH)			
Fuel	229.6	(DH/house	hold)	Leader	700	40.0	(/househo	ld)	
Electricity	90.8	(DH/house		Villagers	976	67.4	(/househo	ld)	
Total	320.4	(D) I/house		L	<u> </u>		,		
Annual Income		1 -	,		Annual Ex	penditure per	Househol	đ	•
Agriculture		[(DH/house	ehold)			(DH/househ			
Livestock		(DH/house				1.	-		
Forestry		(DH/house							
Others		(DH/house	•		Annual Sa	ving per Hou	sehold		
Fotal		(DH/house				(D) (/househ			
	L	J. C. L. 1903		•	L	1,	,		
<geographical< td=""><td>CONTROUS</td><td></td><td></td><td></td><td>Stope (a) n</td><td>of Surroundin</td><td>g Mountai</td><td>ns at</td><td></td></geographical<>	CONTROUS				Stope (a) n	of Surroundin	g Mountai	ns at	
Location on tlat land	en hill		slope	1	East	South	West	1	
OH HAC IANG	VII HIH	*	West	╣.	35	10	0	1	
L	L Cultural and a C	il V Danie	1	J	L	<u> </u>	L	j	
Distance from		ZKY POWE	LENIC						
L8.3	](km)	Baut 1	aster des	tha eviction	namer line				
Topographical			extending T	nic e cisting	ponti inc.			-	
Flat	Slope	Steep	4						
L	<u></u>	J	J						
Annual Mean	_								
500	)](mm)								

No.	550	Douar	1	<del></del>		Ait Outn	nane			
C.R.	32			rgour		Cercle	3	An	nizmiz	
Location		1			·		<u></u>	L	111212112	
Latitude	N31	9	23	Longitude	W8	23	40	Altitude	1,450 (m)	
Households and	Population	L	1		sidential Ate		L	Access (km)	.,	
	Yr 1996	Yr 2010	1	Fragments			1	Pist (	2.5 (km)	
Households	150	178	1	E-W	1,750	(m)	1	Path	0.0 (km)	
Population	600	726	1	N-S	1,100			Total	2.5 (km)	
Public		<del></del>	•	<u></u>	<i>!</i>	Li	J	L		
Facilities										
Scho				chools (20	10)	Mosq	ues			
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)			•
1	<u> </u>	136	1	3	164	<u> </u>	001			
First A	·		e halls		ratives	Wareh	ouses			
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)			
0	0	0	0	0	0	0	Û			
Commerce & In				····			·		•	
Store			hers	<u></u>		lour mills				
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)		
5	10	0	0	0	0	0	0	0		
Electric Articles							r-cell, & ge	nerator)		
	Lights	TV Set	Radio	Air Con.	Refrige.	Others				
Nmbrs	0.00	0.56	1.50	0.00	0,00	0.17	(/househol	d)		
Utilization	#D1V/0!	4.60	5.94	#DIV/0!	#DIV/0!	2.00	(hrs/day)		•	
Electric Articles				1 11 'a	r-=					
<del>,,,,,</del>	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	•		
Nmbrs Utilization	9.44	1.11	1.67	0.00	0.44	0.00		(/household)		
LI	3.78	6.61	6.28	#DIV/0!	24.00	#DIV/0!	I	(hrs/day)		
Present Expense				Payable Inv			pense for I	Electrification		
	Monthly Expense				Initial	Monthly				
Fuel	139.3	(DHI/house)	Lat A	Leader	(DH)	(DII)		•		
Electricity	113.0	(DIL/house	-	Villagers	1,000 828		(/househol			
Total	252.3	(DH/house)		vinageas	828	08.3	(/househol	a)		•
Annual Income	- 1	•	nora)		Annual Fua		11 2-13	•		
Agriculture		(DIVhouse)	hald)	1		enditure per		!		
