# Annex III: District wise Sectoral Energy Consumption

# **Agriculture Sector**

#### Bara

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	0.24	-	-	0.24
Diesel	7.96	35.04	14.19	57.20
Electricity	-	-	-	-
Solar	0.01	-	-	0.01
	8.21	35.04	14.19	57-45

# Large

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	0.2	-	-	0.2
Diesel	2.9	6.6	0.9	10.4
Electricity	-	-	-	-
	3.1	6.6	0.9	10.6

#### Medium

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	4.0	16.4	7.5	27.9
Electricity	-	-	-	-
	4.0	16.4	7.5	27.9

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	1.1	12.0	5.8	18.9
Electricity	-	-	-	-
	1.1	12.0	5.8	18.9

# Dhanusa

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	145.53	28.36	19.68	193.58
Electricity	0.01	-	-	0.01
Solar	-	-	-	-
	145.55	28.36	19.68	193.60

#### Large

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	_	-	-
Diesel	23	2.7	0.46	26
Electricity	0.01	-	-	0.01
	23	2.7	0.46	26

#### Medium

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	113	19	13	146
Electricity	-	-	-	-
	113	19	13	146

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	10	7	6	22
Electricity	0.01	-	-	0.01
	10	7	6	22

#### Mahottari

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	25	-	-	25
Diesel	17	16	3.84	37
Electricity	-	-	-	-
Solar	-	-	-	-
	42.25	15.82	3.84	61.91

# Large

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	-	2.99	0.41	3.40
Electricity	-	-	-	-
	-	2.99	0.41	3.40

# Medium

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	25	-	-	25
Diesel	14	7.32	2.02	23
Electricity	-	-	-	-
	39	7.32	2.02	48

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	3.41	5.51	1.41	10
Electricity	-	-	-	-
	3.41	5.51	1,41	10

#### Parsa

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	42	56	30	128
Electricity	0.04	-	0.10	0.14
Solar	0.05	-	-	0.05
	42.53	56.27	29.66	128.46

# Large

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	_	_	-
Diesel	21	6.5	3.8	31
Electricity	-	-	-	=
	21	6.5	3.8	31

#### Medium

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	11	20	5.15	36
Electricity	-	-	-	-
	11	20	5.15	36

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	11	30	21	61
Electricity	0.04	-	0.10	0.13
	11	30	21	61

#### Rautahat

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	17	54	29	100
Electricity	-	-	-	-
Solar	0.07	-	-	0.07
	17.49	53.65	28.95	100.09

#### Large

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	5.21	16	4.81	26
Electricity	-	-	-	-
	5.21	16	4.81	26

#### Medium

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	8.49	16	8.62	33
Electricity	-	-	-	-
	8.49	16	8.62	33

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	_	-
Diesel	3.7	22	16	41
Electricity	0.0	-	-	0.0
	3.7	22	16	41

# Saptari

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	25.68	6.13	9.96	41.77
Electricity	-	-	-	-
Solar	0.06	-	-	0.06
	25.74	6.13	9.96	41.84

#### Large

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	8.67	-	0.68	9.35
Electricity	-	-	-	-
	8.67	-	0.68	9.35

#### Medium

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	17.01	3.25	7.14	27.40
Electricity	-	-	-	-
	17.01	3.25	7.14	27.40

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	-	2.9	2.1	5.0
Electricity	-	-	-	-
	-	2.9	2.1	5.0

#### Sarlahi

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	47	58	16	121
Electricity	-	-	-	-
Solar	0.08	-	-	0.08
	47.34	57.64	15.64	120.62

# Large

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	13	5.8	1.8	21
Electricity	-	-	-	-
	13	5.8	1.8	21

#### Medium

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	=
Diesel	25	29	8.5	62
Electricity	-	-	-	-
	25	29	8.5	62

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	_	-
Diesel	8.9	23	5.4	38
Electricity	0.0	-	-	0.0
	8.9	23	5.4	38

#### Siraha

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	23	48	15	86
Electricity	-	-	0.01	0.01
Solar	0.03	-	-	0.03
	23.23	47.78	14.62	85.63

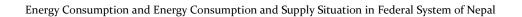
#### Large

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	4.4	4.5	1.4	10
Electricity	-	-	-	-
	4.4	4.5	1.4	10

#### Medium

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	-
Diesel	19	25	6	49
Electricity	-	-	0.0	0.0
	19	25	6	49

(in TJ)	Water pumping	Tilling	Threshing	
Petrol	-	-	-	1
Diesel	-	18	8	26
Electricity	-	-	-	-
	-	18	8	26



Final Report-Province 2

# **Residential Sector**

#### Bara Urban

(* TTV)	<i>a</i> 1:	Water	Space	Space	r . 1	Electrical	Animal feed	Agro and food	Social	
(in TJ)	Cooking	boiling	heating	Cooling	Lighting	Appliances	preparation	processing	events	
Wood	1,921	0.40	-	-	-	-	21	-	3.10	1,945
Agricultural residue	106	-	-	-	-	-	12	-	-	118
Animal waste	81	-	-	-	-	-	18	-	-	99
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	13	-	-	-	-	13
LPG	<sup>2</sup> 54	0.50	-	-	-	-	13	-	34	301
Electricity	-	-	1.40	123	18	16	-	-	-	158
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	2,362	1.00	1.40	123	31	16	64	-	37	2,635

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	921	0.30	7.70	-	-	-	17	-	4.70	950
Agricultural residue	1.70	-	-	-	-	-	-	-	-	1.70
Animal waste	149	-	-	-	-	-	-	-	-	149
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	3.00	-	-	-	-	3.00
LPG	227	-	-	-	-	-	1.80	-	<sup>2</sup> 55	484
Electricity	-	0.30	7.90	83	18	31	-	-	-	141
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	1,298	0.60	16	83	21	31	18	-	260	1,727

#### Dhanusha

#### Urban

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	2,740	-	-	-	-	-	170	-	24	2,934
Agricultural residue	35	-	-	-	-	-	12	-	-	47
Animal waste	<del>7</del> 69	-	-	-	-	-	243	-	-	1,012
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	8.10	-	-	-	-	8.10
LPG	565	0.30	-	-	-	-	158	-	38	761
Electricity	63	-	-	187	40	37	-	-	-	327
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	1	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	4,172	0.30	-	187	48	37	583	-	62	5,089

