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MONITORING OF DRUG FLOW IN AFGHANISTAN



United Nations Office on Drugs and Crime, Kabul
Illicit Crop Monitoring Program

1. Introduction

The opium economy in Afghanistan is not only threat to the social and political stability of the country, but also promotes growth of organized criminal and drug trafficking networks with strong links to international criminal networks. The drug trade in Afghanistan is managed based on the production of opiates in Afghanistan and demand for morphine/heroin in international markets.

In order to have an understanding of opiate processing and trafficking within Afghanistan, a monitoring mechanism was set up from March 2007 to July 2007. Drug flow monitoring surveyors were recruited in 5 regions of Afghanistan namely northern, north-eastern, southern, western and eastern regions. Their task was to collate and assess the information about the opiate trafficking routes, entry points of pre-cursor chemicals, drug flow within regions and to neighbouring countries, opium markets, opium processing laboratories, border crossing points etc. The information was collected from both, primary (direct observations) and secondary sources. Surveyors used semi-structured interview techniques with the key informants to collate the required information.

2. Opium markets and processing labs

There is enough evidence to indicate that at least 139 opium markets and 90 heroin/morphine processing labs are operating within the country (Table 1). Detailed list of these markets is provided in annexes A and B.

Table 1: Location of opium market and heroin/morphine processing labs, April 2007

Zone Name	Opium Market	Processing Lab
Central and Eastern	13	25
Northern	37	1
North-eastern	19	19
Southern	26	27
Western	44	18
Total	139	90

The opium markets and laboratories operate in all times in year. The markets consist of 40 main, 80 local and 19 cross-border markets; the laboratories comprise 19 main, 70 local, and 1 cross border heroin/morphine processing labs. The main markets are located in central town of regions while the local markets are located in villages. Cross border opium markets are near to the main border crossing points.



Opium market in Northern Zone

Main players in the running opium market are the influential armed people, local commanders with indirect assistance from corrupt government officials. Processing laboratories and trafficking is controlled by the non-resident drug dealers. Opium industry is often protected through the cooperation from high rank government officials. The workers of these laboratories include trained Afghan nationals and as well as foreigners.

It is noted that morphine/heroin labs have moved inside Afghanistan in remote areas close to main markets. Previously these labs were operating along the borders. Crystal heroin labs are mostly located near to the border points and lawless zones of South, South-West, East and North-East parts of Afghanistan.

The morphine/ heroin production labs need simple equipments such as stove, iron barrel and locally made pressing machines with Jack. Such labs can be established in a small space of 1-2 rooms. Processing labs are hidden with restricted access to the people managing the lab and main market dealers. Mobile processing labs were also observed in east, south and western regions. Such labs are fixed on the back of trucks with large cylindrical containers and gas fire-stoves.



Morphine lab in northern zone

3. Percentage Opium flows

Opium production in Afghanistan increased from 92% of global production in 2006 to 94% in 2007 (Ref: UNODC report on Afghanistan Opium Survey 2007). The drug flow monitoring survey found that there is large scale transportation of opium between eastern, northeastern, southern and western zones. Indicative percentage of opium flows within the zones and as well as out side of the country is summarized below (Table 2).

About 20% and 40% of the total opium production of eastern/central zone goes to north-eastern and southern zones respectively while 40% goes to Pakistan. Northeast zone contribution to the opium trafficking in about 25% to central-eastern zone, 10% to northern zone, 10% to China, 20% Pakistan and 30% to Tajikistan.

Table 2: Opium movement within and out of Afghanistan

Zone Name	Percentage opium flows within the country					Percentage opium flows out of the country					
	Central-East zone	North-east zone	North zone	South zone	West zone	China	Iran	Pakistan	Tajikistan	Turkmenistan	Uzbekistan
Central and East		20		40				40			
North-east	25		10			10		20	30		
North	10			60					10	10	10
South					35		50	15			
West			2				60	10	1	25	1

Large percentage of opium produced in southern and western zones goes to Iran and Pakistan, while the remaining 5% goes from western to northern, and 25% goes to Turkmenistan through the Morichaq and Turghundi border crossing points. Northern zone exports 100% of opium production (10% to eastern, 60% to southern, 10% to Tajikistan, 10% Uzbekistan and 10% to Turkmenistan).

About 70% of the 2006 opium production (4270 mt) was taken to processing labs and 30% (1830 mt) was smuggled to the neighboring countries of Pakistan, Iran and Central Asia.

4. Percentage Morphine/Heroin flows

About 91% heroin/morphine producing in Afghanistan goes out of the country from southwestern, western, east and north-eastern zones to central Asia, Iran and Pakistan and finally reaching the streets of Europe.

The percentages of heroin/morphine flows within the zones and out of the country are summarized below (Table 3):

Table 3: Morphine/heroin flows within and out of Afghanistan

Zone Name	Percentage heroin/morphine flows within the country				Percentage heroin/morphine flows out of the country				
	North-east zone	North zone	South zone	West zone	Iran	Pakistan	Tajikistan	Turkmenistan	Uzbekistan
Central and East	20		40			40			
North-east		10	10	10		30	40		
Northern			30				40	10	20
Southern					90	10			
Western					60	6	4	30	

About 20% and 40% of the total heroin/morphine production of eastern/central zone goes to north-east zone and southern zones respectively and 40% goes to Pakistan. 70% of the product from north-east zone is exported to Pakistan (30%) and Tajikistan (40%). Large percentage of morphine/ heroin producing in central/eastern, southern and western zones go to Iran, Pakistan and Tajikistan, while the remaining goes to Uzbekistan and Turkmenistan through western and northern zones. Southern zone exports 90% of production to Iran and 10% of production to Pakistan. The processed morphine and heroin is smuggled, through the neighboring countries, to South and Central Asia, East and West Europe, as well as to South Asia, the Arabian Peninsula and Africa.