Livestock		(DII/house)	•		17,303	(DHI/househo	)(u)			
Forestry		(DIVhouse)	-							
Others		(DH/house)			Annual Cari	ing per Hous	ahald		-	
Total		(DIVhouse)	•			DH/househo				
<geographical (<="" td=""><td></td><td>(DIDINOUS)</td><td>1014)</td><td>l</td><td>7,552</td><td>PATEROGRAM</td><td>na)</td><td></td><td></td><td></td></geographical>		(DIDINOUS)	1014)	l	7,552	PATEROGRAM	na)			
Location	. Ordiners				Slope (a) of	Surrounding	Mountain	r 08		
on flat land	on hill	on si	one	۱ ۰	East	South	West	5 at		
		* 1	West		24	14	17		-	
Distance from the	e Existing 2	2kV Power		ı		.,,	'			
	(km)	<b>Lone</b>								
Topographical C		Rout when 4	extendine F	he existino r	nower line			-		
Flat	Slope	Steep		caronag p	romer Hale.					
	1									
Annual Mean R	ainfal <b>l</b>							•		
	(mm)									
	. ,									

No.	560	Douar	~			Tagadii	rt		
C.R.	32		Āz	gour		Cercle	3	/	Amizmiz
Location		L					<b></b>	L	
Latitude	N31	111	9"	Longitude	W8	23'	54"	Altitude	1,610 (m)
Households and	Population	L	L <u></u> -	Size of Res	dential Are	a		Access (km	
	Yr 1996	Yr 2010		Fragments	1			Pist	2.5 (km)
Households	50	59		E-W	150	(m)		Path	4.5 (km)
Population	140	169		N-S	150	(m)		Total	7.0 (km)
Public		l	•	<u></u>	L	<u> </u>			
Facilities									
Sch	ools (1996)		S	hools (20)		Mosq			
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	ļ	
0	0	Ó	0	0	: 0	]	100	Į	
First A	\ids	Publi	e halls		ratives	Wareho			
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(n ₁ 2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0		
Commerce & In	ndustries					·			
Stor	es	<u></u>	hers			Flour mills	 Tr	073-3	
Ninbes	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
0	0	0	0	0	0	0	0	0	
Electric Article	s held by Vill				electricity of	of battery, dry	r-cell, & gi	eneratory	
	Lights	1 V Set	Radio	Air Con.	Refrige.	Others		• 10	
Nmbrs	0.00	0.25	1.25	0.50	0.00	0.25	(/househo	10)	
Utilization	#DIV/0!	5.00	7.00	10.00	#DIV/0!	1.00	(hrs/đay)		
Electric Article	s desired by		Future					1	
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	l	A
Nmbrs	6.50	0.75	1.00	0.00	0.25	0.00	0.50	(/househole	d)
Utilization	3.25	7.00	7.00	#D1V/0!	24.00	#DIV/0!	1.00	(hrs/day)	
Present Expens				Payable In		d Monthly E	xpense for	Flectrinear	ion
	Monthly			i ·	Initial	Monthly			
L	Expense	]		<u></u>	(DH)	(DH)	1/2	.I.N	
Fuel	135.3	(DH/house	-	Leader	900		(/househo		
Electricity	119.3	(DIL/house		Villagers	675	30.0	(/househo	ola)	
Total	254.6	(DH/heuse	held)		Access to Po	_aadi6	e Hansahai	i.d	
Annual Income					Annual Ex	penditure per [(DH/househ	ATOUSCHO!	iù.	
Agriculture		(DH/house			21,000	Mentanonseu	or <b>u</b> j		
Livestock	1	(DH/house							
Forestry		(DII/house			1 C -	otaa usa Usu	sahal4	•	
Others		(DH/house				ving per Hou ](DH/househ			-
Total		(DH/house	chold)		-8,001	[(1)IIVIIOUSCI	Ciuy		
<geographical< td=""><td>Conditions&gt;</td><td></td><td></td><td></td><td>Class (s) a</td><td>of Surroundia</td><td>e Mountai</td><td>inc at</td><td></td></geographical<>	Conditions>				Class (s) a	of Surroundia	e Mountai	inc at	
Location	·			า	East	South	West	7	
on flat land	on hill	00	slope	4	10	18	0	1	
L	<u> </u>	1	West	J	L	10	<del></del>	J	
Distance from		ZZKV POWE	LUNC				•		
20.0	(km)	en		the existing	nouselins	•			
Topographical			i extending T	uic cvisuilg	ponti dic.				