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	792	-	-	-	-	-	68	-	3.70	864
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	296	-	-	-	-	-	88	-	-	383
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	102	-	-	-	-	-	57	-	0.50	160
Electricity	3.00	-	-	42	11	2.80	-	-	-	59
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	1	-	1
Solar PV	-	-	-	-	-	-	-	-	-	-
_	1,193	-	-	42	11	2.80	212	-	4.20	1,465

#### Mahottari

#### Urban

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	2,096	-	-	-	-	-	43	-	-	2,138
Agricultural residue	396	-	-	-	-	-	48	-	-	444
Animal waste	721	-	-	-	-	-	118	-	-	839
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	196	-	-	-	-	-	6.40	-	-	202
Electricity	1.40	-	-	185	35	8.40	-	-	-	230
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	3,410	-	-	185	35	8.40	216	-	-	3,854

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	1,046	-	-	-	-	-	23	-	-	1,069
Agricultural residue	22	-	-	-	-	-	8.90	-	-	31
Animal waste	284	-	-	-	-	-	43	-	-	326
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	97	-	-	-	-	-	23	-	-	120
Electricity	0.40	-	-	33	11	3.40	-	-	-	48
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	1,449	-	-	33	11	3.40	97	-	-	1,593

#### Parsa Urban

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	663	-	0.70	-	-	-	9	-	1.30	674
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	34	-	-	-	-	-	2.10	-	-	36
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	0.30	-	-	-	-	0.30
LPG	359	-	3.20	-	-	-	6.40	-	238	606
Electricity	2.80	0.60	80	190	59	75	-	-	-	407
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	1,059	0.60	84	190	59	75	17	-	239	1,723

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	1,353	-	12	-	-	-	32	-	2.10	1,399
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	147	-	-	-	-	-	19	-	63	228
Electricity	2.90	-	-	55	31	26	-	-	-	114
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	6.30	-	-	-	-	6.30
	1,502	-	12	55	37	26	50	-	65	1,747

#### Rautahat Urban

		Water	Space	Space		Electrical	Animal feed	Agro and food	Social	
(in TJ)	Cooking	boiling	heating	Cooling	Lighting	Appliances	preparation	processing	events	
Wood	1,766	-	-	-	-	-	279	-	8.40	2,053
Agricultural residue	625	-	-	-	-	-	126	-	-	751
Animal waste	474	-	-	-	-	-	228	-	-	702
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	35	-	-	-	-	35
LPG	262	-	-	-	-	-	41	-	224	526
Electricity	0.20	-	-	87	19	5.40	-	-	-	112
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	1.50	-	-	-	-	-	-	-	-	1.50
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	3,128	-	-	87	55	5.40	673	-	232	4,180

		Water	Space	Space		Electrical	Animal feed	Agro and food	Social	
(in TJ)	Cooking	boiling	heating	Cooling	Lighting	Appliances	preparation	processing	events	
Wood	160	-	-	-	-	-	19	-	0.90	180
Agricultural residue	67	-	-	-	-	-	22	-	-	89
Animal waste	65	-	-	-	-	-	34	-	-	98
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	2.30	-	-	-	-	2.30
LPG	17	-	-	-	-	-	-	-	7.40	25
Electricity	-	-	-	8.90	1.60	0.40	-	-	-	11
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	309	-	-	8.90	3.90	0.40	75	-	8.30	405

Saptari Urban

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	875	-	-	-	-	-	-	-	19	894
Agricultural residue	402	-	-	-	-	-	-	1.40	-	403
Animal waste	474	-	-	-	-	-	-	-	-	474
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	1.00	-	-	-	-	-	-	-	-	1.00
LPG	53	-	-	-	-	-	-	-	94	147
Electricity	-	-	-	19	106	3.60	-	-	0.10	128
biogas	-	-	-	-	-	-	-	-	0.20	О
briquettes	-	-	-	-	-	-	1.90	-	0.60	2.50
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	1,804	-	-	19	106	3.60	1.90	1.40	114	2,050

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	1,045	-	-	-	-	-	-	-	20	1,065
Agricultural residue	270	-	-	-	-	-	-	-	-	270
Animal waste	281	-	-	-	-	-	-	-	-	281
Coal	5.60	-	-	-	-	-	-	-	-	5.60
kerosene	3.90	-	-	-	-	-	-	-	-	3.90
LPG	48	-	-	-	-	-	2.60	-	21	72
Electricity	-	-	0.40	11	6о	2.60	-	-	-	75
biogas	-	-	-	-	26	-	1.10	-	0.20	28
briquettes	-	-	-	-	-	-	16	-	0.80	17
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	1,652	-	0.40	11	87	2.60	20	-	42	1,815

# Sarlahi

#### Urban

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	1,495	-	-	-	-	-	50	-	12	1,557
Agricultural residue	1,435	-	-	-	-	-	42	-	-	1,478
Animal waste	505	-	-	-	-	-	113	-	-	618
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	39	-	-	-	-	39
LPG	115	-	-	-	-	-	-	-	45	160
Electricity	0.10	-	-	59	17	2,20	-	-	-	78
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.80	-	-	-	-	0.80
	3,551	-	-	59	57	2,20	206	-	57	3,931

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	1,003	-	-	-	-	-	15	-	5.40	1,024
Agricultural residue	799	-	-	-	-	-	7.30	-	-	807
Animal waste	249	-	-	-	-	-	34	-	-	283
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	31	-	-	-	-	31
LPG	66	-	-	-	-	-	-	-	22	88
Electricity	-	-	-	23	8.80	0.80	-	-	-	33
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.30	-	-	-	-	0.30
	2,118	-	-	23	40	0.80	56	-	27	2,264

# Siraha

#### Urban

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	1,311	-	-	-	-	-	-	-	-	1,311
Agricultural residue	24	-	-	-	-	-	-	-	-	24
Animal waste	1,172	-	-	-	-	-	-	-	-	1,172
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	0.60	-	-	-	5.30	-	-	-	-	5.90
LPG	278	0.70	-	-	-	-	-	-	-	279
Electricity	0.20	-	-	70	19	15	-	-	-	104
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	2,786	0.70	-	70	25	15	-	-	-	2,896