5. Drug Trafficking

The drug trafficking in Afghanistan is managed based on the production of opiates in Afghanistan and demand for morphine/heroin in international markets. The smuggling routes from local storage centers to the main storage centers and to out side of the country often change due to counter narcotics operations along some of the main trafficking routes and at boarder crossings. About 98% opiate production of Afghanistan is exported to Central Asia, Iran and Pakistan and finally reaches the markets in Europe.

There are strong linkages between the international main business groups and the main dealers inside the country. There is active opium trading network operating systematically throughout the year, but more active during the cultivation and harvesting. Drug trafficking from the local and provincial markets to main markets, and finally to border crossing points takes place along remote trafficking routes and main roads. It is indicated that approximately 70% of drug trafficking has been taken place along the main roads, sustained by the strong support and involvement of the governmental authorities.

The trafficking routes, location of the opium markets and processing labs in Afghanistan (2007) is presented in the map. Table 4 provides summary of the findings about trafficking routes, cross-border point locations for opium, heroin, morphine and cannabis.

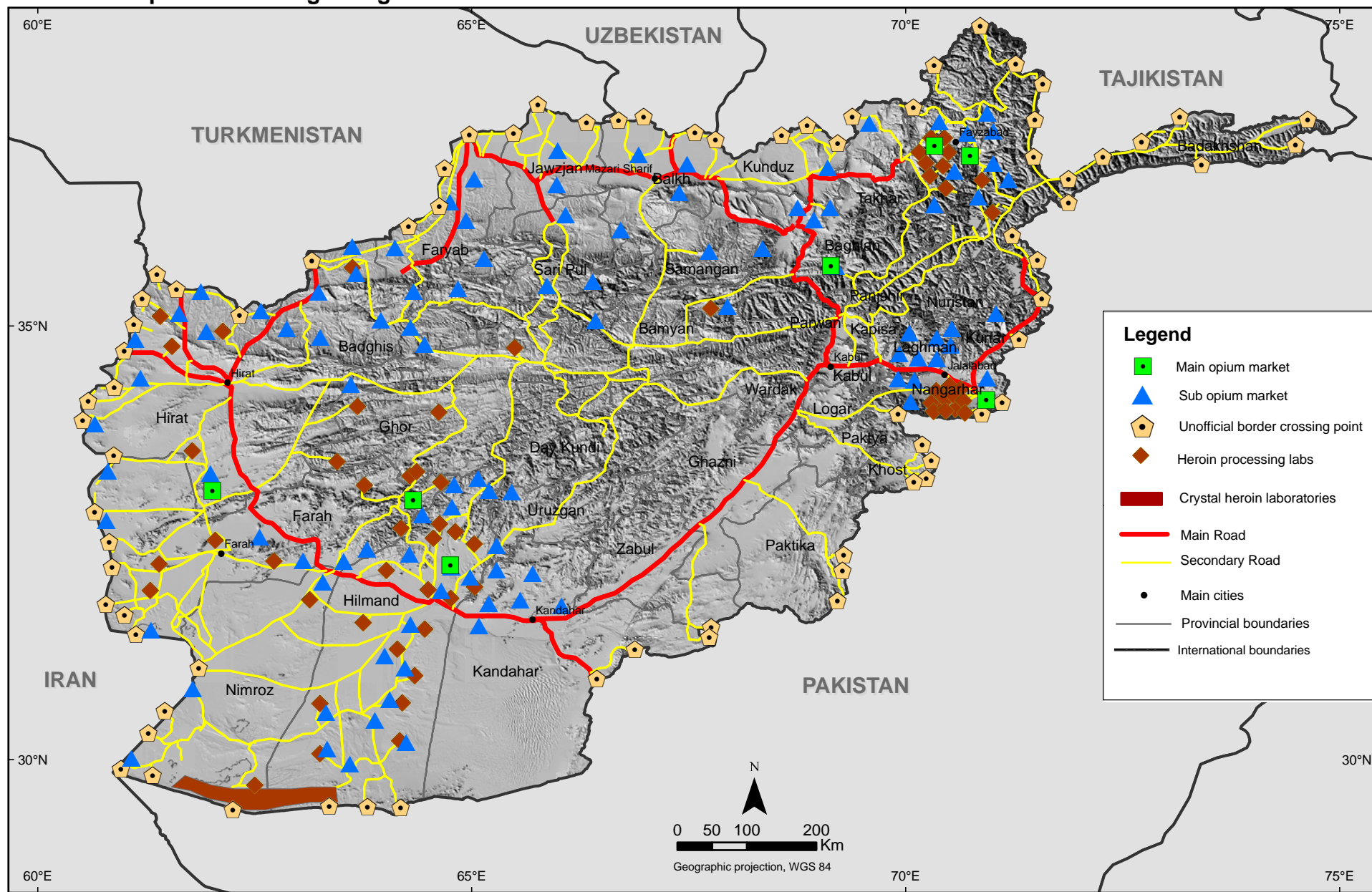
Table 4: Summary of the findings about trafficking routes, cross-border point locations for opium, heroin, morphine and cannabis