Flat	Slope	Steep	4						
L		J	J						
Annual Mean					-				
L	)](mm)								
				•					

No.	570	Доозг	1			Tilid			
C.R.	32	£	A7	rgour		Cercle	3	7	Amizmiz
Location	L			<u> </u>		1	I	<u> </u>	
Latitude	N31	10	43'	Longitude	W8	24	28"	Altitude	1,580 (m)
Households and	l Population	J	Ļ	Size of Res	idential Are	a	<u> </u>	Access (km	
[	Yr 1996	Yr 2010	1	Fragments	ī	T	]	Pist	2.5 (km)
Households	90	107	1	E-W	600	(m)	i	Path	3.5 (km)
Population	150	181	1	N-S	400	(m)	1	Total	6.0 (km)
Public	L	·	•	h	A	<del> </del>		<b></b>	
Facilities									
Sch			L	chools (20		Mosq	<u></u>	Į	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	l	
2	3	84	2	3	102	1	100		
First A		I	c halls	<u> </u>	ratives	Wareh		1	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	1	
0	0	0	0	<u> </u>		0	0	!	
Commerce & In		<del></del>	T	<del>,</del>		F1			
Store			hers	l-0:		Flour mills	Terr	I diales	
Nmbrs 2	(m2)	Nmbrs	(m2)	Diesel	Hyd. 0	Animal 0	Total 0	(kg/day)	
	10		0	I	1 i	l	l	0	
Electric Articles							r-cen, at go	enerator)	•
Nmbrs	Lights 0.00	TV Set 0.55	Radio 1.18	Air Con.	Refrige.	Others 0.27	l/househo	1.15	
Utilization	#DIV/0!	6.17	6.89	#DIV/0!	#DIV/0!	2.00	(/nouseno (hrs/day)	ia)	
Electric Articles			_	#DIVIO!	#171 Y TO!	2.00	(disposal)		
Exculo Atticles	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	ı	
Nmbrs	6.91	1.00	1.27	0.00	0.18	0.00	0.27	(/household	<b>)</b>
Utilization	5.18	7.09	8.91	#DIV/0!	24.00	#DIV/0!	2.00	(hrs/day)	
Present Expense		لــــــــــــــــــــــــــــــــــــــ		1		Monthly Ex			)G
	Monthly	l			Initial	Monthly			
	Expense			1	(DH)	(DH)			:
Fuel	126.5	(D)I/house	hold)	Leader	500		(/househo	ld)	•
Electricity	80.5	(DH/house	hold)	Villagers	659	44.1	(/househo	ld)	
Total	207.0	(DH/house	hold)	<u> </u>	L			•	
Annual Income	per Househo	ld				penditur <mark>e per</mark>		d ·	
Agriculture	6,079	(DH/house	hold)		11,047	(DHI/househo	old)		
Livestock	7,851	(DIVhouse	hołd)	1		•			
Forestry		(DH/house	-						•
Others		(D)//house	•			ing per Hous			
Totai	19,550	(DH/house	hold)		· 8,503	(DI1/househo	old)		-
<geographical (<="" td=""><td>Conditions&gt;</td><td>-</td><td></td><td>,</td><td></td><td></td><td></td><td></td><td></td></geographical>	Conditions>	-		,					
Location						f Surrounding		ns at	
on flat land	on hill	ол s			East	South	West		
<u> </u>		<u> </u>	West	]	16	18	0		•
Distance from the		2KV Power	Line						
20.0									
Topographical (			extending t	he existing p	power line.				
