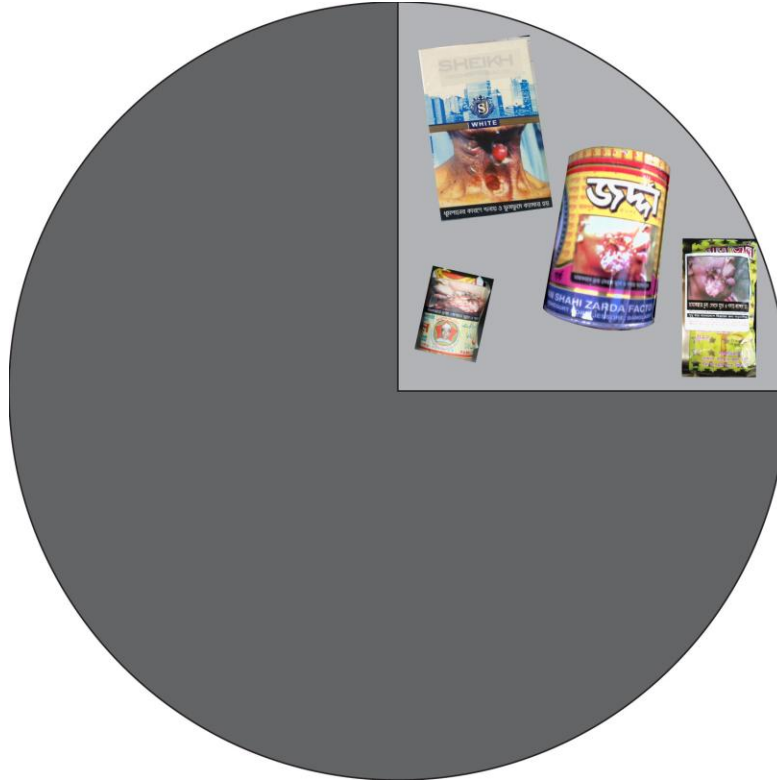


**Report**  
**Compliance Survey on Implementation of  
Graphical Health Warning (GHW) on Tobacco Packs, 2016**



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# 1. Introduction

## 1.1 Background

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Following the Section 10(1) of the Smoking and Tobacco Products Usage (Control) (Amendment) Act 2013, it is mandatory to print colored pictures about the harms caused by the use of tobacco products covering at least 50% of the main display area of all forms tobacco packets, containers or cartons. According to the law, nine pictures altogether, seven pictures for smoking tobacco products and two for smoke-less tobacco should be printed. Following the Tobacco Control Law Rules, 2015 tobacco packets without the graphical health warning should not be marketed or sold after March 19, 2016 and if done, that should be considered as a punishable offence. If a person contravenes the provision of this section he/ she shall be punishable with a rigorous imprisonment for a term not exceeding six months or a fine which may extend to two hundred thousand taka or both, and if the person contravenes the provisions more than once, every time the amount of fine or punishment shall be doubled.

However, with the interference from Bangladesh Cigarette Manufacturers' Association (BCMA), the Law Ministry recommended, on a document sent to the Health Ministry on March 13, 2016, to print graphical health warning on the lower 50 per cent portion of the cigarette packets. The issue has been informed by the National Tobacco Control Cell (NTCC) through a public notice on March 16, 2016. Anti-tobacco platforms expressed sharp reactions over the illegal decision of the Law Ministry. However, as the NTCC has issued a public notice, the anti-tobacco organizations have taken initiative to monitor if the tobacco companies are implementing the graphical health warning on their respective tobacco brands to assist the government/ the NTCC to implement the tobacco control law.

## 1.2 Goal

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To support the Ministry of Health/ NTCC for implementing tobacco control law by monitoring the graphical health warning implementation scenarios