Zone Name	Drug Type	Routes	Cross Border Point	Location	Destination
Central and Eastern	Cannabis/ hashish	Nangarhar-Turkham	Turkham	Shinwar	Pakistan
		Nangarhar-Dur Baba	Sasubi Kandow	Nangarhar	Pakistan
		Nangarhar-Paktia- Ali Khel Zazai	Gavey Kandaw	Paktia	Pakistan
	Heroin	By Air	Airport	Kabul	India
		Nangarhar-Kunar	Manogay	Nuristan	North-eastern zone
		Nangarhar-Dur Baba	Sasubi Kandow	Nangarhar	Pakistan
		Nangarhar-Kabul-Nimroz	Karkay	Nimroz	Iran
		Nangarhar-Kunar-Badakhshan	Ghazkhan and Panja	Wakhan	Tajikistan
		Nangarhar-Turkham	Turkham	Nangarhar	Pakistan
	Opium	Jalalabad-Khogyani-Hesarak-Logar	Azra	Logar	Southern zone
		Nangarhar-Dur Baba	Sasubi Kandow	Nangarhar	Pakistan
		Nangarhar-Kunar	Manogay	Nuristan	North-eastern zone
		Nangarhar-Turkham	Turkham	Nangarhar	Pakistan

Zone Name	Drug Type	Routes	Cross Border Point	Location	Destination
North-eastern	Cannabis/hashish	Badakhshan-Takhar	Abiganda	Yangi gala	Tajikistan
		Main Road	Takhar-Baghlan-Parwan	Salang Pass	Central zone
		Main Road	Takhar-Kundoz-Baghlan	Balkh	Northern zone
		Main Road	Takhar-Kundoz-Baghlan-Parwan-kabul	Salang Pass	Southern zone
		Main Road	Takhar-Kundoz-balkh	Hairatan	Uzbekistan
		Secondary Road	Nuristan-Kunar-Nangarhar	Jalalabad	Eastern zone
		Shahsalem-Jalalabad	Broghel	Wakhan	Pakistan
	Heroin	Badakhshan-Takhar	Abiganda	Yangi Qala	Tajikistan
		Main Road	Takhar-Baghlan-Parwan	Salang Pass	Central zone
			Takhar-Kundoz-balkh	Hairatan	Uzbekistan
		Nuristan-Kunar-Nangarhar	Dur Baba	Nangarhar	Pakistan
		Secondary Road	Nuristan-Kunar-Nangarhar	Jalalabad	Eastern zone
		Takhar-Kundoz-Balkh-Jawozjan	Sari Pul	Sayyad	Southern zone
	Morphine	Faizabad-Jurm-Zebak	Shahron	Shighnan	Tajikistan
		Main Road	Takhar-Baghlan_Parwan	Salang Pass	Central zone
		Main Road	Takhar-Kundoz-Baghlan	Balkh	Northern zone
		Main Road	Takhar-Kundoz-balkh	Hairatan	Uzbekistan
		Nuristan-Kunar-Nangarhar	Dur Baba	Nangarhar	Pakistan
		Secondary Road	Nuristan-Kunar-Nangarhar	Jalalabad	Eastern zone
		Takhar-Kundoz-Faryab	Gurziwan	Bilchiragh	Southern zone
	Opium	Faizabad-Jurm-Ishkashim	Tanai Kazdi	Ishkashim	Tajikistan
		Kiran wa MinJan-Zebak-Wakhan	Broghel	Wakhan	Pakistan
		Main Road	Takhar-Kundoz-Baghlan	Balkh	Northern zone
		Main Road	Takhar-Kundoz-Baghlan-Kabul	Kabul	Southern zone
		Main Road	Takhar-Kundoz-balkh	Hairatan	Uzbekistan

Zone Name	Drug Type	Routes	Cross Border Point	Location	Destination
		Secondary Road	Nuristan-Kunar-Nangarhar	Jalalabad	Eastern zone
Northern	Cannabis/hashish	Chahi Qasim	Chahi Qasim	Shirin Tagab	Turkmenistan
		Main Road	Salang Pass	Baghlan	Central zone
		Main Road	Salang Pass	Baghlan	Southern zone
		Tuzluq	Tuzluq	Kaldaar	Uzbekistan
	Heroin	Hairaton	Hairatan	Hairaton	Uzbekistan
		Moorchaq	Moorchaq	Qaysar	Turkmenistan
	Morphine	Secondary Road	Bulkhab	Sari Pul	Southern zone
	Opium	Booz Ariq	Booz Ariq	Shoor Tepa	Uzbekistan
		Main Road	Salang Pass	Baghlan	Central zone
		Main Road	Salang Pass	Baghlan	Eastern zone
Main Road		Salang Pass	Baghlan	Southern zone	
Shoor Darya		Shoor Darya	Dawlat Abad	Turkmenistan	
Southern	Cannabis/hashish	Secondary Road	Bramcha and Rabat	Hilmand (Dihshu)	Iran
	Heroin	Secondary Road	Bramcha and Rabat	Hilmand (Dishu)	Pakistan
Western	Cannabis/hashish	Main Road	Chahi Ganda	Ghuryan (Hirat)	Iran
		Secondary Road	Mari Chaq	Murghab	Turkmenistan
		Secondary Road	Marzi Reg	Hilmand	Pakistan
		Secondary Road	Pasaband-Baghran	Ghor	Southern zone
		Secondary Road	Qala-i- Koh-Bakwa	Farah	Southern zone
	Heroin	Main Road	Dahna-i- Zulfaqar	Gulran (Hirat)	Iran
		Secondary Road	Mari Chaq-MerancZai-Manghan -Bibi Zeyarat	Murghab	Turkmenistan
	Morphine	Main Road	Marzi Shaghali	Lash-wa Juwain (farah)	Iran
		Secondary Road	Mari Chaq-MerancZai-Manghan -Bibi Zeyarat	Murghab	Turkmenistan
		Secondary Road	Qala-i-Koh-Bakwa	Farah	Southern zone
	Opium	Main Road	Danha-i-Zulfaqar	Gulran	Iran
		Secondary Road	Mari Chaq-MerancZai-Manghan -Bibi Zeyarat	Murghab	Turkmenistan
		Secondary Road	Marzi rabati Jahli	Nimroz	Pakistan