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	824	0.70	-	-	-	-	-	-	-	825
Agricultural residue	639	0.50	-	-	-	-	-	-	-	639
Animal waste	304	0.30	-	-	-	-	-	-	-	305
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	8.20	-	-	-	-	8.20
LPG	62	0.10	-	-	-	-	-	-	-	62
Electricity	-	-	-	24	9.10	1.20	-	-	-	34
biogas	0.20	-	-	-	-	-	-	-	-	0.20
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	1,830	1.60	-	24	17	1,20	-	-	-	1,874

# **Commercial Sector**

Bara Trade and retails

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Social events	
Wood	1.84	-	-	-	-	-	-	1.84
Agricultural residue	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-
LPG	2.03	-	-	-	-	-	-	2.03
Electricity	-	-	-	3.56	3.46	2.33	-	9.35
biogas	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
	3.86	-	-	3.56	3.46	2.33	-	13

#### Accommodation and food

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	6.22	-	-	-	-	-	-	-	-	6.22
Electricity	-	-	-	0.35	0.17	1.48	-	-	-	2,00
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	6.22	-	-	0.35	0.17	1.48	-	-	-	8.23

# Financial and Real Estate

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparatio n	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	0.55	11	0.84	3.51	-	-	-	15
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	0.55	11	0.84	3.51	-	-	-	15

#### Social Services

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	0.09	-	-	-	-	-	-	-	-	0.09
Electricity	-	-	-	16	3.60	21	-	-	-	41
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	1	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	0.09	-	-	16	3.60	21	-	-	-	41

#### **Other Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	8.40	2.78	24	-	-	-	35
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	i	-	-	-
Solar thermal	-	-	-	-	-	-	ı	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	8.40	2.78	24	-	-	-	35

#### Dhanusha

#### **Trade and Retails**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	•	-	-	9.37	5.65	7.62	-	-	-	23
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	9.37	5.65	7.62	-	-	-	23

#### Accommodation and Food

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	ı	-
Agricultural residue	-	-	-	-	-	-	-	-	ı	-
Animal waste	-	-	-	-	-	-	-	-	ı	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	ı	-
LPG	81	0.01	-	-	-	-	-	-	ı	81
Electricity	-	-	-	8.70	1.48	7.68	-	-	ı	18
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	ı	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	81	0.01	-	8.70	1.48	7.68	-	-	-	99

#### Financial and Real Estate

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	0.15	8.88	0.57	3.22	-	-	-	13
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	0.15	8.88	0.57	3.22	1	-	1	13

#### **Social Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	72	0.06	-	-	-	-	-	-	-	72
Electricity	-	-	0.58	129	13	51	-	-	-	193
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	72	0.06	0.58	129	13	51	-	-	-	265

#### Other Services

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	17	3.80	14	-	-	-	34
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	17	3.80	14	-	-	1	34

#### Mahottari

#### **Trade and Retails**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	0.71	-	-	-	-	-	-	-	-	0.71
Electricity	-	0.01	0.07	15	8.77	18	-	-	-	42
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	0.71	0.01	0.07	15	8.77	18	-	-	-	42

#### **Accommodation and Food**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	4.44	0.01	-	-	-	-	-	-	0.04	4.49
Electricity	0.01	-	0.30	1.59	0.92	2.36	-	-	-	5.19
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	4.45	0.01	0.30	1.59	0.92	2.36	•	-	0.04	9.68

# Financial and Real Estate

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	0.43	-	-	-	-	-	-	-	-	0.43
Electricity	0.07	-	0.01	0.61	0.34	0.42	-	-	-	1.44
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	0.49	-	0.01	0.61	0.34	0.42	-	-	-	1.87

#### **Social Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	1.68	-	-	-	-	-	-	-	-	1.68
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	4.63	0.03	-	-	-	-	-	-	-	4.66
Electricity	0.44	0.04	4.13	18	6.43	27	-	-	-	56
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	6.75	0.07	4.13	18	6.43	27	-	-	-	62

#### Final Report-Province 2

#### **Other Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	0.47	-	-	-	-	-	-	-	-	0.47
Electricity	-	-	0.03	0.86	0.28	2.36	-	-	-	3.53
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	0.47	0.01	0.03	0.86	0.28	2.36	-	-	-	4.01

Parsa Trade and Retails

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	9.43	5.45	9.02	-	-	-	24
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	9.43	5.45	9.02	-	-	-	24

#### **Accommodation and Food**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	0.07	-	-	-	-	-	-	-	-	0.07
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	0.48	-	-	-	-	-	-	-	-	0.48
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	13	-	-	-	-	-	-	-	-	13
Electricity	0.03	0.02	0.16	1.91	1.78	14	-	-	-	18
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	14	0.02	0.16	1.91	1.78	14	-	-	-	32

# Financial and Real Estate

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	0.47	-	-	-	-	-	-	-	-	0.47
Electricity	-	-	1.02	3.43	0.79	1.62	-	-	-	6.86
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	0.47	-	1.02	3.43	0.79	1.62	-	-	-	7.33

#### **Social Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	20	0.06	-	-	-	-	-	-	-	20
Electricity	-	-	4.46	119	15	24	-	-	-	162
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	20	0.06	4.46	119	15	24	-	-	-	183

#### Final Report-Province 2

#### **Other Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	15	4.57	50	-	-	-	69
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	15	4.57	50	-	-	-	69

Rautahat

#### **Trade and Retails**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	1.25	5.81	268	-	-	-	275
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	1.25	5.81	268	-	-	-	275

#### **Accommodation and Food**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	11	-	-	-	-	-	-	-	-	11
Electricity	-	-	0.08	1.65	1,26	12	-	-	-	15
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	11	-	0.08	1.65	1,26	12	-	-	-	26

# Financial and Real Estate

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	2.10	21	3.10	9.42	-	-	-	35
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	2.10	21	3.10	9.42	-	-	-	35

#### **Social Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	-	4.33	3.49	-	-	-	7.82
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	4.33	3.49	-	-	-	7.82