## 1.3 Methodology

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The People's Republic of Bangladesh is administratively divided into eight parts. Thereby, to evaluate the GHW implementation situation, information was collected from the eight divisions. During the study, GHW implementation was observed in eight divisional towns naming Dhaka, Rajshahi, Chittagong, Khulna, Barisal, Sylhet, Rangpur and Mymensingh. Information was gathered from three types of tobacco sellers like – (a) primarily cigarette sellers (who sell mostly cigarettes), (b) primarily bidi and cheap cigarette sellers (who sell mostly bidi and lower-priced cigarettes), (c) primarily smokeless tobacco sellers (who sells smokeless tobacco mostly). A sum of 15 survey forms (5 from each group; i.e.  $5 \times 3 = 15$ ) were filled up with the information

collected from the 3 types of sellers in each of the divisional cities. The enumerator purposively/judgmentally selected the respondent sellers. However, one more respondents of the same category from the same area were not selected. Consequently, 120 survey forms (15\*8 divisions) were gathered for the evaluation. With the permission of the seller, the enumerators noted down the name of all the tobacco products available on the store (like Star Cigarette, Harin Bidi, Mustofa Gul, Shahzada Zarda etc.) and then filled each of the parts of the form for the respective tobacco products. When there were both the GHW included and excluded products, they took only the GHW included products for the study. Besides, the study has included all the tobacco products produced and manufactured in Bangladesh only.

#### **1.4 Implementing organizations**

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Seven anti-tobacco organizations have conducted the fieldwork in eight divisional cities. ACD has worked in Rajshahi and Rangpur, Dhaka Ahsania Mission covered Dhaka city, SIMANTIK in Sylhet city, UBINIG in Khulna city, National Heart Foundation in Khulna city and EC Bangladesh worked in Barisal city. PROGGA has provided all the technical supports, analyzing the data and preparing the study report while Campaign for Tobacco Free Kids has provided the overall supports to complete the study.

#### **1.5 Duration**

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Implementation of the GHW has been made mandatory from March 19, 2016. After passing the deadline for 15 days, the evaluation was undertaken from April 04 – April 07, 2016 at the divisional towns together to check that how the tobacco companies complied with the rule

#### **1.6 Assumption**

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If any tobacco company prints the GHW on its packets, that should be available at least one store among the 15 in the divisional towns.

#### **1.7 Limitations**

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The study has been conducted only in eight divisional cities. The information of zilla, upazilla or other rural areas has not been included here. Thereby, it is imperative not to consider the study as a nationally representative study rather viewing it as an indicative study would be much appreciated.

#### **1.8 Compliance Issues**

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The study was done based on the indicators formulated by tobacco control law and the served public notice.

### 1.8.1 Cigarette packet

1. The graphical warning should be printed at least 50% of the main display area of lower part;
2. Graphical health warning should be printed on both sides;
3. The packets should contain the following text with the pictorial warning – ‘Smoking causes throat and lung cancer’;



4. In the pictorial warning messages the ratio of the pictures and the text will be 6:1 and the script shall be in white letters against a black background;
5. The statement "Approved for sale in Bangladesh only" shall be printed on the sides of packets and packages.

### 1.8.2 Bidi Packet

1. The graphical warning should be printed at least 50% of the main display area of the upper part of the packet;
2. Graphical health warning should be printed on both sides of the packet;
3. The packets should contain the following text with the pictorial warning – ‘Smoking causes throat and lung cancer’;



4. In the pictorial warning messages the ratio of the pictures and the text will be 6:1 and the script shall be in white letters against a black background;
5. The packet sides should also contain the texts – “Permitted for sale in Bangladesh only”.

### 1.8.3 Zarda/ Gul Container

1. The graphical warning should be printed at least 50% of the main display area of the upper part of the container;
2. Graphical health warning should be printed on both sides of the container;
3. The container should contain the following text with the pictorial warning – ‘Consumption of tobacco products causes mouth and throat cancer’;



4. In the pictorial warning messages the ratio of the pictures and the text will be 6:1 and the script shall be in white letters against a black background;
5. The statement "Approved for sale in Bangladesh only" shall be printed on the sides of packets and packages.

## 2. The Study Result

74.8% (1111) tobacco products contain no GHW while only 25.2% (374) tobacco packs contain GHW.

None of the 88 bidi packets of 14 different brands contained GHW.

Among 700 cigarette packs of 35 different brands, 55.3% packets found with no GHW.

Among the 207 different brands of 639 zarda containers, 91.6% containers found with no GHW.

About 87.9% gul containers of 16 different brands did not have any GHW.