Flat	Sione	Steep					-		
Annual Mean R		L						:	
300	(usm)								

<del></del>		10				Anfriou	na		
No.		Douar					ne 3	<del></del>	Amizmiz
C.R.	32	L	A7	gour		Cercle	ارا	<u> </u>	/11111/1111/L
Location	·			,,,	316	72.	17	Altitude	1,720 (m)
Latitude	N3I	111	25"	Longitude	W8	55.		LL	
Households and					idential Are	à	1	Access (kn	· · · · · · · · · · · · · · · · · · ·
	Yr 1996	Yr 2010		Fragments	1	·		Pist	2.5 (km)
Households	60	71		E-W		(m)		Path Path	7.0 (km)
Pepulation	120	145		N-S	450	(m)	}	Total	9.5 (km)
Public									
Facilities				chools (20	10)	Mosq		1	
	ools (1996)								
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2) 80	1	
. 1	1	60	L <u></u>	<u> </u>	72	1			
First A			halls		ratives	Wareh		ŀ	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	1	
0	0	0	0	0	0	0	0	]	
Commerce & li	ndustries			<b></b>					
Stor	es	Bute	hers	<u> </u>		Floor mills	<del></del>	ا	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
1	10	0	0	0	0	0	0	0	
Electric Article	s held by Vill	agers at Pre	sent (only	operated by	electricity o	of battery, dry	cell, & go	enerator)	
<del></del>	Lights	TV Set	Radio	Air Con.	Retrige.	Others	]		
Nmbrs	0.00	0.43	1.00	0.00	0.00	0.00	(/househo	ld)	
Utilization	#DIV/0!	3.33	4.17	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		_
Electric Article	s desired by	Villagers in	Future	<b></b>	L				
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	4.43	0.71	0.86	0.00	0.14	0.00	0.00	(/househol	d) -
Utilization	3.86	5.00	5.40	#DIV/0!	24.00	#DIV/0!	#DIV/0!	(hrs/day)	
Present Expens			L	Pavable Inv	restment an	d Monthly E	opense for	, Electrificat	ion
Treserve species	Monthly	1			Initial	Monthly	ľ		
	Expense				(DH)	(D1I)	ļ		
Fuel	79.0	(DH/house	hold)	Leader	500	35.0	(/househo	ld)	
Flectricity	66.2	(DH/house	=	Villagers	557	39.3	(/househo	1d)	
Total	145.2	(DH/house		L		<u> </u>	,		
Annual Income		3.			Annual Ex	penditure per	Househol	đ	
Agriculture		(DH/house	hold)			(DH/househ			
Livestock		(DH/house				ł	-		
Forestry		(DH/house							
Others	1	(DH/house	-		Annual Sa	ving per Hou	sehold	-	
Total		(DH/house				(DH/househ			
		Leinner	,y			),	•	•	
<geographical< td=""><td>€onethons&gt;</td><td></td><td></td><td></td><td>Stone (a) a</td><td>f Surroundin</td><td>e Mountai</td><td>ns at</td><td></td></geographical<>	€onethons>				Stone (a) a	f Surroundin	e Mountai	ns at	
Location	en hill	000	lope	1	East	South	West	i	
on flat land	en min	1 - + 0113	East	1	0	18	7	ł	
Diameter Co	Alex Collection - C	214/02/10	L	J	<u> </u>	L	<del></del>		
Distance from		CAN FUNC	LUIC						
Topographical	(km)	'n soar be-	and and law	tha existina	naves lina				
			exicomog. 1	me e cisting	ponci mic.				-
Flat	Slope	Steep	1						
L		1	j				-		
Annual Mean I									
500	)](nm)								

No.	590	Douar	Γ			Ait Sm	il	<del></del>	
C.R.	33		Dar	Jamaa		Cercle	3	T	Amizmiz
Location	L	L					l	L	······
Latitude	N31	14	5*	Longitude	W8	21	3"	Altitude	1,040 (m)
Households and	Population	<b>1</b>	J		idential Are		L	Access (km	
	Yr 1996	Yr 2010		Fragments		<u> </u>	1	Pist	1.0 (km)
Households	150	178		E-W		(m)	1	Path	1.5 (km)