#### **Other Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	0.20	-	-	-	-	-	-	-	-	0.20
Electricity	-	-	0.09	0.28	0.19	1,42	-	-	-	1.99
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	0.20	-	0.09	0.28	0.19	1,42	-	-	-	2.19

# Saptari

#### **Trade and Retails**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	7.81	3.56	5.31	-	-	-	17
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	7.81	3.56	5.31	-	-	-	17

#### **Accommodation and Food**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-		-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	0.61	0.19	2.83	-	-	-	3.64
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	ı	0.61	0.19	2.83	-	-	-	3.64

# Financial and Real Estate

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	3.29	2.35	38	-	-	-	44
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	3.29	2.35	38	-	-	-	44

#### **Social Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	0.01	-	5.57	2.94	8.77	-	-	-	17
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	0.01	-	5.57	2.94	8.77	-	-	-	17

## **Other Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	15	0.10	-	46	14	81	-	-	-	156
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	15	0.10	-	46	14	81	-	-	-	156

## Sarlahi

## **Trade and Retails**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	9.05	9.09	2.38	-	-	-	21
biogas	-	-	-	-	0.08	-	-	-	-	0.08
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	9.05	9.18	2.38	-	-	-	21

## **Accommodation and Food**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	12	0.03	0.05	-	-	-	-	-	-	12
Electricity	-	-	-	3.93	1.55	9.12	-	-	-	15
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	12	0.03	0.05	3.93	1.55	9.12	1	-	ı	26

# Financial and Real Estate

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	-	7.53	1.58	4.26	-	-	-	13
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	-	7.53	1.58	4.26	-	-	-	13

#### **Social Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	-	-	-	-	-	-	-	-	-	-
Electricity	-	-	0.06	25	9.70	59	-	-	-	94
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	-	-	0.06	25	9.70	59	-	-	-	94

## **Other Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	14	-	-	-	-	-	-	-	-	14
Electricity	-	-	0.03	22	10	14	-	-	-	46
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	14	-	0.03	22	10	14	-	-	ı	6о

Siraha Trade and Retails

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	28	-	-	-	-	-	-	-	-	28
Electricity	0.01	0.03	0.20	12	7.20	2.92	-	-	-	22
biogas	0.06	-	-	-	-	-	-	-	-	0.06
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	28	0.03	0.20	12	7.20	2.92	-	-	-	50

## **Accommodation and Food**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	0.69	0.01	-	-	-	-	-	-	-	0.69
Electricity	-	0.03	0.18	2.61	1.53	2,44	-	-	-	6.79
biogas	-	-	-	-	-	-	-	-	-	-
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	0.69	0.04	0.18	2.61	1.53	2,44	-	-	-	7.48

# Financial and Real Estate

		Water	Space	Space		Electrical	Animal feed	Agro and food	Social	
(in TJ)	Cooking	boiling	heating	Cooling	Lighting	Appliances	preparation	processing	events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	17	-	-	-	-	-	-	-	-	17
Electricity	-	0.20	8.81	100	16	54	-	-	-	179
biogas	0.04	-	-	-	-	-	-	-	-	0.04
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	17	0.20	8.81	100	16	54	-	-	-	196

#### **Social services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	-	-	-	-	-
Agricultural residue	-	-	-	-	-	-	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	-	-
LPG	14	0.05	-	-	-	-	-	-	-	14
Electricity	-	0.20	1,61	61	28	20	-	-	-	112
biogas	0.03	-	-	-	-	-	-	-	-	0.03
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	14	0.25	1.61	61	28	20	-	-	-	125

## **Other Services**

(in TJ)	Cooking	Water boiling	Space heating	Space Cooling	Lighting	Electrical Appliances	Animal feed preparation	Agro and food processing	Social events	
Wood	-	-	-	-	-	=	-	-	=	-
Agricultural residue	-	-	-	-	-	=	-	-	-	-
Animal waste	-	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-	-
kerosene	-	-	-	-	-	-	-	-	_	-
LPG	2.86	-	-	-	-	-	-	-	-	2.86
Electricity	-	0.03	0.80	7.29	2.85	5.15	-	-	-	16.12
biogas	0.01	-	-	-	-	-	-	-	-	0.01
briquettes	-	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-	-	-
	2.87	0.03	0.80	7.29	2.85	5.15	-	-	-	18.99

# **Industrial Sector**

## Bara

(in TJ)	Wood	Agricultural residue	Coal	Diesel	Gasoline	Furnace oil	Electricity	Total
Food Beverage and Tobacco	-	232	-	5.53	-	-	11	248
Textile and Leather Goods	-	-	-	128	-	-	9.58	137
Chemical Rubber and Plastic	-	80	5.14	54	-	104	12	256
Mechanical Engineering and Manufacturing	-	-	77	117	-	1,324	1,154	2,672
Electrical Engineering Products	-	-	-	-	-	-	-	-
Wood Products and Paper	-	-	-	1.27	-	-	2.23	3.51
Bricks & Structural Clay Products	-	28	154	16	-	-	2.04	201
Other Manufacturing	-	-	-	3.19	-	-	19	22
Total	-	340	237	325	-	1,428	1,210	3,539

(in TJ)	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Food Beverage and Tobacco	-	232	-	16.11	-	248
Textile and Leather Goods	-	-	-	137	-	137
Chemical Rubber and Plastic	-	202	-	53.24	-	256
Mechanical Engineering and Manufacturing	-	-	1,401	1,271	-	2,672
Electrical Engineering Products	-	-	-	-	-	-
Wood Products and Paper	-	-	-	3.51	-	3.51
Bricks & Structural Clay Products	0.01	-	182	18.33	-	201
Other Manufacturing	0.01	-	-	22.35	-	22.36
Total	0.01	434	1,584	1,521	-	3,539