Heroin and opium trafficking in Afghanistan

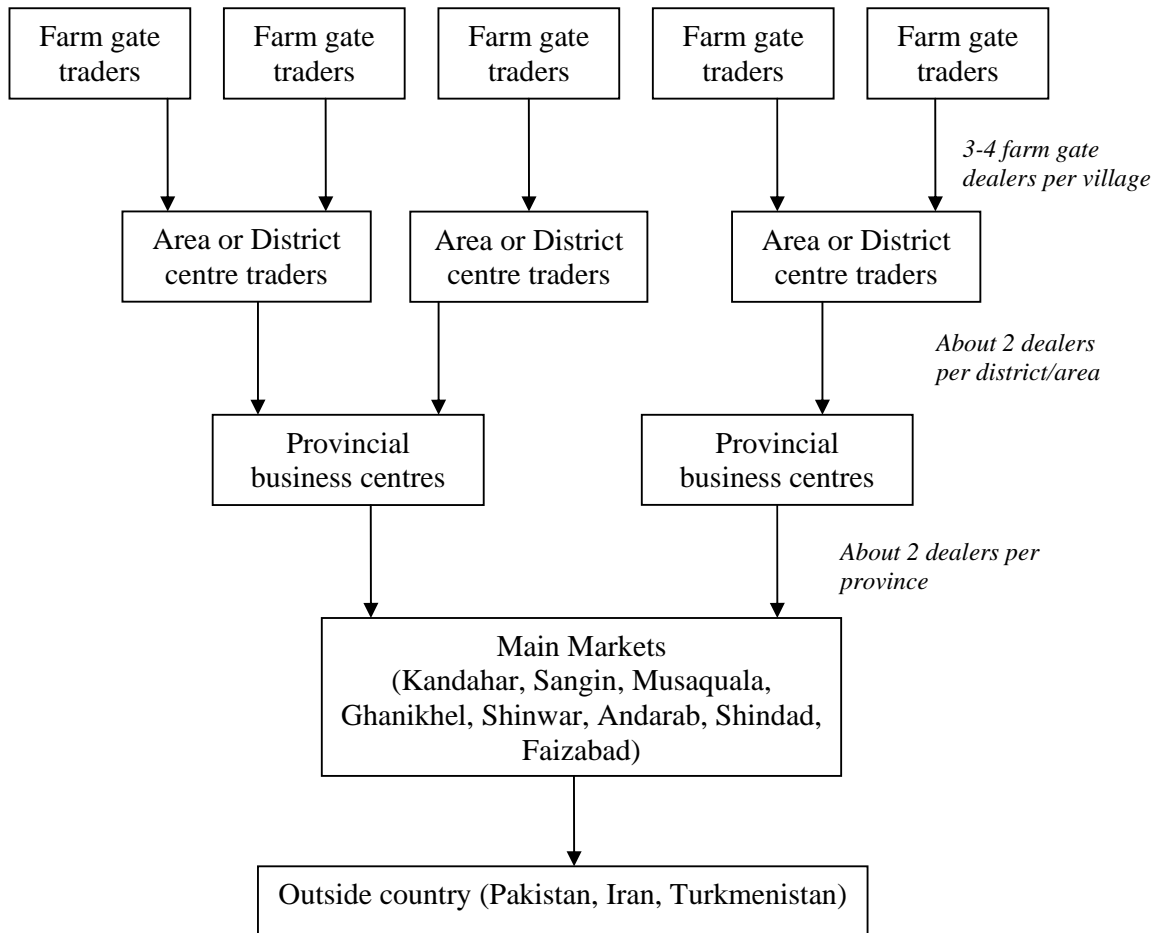


Source: Government of Afghanistan - National monitoring system implemented by UNODC

Note: The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.

6. Drug trade in Afghanistan

There is a strong linkage between the international main business groups and the main dealers inside the country (zonal dealers and farm gate dealers).



The drug traders in Afghanistan can be categorized at four levels based on the area of operation. It is presumed that approximately 105,000 professional drug traders actively functioning in the country.

Farm-gate traders

These traders operate between villages and district centers. These traders have close connections with poppy cultivators in villages. They are mainly from the community and they are approachable by the farmers. In most of the areas especially in north Afghanistan, some traders are working as *Kamishankars*. The *Kamishankars* are the people who collect opium from farmers supply to the district center dealers against the fixed amount of commission.

Area or district centre traders

These traders provides liaison between provincial drug center traders and farm-gate traders. They control the frame-gate trading networks in the villages. They are commonly accessible to farm-gate traders and unknown to community members. Most of them are powerful people of area, specially the local commanders.

Provincial or zonal business center traders

These traders operate from outside of the provinces/zones. They are called zonal market traders and operate as the central person managing the overall drug business in the related province or zone.