Population	1,400	1,694		N-S	700	(m)	1	Total	2.5 (km)
Public	l	L	,	L	<b>!</b>	<u> </u>	3	L	7
Facilities									
Sch	ools (1996)		So	chools (20	10)	Mosq	ues	1	
Nimbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	1	
2	6	150	2	- 6	182	3	200	ĺ	
First A	\ids	Public	halls	Coope	ratives	Wareho	ouses	1	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	[	
0	0	0	0	2	100	0	0	[	
Commerce & Ir	ndustries	<del></del>		<del></del>		·			
Store	es	Butc	hers .	<u> </u>		flour mills			
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
7	50	0	0	0	Ö	0	0	0	
Electric Article	s held by Vill	agers at Pre	sent (only	operated by	electricity o	i battery, dry	-cell, & g	enerator)	
	Lights	1 V Set	Radio	Air Con.	Refrige.	Others			
Nmbrs	0.60	0.76	1.29	0.00	0.00	0.10	(/househo	ld)	
Utilization	#DIV/0!	4.73	7.12	#DIV/0!	#DIY/0!	1.00	(brs/day)		
Electric Article	s desired by	/illagers in	Future	L	i		• • • •	-	•
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	6.05	1,19	1.48	0.05	0.29	0.05	0.14	(/household	)
Utilization	4.43	5.42	7.05	20.00	24.00	3.00	1.60	(hrs/day)	
Present Expens	e for Energy	l		Payable Inv	restment and	Monthly Ex	pense for	Electrification	ρg
	Monthly	}		<u> </u>	Initial	Monthly			
	Expense				(DH)	(DH)		•	
Fuel	178.7	(DH/house	hefd)	Leader	1,000	50.0	(/househo	ld) ·	
Electricity	94.3	(DH/house	hold)	Villagers	776	76.9	(/househo	td)	
Total	273.0	(DH/house	hold)	<b></b>			•		
Annual Income	per Househo	id		-	Annual Exp	penditure per	Househol	đ	
Agriculture	5,029	(DIL/house	hold)	:	10,234	(DH/househo	old)		
Livestock	9,939	(DH/house	hold)						
Forestry		(DHI house					•		
Others		(DHVhouse			Annual Sav	ing per Hous	schold		-
Total	20,467	(DH/house	hold)		10,233	(DH/househo	old)		
<geographical< td=""><td>Conditions&gt;</td><td>•</td><td></td><td>'</td><td></td><td></td><td></td><td></td><td></td></geographical<>	Conditions>	•		'					
Location				_	Slope (o) of	f Surrounding	g Mountai	ns at	
on flat land	on hill	on s	lope		East	South	West		
			North	]	0	25	0		
Distance from t		2kV Power	Line	- '				•	
4.0	(km)								
Topographical	Condition of	Rout when	extending t	he existing	power line.				
Flat	Slope	Steep							•
*									:
Annual Mean F	_		•						
400	(mm)								
	-								

No.	600	Douar				Tifratio	è		7
No.	33	LOUNT	Dar	Jamaa	—Т	Cercle	31		Amizmiz
C.R.	33		<u>.</u>	7411100	I			L	· · · · · · · · · · · · · · · · · · ·
Location	N31	17	14"	Longitude	W8	20	46"	Altitude	810 (m)
Latitude		l			dential Area		لسسسسا	Access (kr	
Households and	Yr 1996	Yr 2010		Fragments	1			Pist	3.6 (km)
<u> </u>	80	95		E-W	3,000	(m)		Path	0.0 (km)
Households		726		N-S	2,000			Total	3.6 (km)
Population	600	/20				()		L	
Public Facilities									
	ools (1996)		Sc	hools (20)	10)	Mosq	ues	l	
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	1	
1	2	100	1	2	120	1	200	1	
First A	L	l	c halls	Coope	ratives	Wareho	ouses -	<b>,</b>	
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	0	0	1	
Commerce & D		L	L	1	1	L		•	
Stor		Bute	ners	T	<del></del> i	Flour mills		]	· •
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	
3	9	0	0	0	ō	0	0	0	I