Industrial Food Beverage and Tobacco	Lighting	Boiler	<b>Process Heat</b>	<b>Motive Power</b>	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	232.06	-	-	-	232.06
Coal	=	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	5.54	-	5.54
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	10.57	-	10.57
Total	-	232.06	-	16.11	-	248.16
Industrial Textile and Leather Goods	Lighting	Boiler	<b>Process Heat</b>	<b>Motive Power</b>	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	127.74	-	127.74
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	9.58	-	9.58
Total	-	-	-	137.32	-	137.32
Industrial Chemical Rubber and Plastic	Lighting	Boiler	<b>Process Heat</b>	<b>Motive Power</b>	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	80.26	-	-	-	80.26
Coal	-	5.15	-	-	-	5.15
kerosene	-	-	-	-	-	-
LPG	=	=	-	-	-	=
Diesel	-	11.58	-	42.77	-	54.35
Gasoline	-	-	-	-	-	-
Furnace oil	-	103.79	-	-	-	103.79
Electricity	-	1.63	-	10.47	-	12.10
Total	-	202.41	-	53.24	-	255.65
Industrial Mechanical Engineering and Manufacturing	Lighting	Boiler	<b>Process Heat</b>	<b>Motive Power</b>	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	77.18	-	-	77.18
kerosene	-	-	-	-	-	-
LPG	=	=	-	-	-	=

Diesel	-	-	-	116.64	-	116.64
Furnace oil	-	-	1323.71	- '	-	1323.71
Gasoline	-	-	-	-	-	-
Electricity	-	-	0.54	1153.90	-	1154.44
Total	-	-	1401.43	1270.54	-	2671.96
Industrial Wood Products and Paper	Lighting	Boiler	Process Heat		Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	1.28	-	1.28
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	2.24	-	2.24
Total	-	-	-	3.51	-	3.51
Industrial Bricks & Structural Clay Products	Lighting	Boiler	<b>Process Heat</b>	<b>Motive Power</b>	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	27.85	-	-	27.85
Coal	-	-	154.35	-	-	154.35
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	16.29	-	16.29
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	0.01	-	-	2.04	-	2.05
Total	0.01	-	182.20	18.33	-	200.53
Industrial Other Manufacturing	Lighting	Boiler	Process Heat	<b>Motive Power</b>	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	3.19	-	3.19
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	0.01	-	-	19.16	-	19.17
Total	0.01	-	-	22.35	-	22.36

## Parsa

(in TJ)	Wood	Agricultural residue	Coal	kerosene	LPG	Diesel	Gasoline	Furnace oil	Electricity	Total
Food Beverage and Tobacco	-	-	-	-	-	5.10	-	1.23	11	17
Textile and Leather Goods	-	-	-	-	-	41	-	2.97	20	63
Chemical Rubber and Plastic	-	-	-	-	-	16	-	-	6.96	21
Mechanical Engineering and Manufacturing	-	-	-	-	-	66	-	2,213	10	2,289
Electrical Engineering Products	-	-	-	-	-	-	-	-	-	-
Wood Products and Paper	-	-	-	-	-	-	-	-	5.67	5.67
Bricks & Structural Clay Products	-	25	137	-	-	14	-	-	1.82	178
Other Manufacturing	-	-	-	-	-	18	-	-	9.50	27
Total	-	25	137	-	-	159	-	2,218	64	2,603

(in TJ)	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Food Beverage and Tobacco	-	6.24	4.57	6.01	0.55	17
Textile and Leather Goods	-	20	-	43	0.66	63
Chemical Rubber and Plastic	-	9.35	-	11	1.25	21
Mechanical Engineering and Manufacturing	-	-	2,213	71	4.51	2,289
Electrical Engineering Products	-	-	-	-	-	-
Wood Products and Paper	-	-	-	5.67	-	5.67
Bricks & Structural Clay Products	-	-	162	16	-	178
Other Manufacturing	-	_	4.76	18	4.59	27
Total	-	36	2,385	171	12	2,603

Industrial Food Beverage and Tobacco	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	232.06	-	-	-	232.06
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	5.54	-	5.54
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	10.57	-	10.57
Total	-	232.06	-	16.11	-	248.16
Industrial Textile and Leather Goods	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	127.74	-	127.74
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	9.58	-	9.58
Total	-	-	-	137.32	-	137.32
Industrial Chemical Rubber and Plastic	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	80.26	-	-	i	80.26
Coal	-	5.15	-	-	-	5.15
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-

-	11.58	-	42.77	-	54-35
-	-	-	-	-	-
-	103.79	-	-	-	103.79
-	1.63	-	10.47	-	12.10
-	202.41	-	53-24	-	255.65
Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
-	-	-	-	-	-
-	-	-	-	-	-
-	-	77.18	-	-	77.18
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	116.64	-	116.64
-	-	1323.71	-	-	1323.71
-	-	-	-	-	-
-	-	0.54	1153.90	-	1154.44
-	-	1401.43	1270.54	-	2671.96
Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
_			_		
	-	-	_	-	-
<u> </u>	-	-	-	-	-
-					
	-	-	-	-	-
-	-	-	-	-	-
-					- - -
		- - -	-	- - -	
- - - -	- - - -	- - - -	- - - - 1.28	- - - -	- - - - 1.28
- - - -	- - - - -	- - - - -	- - - - 1.28	- - - - -	- - - - 1.28
- - - - -	- - - - -	- - - - -	- - - - 1.28	- - - - - -	- - - 1.28
- - - - -	- - - - -	- - - - - -	- - - 1.28 - - - 2.24	- - - - - -	- - - 1.28 - - - 2.24
- - - - - -	- - - - - -	- - - - - - -	- - - 1.28 - - - 2.24 3.51	- - - - - - -	- - - 1.28 - - - 2.24
	Lighting	103.79 - 1.63 - 202.41 Lighting Boiler		- 103.79 10.47 - 1.63 - 10.47 - 202.41 - 53.24  Lighting Boiler Process Heat Motive Power	- 103.79

Coal	-	-	154.35	-	-	154.35
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	16.29	-	16.29
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	0.01	-	-	2.04	-	2.05
Total	0.01	-	182.20	18.33	-	200.53
Industrial Other Manufacturing	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	3.19	-	3.19
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	0.01	-	-	19.16	-	19.17
Total	0.01	-	-	22.35	-	22.36