Main Market Traders

These traders govern the overall drug business in the country. Main markets are located in Kandahar, Sangin, MUSAQALA, Ghanikhel, Shinwar, Andarab, Shindand and Faizabad. These traders have strong linkages with international trading networks and they are the focal point to facilitate drug trade outside the country.

7. Precursor chemicals and morphine/heroin production process

Precursor chemicals are required for the processing the opium to morphine/heroin. Opium is initially converted into morphine and then it is further purified to produce heroin. Acetic anhydride and ammonium chloride (locally known as *navsagar*) are the main precursor chemicals required for processing of opium to morphine/heroin.

The most important precursor chemical, acetic anhydrite is illegally entering into Afghanistan mainly from Pakistan and Iran. These chemicals are packaged under the brand of machinery oil. These precursors reach to the main processing labs through the liaisons person responsible for each region. Table 5 summarizes the entry points of precursor chemicals in Afghanistan.

Table 5: Entry points of precursor chemicals in Afghanistan

Zone Name	Country	Cross border locations	Province	District	Village
Central and Eastern	Pakistan	Sasobai	Nangarhar	Dur Baba	Dur Baba
	Pakistan	Torkham	Nangarhar	Lal Pur	Tourkham
North-eastern	China	Turkham	Nangarhar	Turkham	Turkham
	India	Turkham	Nangarhar	Turkham	Turkham
	Pakistan	Turkham	Nangarhar	Turkham	Turkham
	Tajikistan	Sherkhan Bandar	Kunduz	Imam Sahib	Sherkhan bandar
Northern	Pakistan	Turkham	Nangarhar	Shinwari	Bander
Southern	Pakistan	Baram Cha and Chatu	Hilmand	Dishu	Barm Cha
	Pakistan	Spin Buldak	Hilmand	Dishu	Buldak
Western	Germany	Turghundi	Hirat	Kohsan	Khushki rabati sangi
	Pakistan	Gala Chah	Hilmand	Dishu	Gala Cha
	Pakistan	Rabati Jahli	Nimroz	Chahar Burjak	Afzal Khan villge
	Pakistan	Spin Boldak	Kabul	Spin Boldak	Chaman



Morphine pack of 1kg

There are few crystal heroin production labs in Afghanistan in the border areas. These are totally hidden. The name, type, price and amount of the main chemicals needed for production of 1 kg of heroin have been summarized in Table 6.

Table 6: Chemicals needed for the production of 1 kg of heroin.

Zone Name	Chemical Name	Chemical Type	Unit	Chemical US\$/Unit	Quantity for production of 1 kg heroin
Central and Eastern	Acetic anhydride	Liquid	Liters	140	3
	Ammonium Chloride	Liquid	Liters	230	3
	Lime	Solid	kg	0.3	21
North-eastern	Acetic anhydride	Liquid	Liters	150	3.5
	Ammonium Chloride	Liquid	Liters	240	3.5
	Lime	Solid	kg	0.4	21
Northern	Acetic anhydride	Liquid	Liters	150	5
	Ammonium Chloride	Liquid	Liters	240	4
	Lime	Solid	kg	0.4	25
Southern	Acetic anhydride	Liquid	Liters	140	2.25
	Ammonium Chloride	Liquid	Liters	230	3.5
	Lime	Solid	kg	0.3	25
Western	Acetic anhydride	Liquid	Liters	140	2.25
	Ammonium Chloride	Liquid	Liters	230	3
	Lime	Solid	kg	0.3	25

Costs of the chemicals in central, eastern, southern and western zone do not differ much since these chemicals illegally enter Afghanistan mainly from Pakistan and Iran border and can easily be transported to these zones. Slight price difference in the northern and northeastern zones is because of high transport cost the southern and western border.

Annex A: Locations of opium markets

Zone Name	Village	District	Province	Cross border	Local	Main	Total
Central and Eastern	Abdul khel	Achin	Nangarhar		1		1
	Asadabad	Center	Kunar		1		1
	Bazari kaga	Khogyani	Nangarhar		1		1
	Chaparhar Mila	Khogyani	Nangarhar		1		1
	Gundomak	Sherzad	Nangarhar		1		1
	Jalalabad	Center	Nangarhar		1		1
	Mela Bazar	Hisarak	Nangarhar		1		1
	Mimla	Khogyani	Nangarhar		1		1
	Mohmandara	Achin	Nangarhar			1	1
	Pachir Wa Agam	Pachir Wa Agam	Nangarhar		1		1
	Rodat Bazar	Rodat	Nangarhar		1		1
	Shadal	Ghani Khel	Nangarhar		1		1
	Toto	Sherzad	Nangarhar		1		1
<i>Central and Eastern Total</i>					12	1	13
North-eastern	Baluch Ha	Rostaq	Takhar			1	1
	Barlasi Chinar	Argu	Badakhshan		1		1
	Center Jurm	Jurm	Badakhshan			1	1
	Chakaran	Warduj	Badakhshan		1		1
	Char Tut	Khanabad	Kunduz			1	1
	Espin Gul	Faizabad	Badakhshan			1	1
	Gulaki	Darayim	Badakhshan		1		1
	Jangal	Yangi Qala	Takhar			1	1
	Jari Shababa	Kishim	Badakhshan			1	1
	Khustak	Jurm	Badakhshan		1		1
	Mungi	Daryem	Badakhshan		1		1
	Muzafari	Tishkan	Badakhshan		1		1
	Nawabad	Drayem	Badakhshan			1	1
	Nem Tala	Daryem	Badakhshan		1		1
	Robati Payan	Baharak	Badakhshan		1		1
	Sari Rostaq	Rostaq	Takhar		1		1
	Shifchan	Jurm	Badakhshan		1		1
Turoq	Argu	Badakhshan			1	1	
Wakhshi	Kishem	Badakhshan			1	1	
<i>North-eastern Total</i>					10	9	19