Electric Article	s held by Vil		sent (only	operated by	electricity o	f battery, dry	cell, & go	enerator)	
T.Icetile Milke	Lights	TV Set	Radio	Air Con.	Refrige.	Others	1		
Nmbrs	0.00	0.58	0.83	0.00	0.00	0.00	(/househo	ld)	•
Utilization	#DIV/0!	3.71	5.44	#DIV/0!	#DIV/0!	#DIV/0!	(brs/day)		
Electric Article		1		L	L	<del>_</del>	•		
Electric Attack	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others	1	
Nmbrs	6.17	1.00	1.42	0.08	0.17	0.00	0.25	(/househol	ld)
Utilization	3.75	5.45	7.08	24.00	24.00	#DIV/0!	#DIV/0!	(hrs/day)	
Present Expens	1		L		estment and	Monthly E	pense for	Electrificat	lion
Tresent Expens	Monthly	1		r	Initial	Monthly	1		
	Expense				(OH)	(DH)			
Fuel	124.3	(DH/house	hold)	Leader	1,000	109.0	(/househo	ld)	
Electricity	107.8	(D) Vhouse	hold)	Villagers	763	54.6	(/househo	id)	•
Total	232.0	(DH/house			<u> </u>		•		
Annual Income			-			penditure per		d	-
Agriculture	2,881	(DH/house	hold)		12,571	(DIVhouseh	old)		
Livestock		(DH/house				•	-		
Forestry		DH/house							-
Others	4,042	(DH/house	ehold)			ving per Hou			
<u>Fotal</u>	22,443	(DH/house	ehold)		9,872	[(DH/househ	ાડીડ)		
<geographical< td=""><td></td><td>_1</td><td></td><td>•</td><td></td><td>-</td><td></td><td></td><td></td></geographical<>		_1		•		-			
Location					Slope (o) o	f Surroundin		ins at	
on that land	on hill	on:	slope	]	East	South	West	1	-
*	<u> </u>	1			0	0	0	]	
Distance from	the Existing	22kV Powe	r Line	_					
7.5	[(km)								
Topographical	Condition of	Rout when	extending	the existing	power line.				
Flat	Slope	Steep	]						
*	1		]						
Annual Mean	Rainfall		_			•			
	)](mm)								
L									

No.	610	Douar	1		~	Aguen	<u> </u>			
C.R.	33	L	Dar	Jamaa		Cercle	1 3	]	Amizo	niz
Location	L	L		-				J		
Latitude	N31	17	14'	Longitude	W8	22	1 3	Altitude	<u> </u>	20 (m)
Households and	<u> </u>	l	ı <u></u> .		idential Ar		l	Access (k		16
	Yr 1996	Υτ 2010	1	Fragments		T	1	Pist		3.7 (km)
Households	20	24	1	E-W	<del>   </del>	(m)	1	Path		).0 (km)
Population	200	242	<b>{</b>	N-S		(m)	1	Total		3.7 (km)
Public		L	į	1		1(117)	J	Liotat	<u> </u>	5.7 (Kii)
Facilities										
	xels (1996)		S	chools (20	10)	Mose	iues	1		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nimbrs	(m2)	ĺ		
1		30	1	1	36	1	100	ł	-	
First A	ids	Li	c halls	Coope	ratives	Wareh		ł		
Nmbrs	(m2)	Nmbrs	(m2)	Nmors	(m2)	Nmbrs	(m2)	ł		
0	0	0	0	0	0	0	0	ĺ		
Commerce & In	l <b>~</b>	L		l	L	l	l	J		
Store		Bute	hers	ſ		Flour mills			1	
Nmbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)		
0	0	0	0	0	0	0	0	(kg/day)		
Electric Articles	-			_	_	-		_	}	
Liceate Atticles	Lights	TV Set	Radio	Air Con.	Refrige.	Others	r-cen, ee ge	netator)		
Nmbcs	0.00	0.63	1.13	0,00			//hanat -	i. Em		
Utilization	#DIV/0!	4.25	7.00	#DiV/0!	0.00 #DIV/0!	0.13	(/househo	10)		
Electric Articles			-	#D1Y/0!	#DIV/U!	2.00	(hrs/day)			
Clecule Affices				1 A :- C	n.et-	Bi		1		
Nobrs	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others			
	8.63	(.13	1.50	0.00	0.13	0.00	0.13	(/housebol	(d)	
Utilization	4.13	6,00	7.25	#DJV/0!	24.00	#DIV/0!	2.00	(hrs/day)		
Present Expense		i		rayanie inv		i Monthly Ex	pense for i	Electrificat	noi.	