## Dhanusa

(in TJ)	Wood	Agricult ural residue	Coal	kerosene	LPG	Diesel	Gasoline	Furnace oil	Electricit y	Total
Food Beverage and Tobacco	270	-	-	-	49		-	-	9.11	328
Textile and Leather Goods	-	-	-	-	-		-	-	-	-
Chemical Rubber and Plastic	-	-	-	-	-	109	-	-	11	120
Mechanical Engineering and Manufacturing	-	-	-	-	-	18	-	-	11	29
Electrical Engineering Products	-	-	-	-	-	-	-	-	-	-
Wood Products and Paper		-	-	-	-	-	-	-	15	15
Bricks & Structural Clay Products	289	-	2,762	-	-	118	-	-	-	3,170
Other Manufacturing	-	-	-	-	-	-	-	-	10	10
Total	559	-	2,762	-	49	246	-	ı	56	3,672

(in TJ)	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Food Beverage and Tobacco	-	248	71	-	9.11	328
Textile and Leather Goods	-	-	-	-	-	-
Chemical Rubber and Plastic	-	-	11	109	-	120
Mechanical Engineering and Manufacturing	-	-	-	29	-	29
Electrical Engineering Products	-	-	-	-	-	-
Wood Products and Paper	-	-	-	15	-	15
Bricks & Structural Clay Products	-	-	3,051	118	-	3,170
Other Manufacturing	-	-	-	-	10	10
Total	-	248	3,133	272	19	3,672

Industrial Food Beverage and Tobacco	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	248.05	22.05	-	-	270.09
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	48.96	-	-	48.96
Diesel	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	-	9.11	9.11
Total	-	248.05	71.00	-	9.11	328.16
Industrial Chemical Rubber and Plastic	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	109.23	-	109.23
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	10.93	-	-	10.93
Total	-	-	10.93	109.23	-	120.16
Industrial Mechanical Engineering and Manufacturing	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-

Diesel	-	-	-	18.21	-	18.21
Furnace oil	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Electricity	-	-	-	11.20	-	11,20
Total		-	-	29.40	-	29.41
Industrial Wood Products and Paper	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	1	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	1	-
Diesel	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	14.75	1	14.75
Total	. <b>-</b>	-	-	14.75	ı	14.75
Industrial Bricks & Structural Clay Products	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	289.39	-	-	289.39
Agri residue	-	-	-	-	-	-
Coal	-	-	2761.95	-	-	2761.95
kerosene						
REFOREIR	-	-	-	-	-	-
LPG	-	-	-	-	-	-
LPG	-	-	-	-	-	-
LPG Diesel	-	-	-	118.33	-	- 118.33
LPG Diesel Gasoline			- - -	- 118.33 -	-	- 118.33 -
LPG Diesel Gasoline Furnace oil	- - - -	- - -	- - -	- 118.33 - -	- - -	- 118.33 - -
LPG Diesel Gasoline Furnace oil Electricity	- - - -	- - - -	- - - -	- 118.33 - -	- - - -	- 118.33 - -
LPG Diesel Gasoline Furnace oil Electricity Total	- - - - -	- - - -	- - - - - 3051.34	- 118.33 - - - - 118.33	- - - - -	- 118.33 - - - - 3169.67

Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	-	10.29	10.29
Total	-	-	-	-	10.29	10.29

## Mahottari

(in TJ)	Wood	Agricult ural residue	Coal	kerosene	LPG	Diesel	Gasoline	Furnace oil	Electricit y	Total
Food Beverage and Tobacco	3.02	-	-	-	-	-	-	-	2.54	5.56
Textile and Leather Goods	-	-	-	-	-	-	-	-	-	-
Chemical Rubber and Plastic	-	-	-	-	-	-	-	-	-	-
Mechanical Engineering and Manufacturing	-	-	-	-	-	-	-	-	-	-
Electrical Engineering Products	-	-	-	-	-	-	-	-	-	-
Wood Products and Paper	30	-	-	-	-	4.99	-	-	12	47
Bricks & Structural Clay Products	1.51	-	1,186	-	-	346	-	-	0.62	1,534
Other Manufacturing	-	-		-	-	-	-	-	-	-
Total	34	-	1,186	-	-	351	-	-	15	1,587

(in TJ)	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Food Beverage and Tobacco	-	3.02	-	-	2.53	5.56
Textile and Leather Goods	-	-	-	-	ı	-
Chemical Rubber and Plastic	-	-	-	-	ı	-
Mechanical Engineering and Manufacturing	-	-	-	-	ı	-
Electrical Engineering Products	-	-	-	-	ı	-
Wood Products and Paper	-	-	30	4.99	12	47
Bricks & Structural Clay Products	-	-	1,188	346	-	1,534
Other Manufacturing	-	-	-	-	-	-
Total	-	3.02	1,218	351	15	1,587

Industrial Food Beverage and Tobacco	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	3.03	-	-	-	3.03
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	-	2.54	2.54
Total	-	3.03	-	-	2.54	5.57
Industrial Wood Products and Paper	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	30.26	-	-	30.26
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	5.00	-	5.00
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	-	12.00	12.00
Total	-	-	30.26	5.00	12.00	47.26
Industrial Bricks & Structural Clay Products	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	1.51	-	-	1.51
Agri residue	-	-	-	-	-	-
Coal	-	-	1185.93	-	-	1185.93
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-

Diesel	-	-	-	346.00	-	346.00
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	0.62	-	-	0.62
Total	-	-	1188.06	346.00	-	1534.06

## Sarlahi

(in TJ)	Wood	Agricultu ral residue	Coal	kerosene	LPG	Diesel	Gasoline	Furnace oil	Electricit y	Total
Food Beverage and Tobacco	35	217	-	-	-	17	-	1	15	285
Textile and Leather Goods	-	-	-	-	-	-	-	-	1.38	1.38
Chemical Rubber and Plastic	4.18	-	-	-	-	-	-	-	1.38	5.56
Mechanical Engineering and Manufacturing	-	-	-	-	-	-	-	ı	11	11
Electrical Engineering Products	-	-	-	-	-	-	-	-	-	-
Wood Products and Paper	154	-	-	-	-	4.45	-	-	4.91	164
Bricks & Structural Clay Products	38	-	355	-	=	12	-	-	0.21	404
Other Manufacturing	-	-	-	-	-	25	-	I	3.45	29
Total	231	217	355	-	-	59	-	-	38	900