Zone Name	Village	District	Province	Cross border	Local	Main	Total
Northern	Alam Khel	Balkh	Balkh			1	1
	Aqbalook	Billchiragh	Faryab			1	1
	Aqcha	Aqcha	Jawzjan		1		1
	Arzan kar	Chahar Bolak	Balkh		1		1
	Bandor	Kohistanat	Faryab		1		1
	Barfak	Tala Wa Barfak	Baghlan			1	1
	Bazai balkh	Balkh	Balkh		1		1
	Bazari Sukhta	Dara-I- Sufi Bala	Samangan			1	1
	Biest Paikal	Chahar Bolak	Balkh		1		1
	Buhauddin	Balkh	Balkh			1	1
	Chakanak	Chimtal	Balkh			1	1
	Chalgazay	Qaysar	Faryab		1		1
	Cheroz	Kohistanat	Sari Pul		1		1
	Colomboo	Balkh	Balkh		1		1
	Conter	Balkhab	Sari Pul		1		1
	Deh Salah	Dih Salah	Baghlan			1	1
	Dewalok	Kohistan	Faryab			1	1
	Dokan Shah	Kohistan	Faryab			1	1
	Door Abad	Dawlatabad	Balkh			1	1
	Door Abad	Dawlatabad	Balkh		1		1
	Imam Sahib	Chimtal	Balkh			1	1
	Koolyan	Bilchiragh	Faryab		1		1
	Koozachay	Bilchiragh	Faryab		1		1
	Lawlash	Kohistanat	Faryab		1		1
	Naw Shara	Chimtal	Balkh			1	1
	Pashma Qala	Chimtal	Balkh			1	1
	Puli Hisar	Puli Hisar	Baghlan			1	1
	Qalacha	Balkh	Balkh			1	1
	Qara Qawal	Sayyad	Sari Pul		1		1
	Sarchooka	Gurziwan	Faryab		1		1
	Sardara	Darzob	Faryab			1	1
	Shaakh	Qaysar	Faryab			1	1
Shahri Jadid	Balghlan	Baghlan			1	1	
Tagab Shah	Gorziwan	Faryab			1	1	

Zone Name	Village	District	Province	Cross border	Local	Main	Total
	tarakay	Chimtal	Balkh		1		1
	Temoorak	Chahar Bolak	Balkh			1	1
	Yalmaan	Chahar Bolak	Balkh			1	1
<i>Northern Total</i>					16	21	37
Southern	Azra jee	Dand Wa Patan	Kandahar		1		1
	Barancha Wa Chatu	Dishu	Hilmand		1		1
	Bazzar	Baghni	Hilmand		1		1
	Bazzar	Kajaki	Hilmand		1		1
	Bazzar	Washer	Hilmand		1		1
	Bazzari Hesar	Garmser	Hilmand		1		1
	Bazzari Lakary	Garmser	Hilmand		1		1
	Center	Baghran	Hilmand		1		1
	Center	Chora	Uruzgan		1		1
	Center	Dihrawood	Uruzgan		1		1
	Center	Khakrez	Kandahar		1		1
	Center	Maywand	Kandahar		1		1
	Center	Musa Qala	Hilmand			1	1
	Center	Nad Ali	Hilmand		1		1
	Center	Nawa-i-Barakzayi	Hilmand		1		1
	Center	Reg	Hilmand			1	1
	Center	Sangin	Hilmand			1	1
	Center	Shahidi Hassas	Uruzgan		1		1
	Chaanjir Bazzar	Nad Ali	Hilmand		1		1
	Chinar	Ghorak	Kandahar		1		1
	Dand wagina	Naw Zad	Hilmand		1		1
	Kajwa	Dishu	Hilmand		1		1
	Kohi Malek	Dishu	Hilmand		1		1
Marja loy Hesar	Nad Ali	Hilmand		1		1	
Sanzari	Zheray	Kandahar		1		1	
<i>Southern Total</i>					23	3	26
Western	Ahmad Abad	Kohsan	Hirat		1		1
	Azizi Abad	Shindand	Hirat		1		1
	Barnabad	Ghoryan	Hirat		1		1
	Benyad	Kohsan	Hirat	1			1