	Monthly Expense				Initial	Monthly			•	
Fuel		/DUS	hald)	1 00 100	(DH)	(DH)	//	1.15		
Electricity	153.8 99.1	(DH/housel		Leader	1,000		(/househo)	-		
Total	252.9	(DH/house)		Villagers	938	65.0	(/hovseho	ia)	_	
Annual Income		(DH/house)	iotu)		A 1 P					
Agriculture			catal)	í		cenditure per		,		
Livestock		(DH/house) (DH/house)		1	13,4/3	(DH/househo	21 <b>a)</b>	-		
Forestry		(DH/house)								-
Others		(DH/house)	•		Annu-1 0	ina no Mo	املماند	÷		
Total			•			ing per Hous				
I I		(DII/house)	wa)	· l	12,260	(DH/househo	oid)			
<geographical c<="" td=""><td><anomination></anomination></td><td></td><td></td><td></td><td>Class / No</td><td></td><td></td><td></td><td></td><td></td></geographical>	<anomination></anomination>				Class / No					
Location on flat land	on hill				~	Surrounding		is at		
CIL HACIABO	OH BH	on st	ope	,	East	South	West			
Distance from the	N Co lection 2	1.1/ 0		l	0	0	0			
Distance from th		kv roweri	Line			-		-		
8.5)										
Topographical C			xtending th	ie existing p	ower line.		-	-		
Fiat	Slope	Steep								-
<u></u>										
Annual Mean Ra										
300 (	mm)									

No.	620	Doear			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Itit Bara	gha		
C.R.	33		Dar	Jamaa		Cercle	3	/	Amizmiz
Location		L				<u> </u>	L	L	
Latitude	N31	15'	57°	Longitude	W8	20'	57 ⁴	Altitude	850 (m)
Households and		L	I	Size of Res	l 1	[	L	Access (km	
	Yr 1996	Yr 2010		Fragments	1		1	Pist	1.7 (km)
Households	35	42		E-W	1,150	(m)		Path	0.3 (km)
Population	250	302		N-S	1,150			Total	· 2.0 (km)
Public		L,	f		l	<u>`</u>		L	, <u>F</u>
Facilities									
Scho	ools (1996)		So	hools (20)	10)	Mosq	ues		
Nmbrs	Classes	(m2)	Nrnbrs	Classes	(m2)	Nmbrs	(m2)		
0	0	0	0	0	0	i	100		
First A	lids	Public	halls	Coope	ratives	Wareho	ouses		
Nmbrs	(m2)	Nmbrs	(n ₁ 2)	Nmbrs	(m2)	Nmbrs	(m2)	] ·	
0	0	0	0	0	0	0	0	]	
Commerce & Ir	rdustries								
Store	ės .	Bute				Flour mills			
Nmbrs	(m2)	Nmbrs	(ถา2)	Diesel	Hyd.	Animal	Total	(kg/day)	
ı	20	0	0		0	Ō	<u> </u>	800	
Electric Article	s held by Vill						r-cell, & g	enerator)	
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	1		
Nmbrs	0.00	1.00	1.20	0.00	0.00	0.00	(/househo	ld)	
Utilization	#DIV/0!	5.20	5.40	#DIV/0!	#DIV/0!	#DIV/0!	(hrs/day)		
Flectric Article					·		,	1	
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others		
Nmbrs	5.80	1.00	1.20	0.00	0.40	0.00	0.40	(/household	1)
Utilization	4.40	8.40	6.80	#DIV/0!	21.00	#D1V/0!		(hrs/day)	_
Present Expense				Payable Inv		d Monthly E	opense for	Electrification	ôn .
	Monthly				Initial	Monthly			
	Expense				(DH)	(DH)	(A. a	14	
Fuel	224.6	(DH/house	-	Leader	3,000		(/househo	•	•
Electricity	94.8	(DH/house		Villagers	950	67.0	(/househo	iu)	
Total	319.4	(DH/house	noid)		115		Ususakat	<b>.</b>	
Annual Income						penditure per (DU/house)		u	
Agriculture		(DH/house		•	22,000	(DH/househousehousehousehousehousehousehouse	VIU)		
Livestock		(DH/house	-			-			
Forestry		(DH/house			Annual Sa	ing per Hous	sehold		
Others Total		(DIL/house (DII/house		ĺ		(DII/househo			
Total		Kringose	aoray		17,170	(DI 0 1/0/03618)	,		-
<geographical< td=""><td>€ opartions&gt;</td><td></td><td></td><td>_</td><td>Stone (a) o</td><td>f Surroundin</td><td>z Mountais</td><td>as at</td><td></td></geographical<>	€ opartions>			_	Stone (a) o	f Surroundin	z Mountais	as at	
Location on flat land	on hill	one	lope	, . 	East	South	West		-
On trat land	OR IIII	- · · · ·		{ ·	0	0	0		
Distance from t	he Existina 2	2kV Power	Line	J	L		<u> </u>	ı	
	lik Existing 2 [(km)	LATIONS							
Topographical ·	pany Condition of	Rout when	extending t	the existing (	power line.				