(in TJ)	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Food Beverage and Tobacco	0.02	186	69	30	0.23	285
Textile and Leather Goods	-	-	-	-	1.38	1.38
Chemical Rubber and Plastic	-	-	4.18	1.38	1	5.56
Mechanical Engineering and Manufacturing	-	-	1.65	9.20	-	11
Electrical Engineering Products	-	-	-	-	1	-
Wood Products and Paper	-	154	-	8.96	0.40	164
Bricks & Structural Clay Products	-	-	393	12	0.21	404
Other Manufacturing	-	-	12	17	-	29
Total	0.03	340	479	78	2.23	900

Industrial Food Beverage and Tobacco		Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood		-	34.84	-	-	-	34.84
Agri residue		-	151.19	66.19	-	-	217.38
Coal		-	-	-	-	-	-
kerosene		-	-	-	-	-	-
LPG		-	-	-	-	-	-
Diesel		-	-	-	17.45	-	17.45
Gasoline		-	-	-	-	-	-
Furnace oil		-	-	-	-	-	-
Electricity		0.03	-	2.76	12.37	0.23	15.40
	Total	0.03	186.03	68.95	29.82	0.23	285.07
Industrial Textile and Leather Goods		Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood		-	-	-	-	-	-
Agri residue		-	-	-	-	-	-
Coal		-	-	-	-	-	-
kerosene		-	-	-	-	-	-
LPG		-	-	-	-	-	-
Diesel		-	-	-	-	-	-
Gasoline		-	-	-	-	-	-
Furnace oil		-	-	-	-	-	-
Electricity		-	-	-	-	1.38	1.38
	Total	-	-	-	-	1.38	1.38
Industrial Chemical Rubber and Plastic		Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood		-	-	4.18	-	-	4.18
Agri residue		-	-	-	-	-	-
Coal		-	-	-	-	-	-
kerosene		-	-	-	-	-	-
LPG		-	-	-	-	-	-

- - - 1.38 5.56 Total - - -
- 1.38 5.56 Total - - - -
1.38 5.56 Total - - - -
5.56 Total
Total
- - - -
- - -
-
-
-
-
-
10.87
10.87
Total
154.33
-
-
-
-
4.46
-
-
4.92
163.70
Total
<b>Total</b> 37.61

Coal	-	-	354-94	-	-	354-94
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	11.68	-	11.68
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	-	0.22	0.22
Total	-	-	392.55	11.68	0.22	404.45
Industrial Other Manufacturing	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	11.51	13.81	-	25.31
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	3.45	-	3.45
Total	-	-	11.51	17.26	-	28.77

## Siraha

(in TJ)	Wood	Agricult ural residue	Coal	kerosene	LPG	Diesel	Gasoline	Furnace oil	Electricit y	Total
Food Beverage and Tobacco	-	-	-	-	-	4.78	-	-	14	19
Textile and Leather Goods	-	-	-	-	-	-	-	-	-	-
Chemical Rubber and Plastic	-	-	-	-	-	7.18	-	-	1.99	9.17
Mechanical Engineering and Manufacturing	-	-	-	-	-	-	-	-	-	-
Electrical Engineering Products	-	-	-	-	-	-	-	-	-	-
Wood Products and Paper	-	-	-	-	-	2.693	-	-	2.39	5.08
Bricks & Structural Clay Products	4.89	-	584	-	9.65	37	-	-	-	636
Other Manufacturing	-	-	-	-	-	-	-	-	-	-
Total	4.89	-	584	-	9.65	52	-	-	19	669

(in TJ)	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Food Beverage and Tobacco	-	8.47	-	4.78	5.68	19
Textile and Leather Goods	-	-	-	-	-	-
Chemical Rubber and Plastic	-	-	-	7.18	1.98	9.17
Mechanical Engineering and Manufacturing	-	-	-	-	-	-
Electrical Engineering Products	-	-	-	-	-	-
Wood Products and Paper	-	-	-	2.69	2.39	5.08
Bricks & Structural Clay Products	-	-	600	35.39	-	636
Other Manufacturing	-	-	-	-	-	-
Total	0.01	8.47	600	50	10	669

Industrial Food Beverage and Tobacco	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	26.35	26.35
Coal	-	5.61	-	-	-	5.61
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	-	26.12	26.12
Total	-	5.61	-	-	52.46	58.08
Industrial Wood Products and Paper	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	_
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	-	55.71	55.71
Total	-	-	-	-	55.71	55.71
Industrial Bricks & Structural Clay Products	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	10.54	10.54
Agri residue	-	-	-	-	-	-
Coal	-	-	939.39	-	-	939.39
kerosene	-	-	-	-	-	-

LPG	-	-	-	-	0.62	0.62
Diesel	-	-	13.92	0.01	-	13.94
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	0.01	-	-	-	5.92	5.92
Total	0.01	-	953.31	0.01	17.08	970.42

# Saptari

(in TJ)	Wood	Agricultu ral residue	Coal	kerosene	LPG	Diesel	Gasoline	Furnace oil	Electricit y	Total
Food Beverage and Tobacco	-	26	5.61						26	58
Textile and Leather Goods	-	-	-	-	-	-	-	-	-	-
Chemical Rubber and Plastic	-	-	-	-	-	-	-	-	-	-
Mechanical Engineering and Manufacturing	-	-	-	-	-	-	-	-	-	-
Electrical Engineering Products	-	-	-	-	-	-	-	-	-	-
Wood Products and Paper	-	-	-	-	-	-	-	-	56	56
Bricks & Structural Clay Products	11	-	939	-	0.62	14	-	=	5.92	970
Other Manufacturing		-	-	-	-	-	-	-	-	-
Total	11	26	945	-	0.62	14	-	-	88	1,084

(in TJ)	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Food Beverage and Tobacco	-	5.61			52	58
Textile and Leather Goods	-	-	-	-	-	-
Chemical Rubber and Plastic	-	-	-	-	-	-
Mechanical Engineering and Manufacturing	-	-	-	-	-	-
Electrical Engineering Products	-	-	-	-	-	-
Wood Products and Paper	-	-	-	-	56	56
Bricks & Structural Clay Products	0.01	-	953	0.01	17	970
Other Manufacturing	-	-	-	-	-	-
Total	0.01	5.61	953	0.01	125	1,084