Zone Name	Village	District	Province	Cross border	Local	Main	Total
	Chai Ganda	Ghoryan	Hirat	1			1
	Chai Gu gul	Gulran	Hirat	1			1
	Cheshmai Namak	Gulran	Hirat	1			1
	Chil Dokhtaran	Kushki Rabati Sangi	Hirat			1	1
	Dahnai Kaftar Khan	Tulak	Ghor		1		1
	Dahnai Zulfagar	Gulran	Hirat	1			1
	Darai Boom	Murghab	Badghis		1		1
	Darai Takht	Chishti Sharif	Hirat		1		1
	Firoz Abad	Center (Phase-3)	Hirat				1
	Ghazal Islam	Kohsan	Hirat	1	1		1
	Hajrim	Kushki Kuhna	Hirat	1			1
	Julawi Archa	Anjil	Hirat		1		1
	Kalatai Ghazi	Kohsan	Hirat	1			1
	Kalati Nazar	Shindand	Hirat	1			1
	Kamanj	Sharak	Ghor		1		1
	Karezi Ilyas	Gulran	Hirat	1			1
	Kharbed	Jawand	Badghis		1		1
	Khatur	Ghurmach	Badghis		1		1
	Mahali Alizai Islam Qala	Kohsan	Hirat		1		1
	Mari Chaq	Murghab	Badghis			1	1
	Meli 73	Shindand	Hirat	1			1
	Merabad	Chahar Burjak	Nimroz		1		1
	Meran zi	Murghab	Badghis	1			1
	Munari Jam	Shahrak	Ghor		1		1
	Okal	Shindand	Hirat		1		1
	Qalai Ahmad	Kushki Kuhna	Hirat	1			1
	Qalai Esar	Shahrak	Ghor		1		1
	Qezil Bulaq	Gulran	Hirat	1			1
	Rabat	Jawand	Badghis		1		1
	Rabati Jahli	Chahar Burjak	Nimroz	1			1
	Saghari	Murghab	Badghis		1		1
	Sahib Jan	Kushki Kuhna	Hirat	1			1
	Samba Karez	Gulran	Hirat	1	1		1
	Sarkh	Sharak	Ghor				1

Zone Name	Village	District	Province	Cross border	Local	Main	Total
	Shaghali	Lash Wa Juwayn	Farah	1			1
	Shahri Khalil	Kushki Rabati Sangi	Hirat			1	1
	Ter Pul	Kohsan	Hirat		1		1
	Tilai	Chakhansur	Nimroz	1			1
	Wlima	Saghar	Ghor		1		1
	Zer Koh	Shindand	Hirat			1	1
<i>Western Total</i>				19	19	4	44
Grand Total				19	80	38	139

Annex B: Location of heroin/morphine processing laboratories

Zone Name	Village	District	Province	Cross border	Local	Main	Total
Central and Eastern	Abdul Khel-1	Achin	Nangarhar		1		1
	Abdul khel-2	Achin	Nangarhar		1		1
	Abdul Khel-3	Achin	Nangarhar		1		1
	Anachal-1	Achin	Nangarhar		1		1
	Anachal-2	Achin	Nangarhar		1		1
	Baghdara-1	Achin	Nangarhar		1		1
	Buttan-1	Achin	Nangarhar		1		1
	Buttan-2	Achin	Nangarhar		1		1
	China-1	Achin	Nangarhar		1		1
	China-2	Achin	Nangarhar		1		1
	Inzero kalai-2	Achin	Nangarhar		1		1
	Inzro kalai-1	Achin	Nangarhar		1		1
	Khandara-1	Achin	Nangarhar		1		1
	Khandara-2	Achin	Nangarhar		1		1
	Khawari-1	Achin	Nangarhar		1		1
	Khawari-2	Achin	Nangarhar		1		1
	Khawari-3	Achin	Nangarhar		1		1
	Miagi Pati-1	Achin	Nangarhar		1		1
	Miagi Pati-2	Achin	Nangarhar		1		1
	Miagi pati-3	Achin	Nangarhar		1		1
	Mohmand Tangai-1	Achin	Nangarhar		1		1
	Mohmand Tangai-2	Achin	Nangarhar		1		1
	Zaghari-1	Achin	Nangarhar		1		1
	Zaghari-2	Achin	Nangarhar		1		1
<i>Central and Eastern Total</i>					25		25
North-eastern	Baluch ha	Rostaq	Takhar			1	1
	Barlasi Chinar	Argu	Badakhshan		1		1
	Chakaran	Warduj	Badakhshan		1		1
	Char Tut	Khanabad	Kunduz			1	1
	Espingul	Faizabad	Badakhshan			1	1
	Ferghamero	Jurm	Badakhshan			1	1
	Gulaki	Darayem	Badakhshan		1		1
	Jangal	Yangi Qala	Tkhar			1	1
	Jari Shababa	Kishem	Badakhshan			1	1
	Khuli Marghzar	Jurm	Badakhshan		1		1
	Mongi	Darayem	Badakhshan		1		1
	Mozafari	Tishkan	Logar		1		1
	Nawabad	Darayem	Badakhshan			1	1
	Nem Tala	Argu	Badakhshan		1		1
	Robati Payan	Baharak	Badakhshan		1		1
	Sari Rostaq	Rostaq	Takhar		1		1
	Shifchan	Jurm	Badakhshan		1		1
	Turok	Argu	Badakhshan			1	1
	Wakhshi	Kishem	Badakhshan			1	1