Flat	Slope	Steep	] .					-	
†   at								•	
Annual Mean F	L Cainfall	I	1					•	
	(mos)								
1 500	l,,								

No.	630 Douar		Agadir Baragha							
C.R.	33		Dar Jamaa		Cercle				mizmiz	
Location	L	·				J	·	<u> </u>	<del></del>	
Latitude	N31	14"	11*	Longitude	W8	20	28"	Altitude	1,070 (m)	
Households and	Population	4			idential Are	E .	1	Access (km)		
	Yr 1996	Yr 2010		Fragments	T	]	1	Pist	2.0 (km)	
Households	40	48		E-W		(m)	İ	Path	0.0 (km)	
Population	300	363		N-S		(m)	1	Total	2.0 (km)	
Public	L	L		L		L`	i	<u> </u>		
Facilities										
Sch			So	hools (20	10)	Mosq	ues	1		
Nmbrs	Classes	(m2)	Nmbrs	Classes	(m2)	Nmbrs	(m2)	1		
I	2	70	1	2	84	i	30			
First A	ids	Public	halls	Coope	ratives	Wareh	ouses	ĺ		
Nmbrs	(m2)	Nmbrs	(m2)	Nmbrs	(m·2)	Nmbrs	(m2)			
0	0	Ö	0	0	0	0	0		. :	
Commerce & Industries										
Store	Butchers		Flour mills							
Nimbrs	(m2)	Nmbrs	(m2)	Diesel	Hyd.	Animal	Total	(kg/day)	•	
0	0	0	0	0	0	0	0	0	-	
Electric Articles	held by Vil	agers at Pre	sent (only	operated by	electricity o	f battery, dry	-cell, & ge	enerator)		
	Lights	TV Set	Radio	Air Con.	Refrige.	Others	) ` `	•		
Nmbrs	0.00	0.63	1.50	0.00	0.00	0.38	(/househo	14)	-	
Utilization	#DIV/0!	5.20	5.75	#DIV/0!	#DIV/0!	2.00	(hrs/day)	,		
Electric Articles desired by Villagers in Future										
	Lights	TV Set	Radio	Air Con.	Refrige.	Heater	Others			
Nobrs	6.75	0.88	1.25	0.13	0.38	0.00	0.50	(/household)		
Utilization	3.75	5.33	7.25	24.00	24.00	#DIV/0!	2.00	(hrs/day)		
Present Expense for Energy Payable Investment and Monthly Expense for Electrification										
	Monthly	l			Initial	Monthly			•	
į ļ	Expense				(DH)	(DH)				
Fuel	166.8	(DH/house	hold)	Leader	560		(/househo	la)	_	
Electricity	105.9	DH/house	hold)	Villagers	650		(/househo	•		
Total	272.6	(DH/house)					,		-	
Annual Income	, , , , , , , , , , , , , , , , , , , ,									
Agriculture		(DH/house)	hold)	1		(DH/househo				
Livestock		(DH/house)		. 1		-	-	-		
Forestry		(Dit/house)	-							
Others	7,038	7,038 (DH/household) Annual Saving per Household								
Total	24,673 (DIt/household) 10,761 (DIt/household)									
<geographical conditions=""></geographical>										
Location					Slope (o) of	Surrounding	Mountair	is at		
on flat land	on hill	on si	ope		East	South	West			
,		I			0	25	0		-	
Distance from the Existing 22kV Power Line										
3.0(km)										
Topographical Condition of Rout when extending the existing power line.										
Ffat	Slope	Steep		J.						
•		<del>-</del>								
Annual Mean R	ainfall									
	(mm <b>)</b>									
L										