Industrial Food Beverage and Tobacco	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	26.35	26.35
Coal	-	5.61	-	-	-	5.61
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	-	26.12	26,12
Total	-	5.61	-	-	52.46	58.08
Industrial Wood Products and Paper	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	-	55.71	55.71
Total	-	-	-	-	55.71	55.71
Industrial Bricks & Structural Clay Products	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	10.54	10.54
Agri residue	-	-	-	-	-	-
Coal	-	-	939.39	-	-	939.39
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	0.62	0.62

Diesel	-	-	13.92	0.01	-	13.94
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	0.01	-	-	-	5.92	5.92
Total	0.01	-	953.31	0.01	17.08	970.42

## Rautahat

(in TJ)	Wood	Agricultur al residue	Coal	kerosene	LPG	Diesel	Gasoline	Furnace oil	Electricity	Total
Food Beverage and Tobacco	-	215.206	-	-	-	20	-	-	8.65	244
Textile and Leather Goods	-	-	-	-	-	-	-	-	-	-
Chemical Rubber and Plastic	6.08	-	-	-	-	16	-	-	8.71	31
Mechanical Engineering and Manufacturing	-	-	-	-	-	-	-	-	-	-
Electrical Engineering Products	-	-	-	-	-	-	-	-	1.95	1.95
Wood Products and Paper	89	-	-	-	-	1.11	-	-	0.78	91
Bricks & Structural Clay Products	39	-	427	-	-	11	-	-	1.56	478
Other Manufacturing	-	-	-	-	-	-	-	-	-	-
Total	134	215	427	-	-	48	-	-	22	846

(in TJ)	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Food Beverage and Tobacco	-	156	59	29	-	244
Textile and Leather Goods	-	-	-	-	-	-
Chemical Rubber and Plastic	-	-	6.08	25	-	31
Mechanical Engineering and Manufacturing	-	-	-	-	-	-
Electrical Engineering Products	-	-	-	1.95	-	1.95
Wood Products and Paper	-	89	-	1.89	-	91
Bricks & Structural Clay Products	-	-	470	8.03	-	478
Other Manufacturing	-	-	-	-	-	-
Total	-	245	536	65	-	846

Industrial Food Beverage and Tobacco	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	156.02	59.19	-	-	215.21
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	20.11	-	20.11
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	0.01	-	-	8.65	-	8.65
Total	0.01	156.02	59.19	28.76	-	243.97
Industrial Chemical Rubber and Plastic	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	6.09	-	-	6.09
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	15.92	-	15.92
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	8.72	-	8.72
Total	-	-	6.09	24.63	-	30.72
Industrial Electrical Engineering Products	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	-	-	-	-
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-

Diesel	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	1.96	-	1.96
Total	-	-	-	1.96	-	1.96
Industrial Wood Products and Paper	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	88.95	-	-	-	88.95
Agri residue	-	-	-	-	-	-
Coal	-	-	-	-	-	-
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	-	1.12	-	1.12
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	0.78	-	0.78
Total	-	88.95	-	1.90	-	90.85
Industrial Bricks & Structural Clay Products	Lighting	Boiler	Process Heat	Motive Power	Other uses	Total
Wood	-	-	39.23	-	-	39.23
Agri residue	-	-	-	-	-	-
Coal	-	-	426.62	-	-	426.62
kerosene	-	-	-	-	-	-
LPG	-	-	-	-	-	-
Diesel	-	-	4.47	6.48	-	10.95
Gasoline	-	-	-	-	-	-
Furnace oil	-	-	-	-	-	-
Electricity	-	-	-	1.56	-	1.56
Total	-	-	470.33	8.04	-	478.37

				Final Report-Province
$T_{tt}$	onen/	ant Co.	aton	
11	anspo	ort Se	Ctor	

# Annual distance traveled by vehicles under a different category

#### Diesel

		Private	Private	Public Local-	Public Long	
Row Labels	Freight	Institutional	Personal	Short Distance	Distance	Average
Bus	-	10,793	-	62,180	100,400	57,791
Car	-	-	23,657	-	-	23,657
Cargo van	29,250	-	-	-	-	29,250
Jeep	-	26,089	23,621	49,572	55,025	38,577
Microbus	-	-	-	53,003	100,946	76,974
Minibus	-	4,815	14,200	51,316	108,434	44,691
MiniTruck	23,149	-	-	-	-	23,149
Pickup	12,042	-	-	-	-	12,042
Tempo	-	-	5,615	1,050	-	3,333
Tractor	7,535	-	-	-	-	7,535
Truck	18,450	-	-	-	-	18,450
Van	-	14,413	-	33,194	56,863	34,823

#### Petrol

		Private	Private	Public Local-	Public Long	
Row Labels	Freight	Institutional	Personal	Short Distance	Distance	Average
Car	-	2,100	13,725	-	-	7,913
Motorcycle	-	-	9,546	-	-	9,546
Tempo	-	6,503	14,541	1,695	36,093	14,708
Van	-	18,250	16,024	26,860	49,898	27,758

#### Electric

		Private	Private	Public Local-	Public Long	
Row Labels	Freight	Institutional	Personal	Short Distance	Distance	Average
E-rickshaw	-	-	-	61617.7	-	61,618

# Fuel economy of vehicles under a different category Diesel km/lt

		Private	Private	Public Local-Short	Public Long
Row Labels	Freight	Institutional	Personal	Distance	Distance
Bus	-	5	-	5	5
Car	-	-	17	16	10
Cargo Van	14	-	-	-	-
Jeep	-	9	12	11	11
Microbus	-		-	12	11
Minibus	-	6	6	6	9
MiniTruck	7	-	-	-	-
Pickup	11	-	-	-	-
Tempo	-	-	12	15	-
Tractor	6	-	-	-	-
Truck	5	-	-	-	-
Van	-	7	-	14	14

#### Petrol km/lt

P. L. V. L. C. L. P. L. V. P. P. P. L. V. P.							
		Private	Private	Public Local-Short	Public Long		
Row Labels	Freight	Institutional	Personal	Distance	Distance		
Car	-	6	15	15	19		
Motorcycle	-	-	46	-	-		
Tempo	-	20	19	18	19		
Van	-	10	14	13	13		
Electric km/kWh							
E-rickshaw	-	-	-	85	-		