Zone Name	Village	District	Province	Cross border	Local	Main	Total
<i>North_eastern Total</i>					10	9	19
Northern	Barfak	Tala Wa Barfak	Baghlan			1	1
<i>Northern Total</i>						1	1
Southern	Barancha	Dishu	Hilmand			1	1
	Barancha wa Chatu	Dishu	Hilmand			1	1
	Barancha-i- Bala	Dishu	Hilmand		1		1
	Barancha-i-Payan	Dishu	Hilmand		1		1
	Center	Kajaki	Hilmand		1		1
	Center	Musa Qala	Hilmand		1	1	2
	Center- 5	Musa Qala	Hilmand		1		1
	Center-1	Kajaki	Hilmand		1		1
	Center-2	Musa Qala	Hilmand		1		1
	Center-3	Musa Qala	Hilmand		1		1
	Center-4	Musa Qala	Hilmand		1		1
	Center-6	Musa Qala	Hilmand		1		1
	Center-7	Musa Qala	Hilmand		1		1
	Chatu	Dishu	Hilmand		1		1
	Chatu-i- Sufla	Dishu	Hilmand		1		1
	Chatu-i-Olya	Dishu	Hilmand		1		1
	Musa Qala	Musa Qala	Hilmand		1		1
	Nawai Arzan	Kajaki	Hilmand		1		1
	Near bazaar	Musa Qala	Hilmand		1		1
	Sarban Qala	Sangin	Hilmand			1	1
	Sarban Qala-1	Sangin	Hilmand		1		1
	Sarban Qala-2	Sangin	Hilmand		1		1
	Sarban Qala-3	Sangin	Hilmand		1		1
	Sarban Qala-4	Sangin	Hilmand		1		1
	Sarban Qala-5	Sangin	Hilmand		1		1
	Sarban Qala-6	Sangin	Hilmand		1		1
<i>Southern Total</i>					23	4	27
Western	Ahmad Abad	Kohsan	Hirat		1		1
	Asparan	Lash Wa Juwayn	Farah		1		1
	Darai Boom	Murghab	Badghis		1		1
	Dugai Seya	Bakwa	Farah		1		1
	Kaftar Khan	Tulak	Ghor		1		1
	Kalata	Anar Dara	Farah		1		1
	Karezi Elyas	Gulran	Hirat			1	1
	Khahak	Khash Rod	Nimroz		1		1
	Merabad	Chahar Burjak	Nimroz			1	1
	Mori Chaq	Murghab	Badghis			1	1
	Parduwan	Pur Chaman	Farah		1		1
	Rabati Jahli	Chahar Burjak	Nimroz	1			1
	Rabati Khoshkawa	Bala Buluk	Farah		1		1
	Sarkh	Shahrak	Ghor		1		1

Zone Name	Village	District	Province	Cross border	Local	Main	Total
	Shand	Chakhansur	Nimroz		1		1
	Shari Khalil	Kushk	Hirat			1	1
	Wlima	Saghar	Ghor		1		1
	Zer koh	Shindand	Hirat			1	1
	<i>Western Total</i>			1	12	4	18
Grand Total				1	70	37	90

Annex C:

Opium trade: General facts

- **How is the opium purchased from the farmer? Is it being sold individually by the farmer or collectively by the village like a co-opium farm?**

Opium is being purchased individually by brokers, with fictitious name from the farmers. The farmers deliver the drugs away from the village's area to brokers; and they don't understand who the main purchasers are.

- **Who are the bulk opium buyers? Do they travel from farm to farm, village to village region to region? Are opium buyers independent or they representing an organization?**

The main drug purchasers are the individuals who are difficult to get identified since they remain under cover. They operate away from dealing site and establish contact to the brokers through the special individuals' liaisons. Their business strategy differs region by region. They meet the farmers away from the village/cities and purchase their products. As this dealing is continuous for a long time, there is trust between purchasers and the farmer. Since mobile communication facility is available in every place, these dealings are coordinated properly. The drug dealers are active in the country since long time and are in contact with international drug network. These groups also have other business establishments such as NGOs, commercial units as well as construction companies.

- **How is the bulk opium sold to the morphine Laboratory? Are their emerging drug cartels that control this process?**

Main drug dealers buy opium from province level dealers and convert opium to Morphine and Heroin in their own processing lab. The product is sold to foreign drug traders. There are no any cartels till now to control this business but this network is indirectly supported by corrupt government officials.

- **Who owns the morphine lab and how do they get and purchase chemicals?**

The Morphine labs owners are the smugglers who are responsible for the over all drugs business and mostly living out side of the country. They have liaisons with influential people in each processing site they can operate this system with internal support from that region.

These smugglers import precursor chemicals from their foreign partners. Often legal traders having links with drug mafia import the precursor chemicals within the country. The import is hidden such as chemicals are sealed as oil packs.

- **Who is the chemist and do they move from lab to lab and who sells them precursor chemicals?**

The drug dealers who are managing the drug business in the region are the providers of the chemicals. Most of these dealers have a close connection with regional chemists as well. They do not move lab to lab since the labs are fully hided and only special groups have access to these units. The individuals who have relation with foreign mafia's group sell the precursor chemicals to other labs owners.

- **Is this organized by drug cartels or are these independent operations?**

There are no drug cartels in Afghanistan, all of the operation planned by individuals and are independent. Their action plans are implemented individually by themselves in secret manner.

- **How is the bulk morphine sold to the Heroin laboratory?**

The labs owners not often purchase the morphine; in fact they purchase the large amount of opium from farmers in a cheap cost. The opium first processed in to morphine and then to heroin.

- **Why do they produce both white and brown heroin?**

The first product obtained from opium is locally called the 'beast' (morphine) which is brown in colour. It is further refined into white heroin. It depends upon the heat as well, during the process of morphine to heroin. Sometimes improper processing can result into the brown product, however preference is given to produce white heroin which is considered as the best quality product.

- **Who buys the finished product within Afghanistan? Are foreign nationals inside of Afghanistan making the purchase? Are Afghans involved in actual smuggling of finished product into foreign countries or do they generally stop at the border and turn it over to foreign nationals?**

Afghan nationals purchase the finished products and take it out of borders. Representatives of foreign nationals seldom come inside the country to purchase and traffic drugs to the borders, especially to Turkmenistan, Iran and Pakistan. These foreign nationals have the support of the Afghan drug dealers to traffic illicit goods Entire opium harvest do not go to outside, some percentage remains inside as stockpile for processing throughout the year. This stockpiling practice is followed by dealers and some of rich farmers for good marketing price.