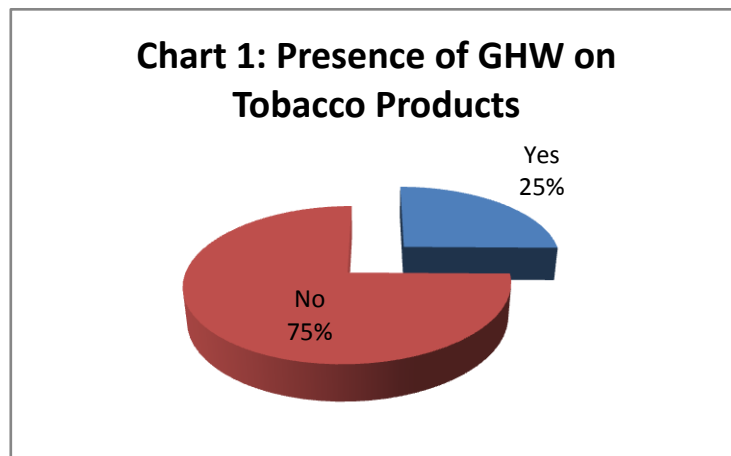
Among the 6 cigarette manufacturing companies, four of them market tobacco products without GHW.

Twelve brands among 15 of BATB and only seven brands among 14 of Dhaka Tobacco contained the GHW.

Among the 100 studied zarda factories only 14, and among the 13 gul factories only 1 is marketing products with GHW.

### 2.1 Presence of the GHW

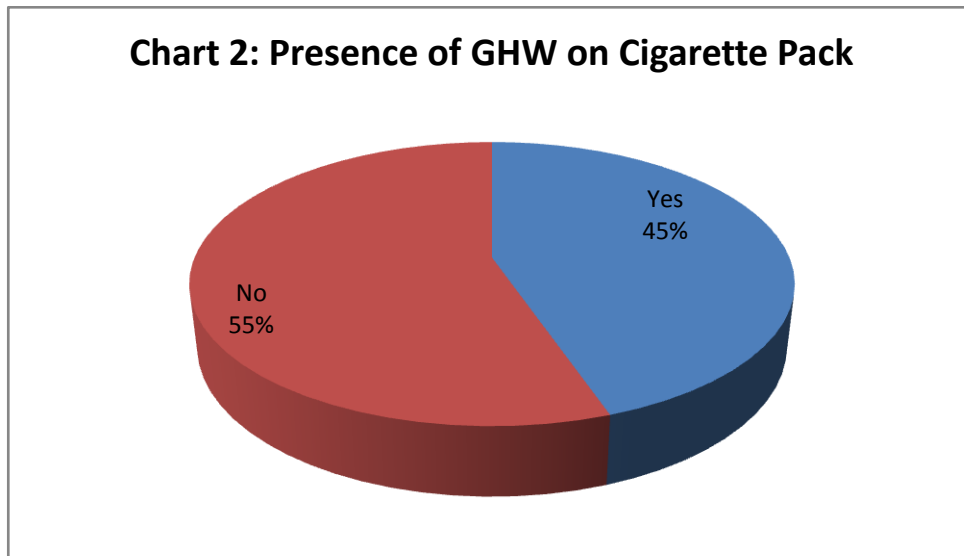
Usually in Bangladesh, cigarette, bidi, zarda and gul is marketed with packets/containers. During



the study, a single packet or container has been observed from the stores which contained tobacco products. Accordingly a total of 1485 cigarette, bidi, zarda and gul packets/container have been gathered from 120 stores in eight divisions (table 1). Among them, 74.8% did not contain the GHW while 25.2% contained the GHW.

### 2.1.1 Cigarette

Among the 700 cigarette packets of 35 different brands, during the study, only 44.7% packets contained GHW (table 2 and 3) which points that 55.3% packets did not contain the GHW which is shocking indeed. Analysis based on six tobacco company shows that four of them (Abul Khair, Jamil Tobacco, Nasir Tobacco, and Vorosa National Tobacco) are selling tobacco products without the GHW. Only the packets of British American Tobacco Bangladesh (BATB)



and Dhaka Tobacco contained the GHW. However, all of the brands of the two companies did not have the GHW. Twelve brands among 15 produced by BATB and seven brands among 14 produced by Dhaka Tobacco contained the GHW (table 14). Notably, both the companies produce and market different local and international brand cigarettes. The four companies which are producing and marketing their cigarettes without the GHW are basically local level tobacco companies.

On the other side, 53% of the packets among the 55.3% packets (387 pieces) which contained no GHW belong to lower level cigarettes (table 5). Majority of the consumers of this specific types of cigarettes are low income group and literacy rate among them is lower too. So, the GHW was intended to be more effective with them but the aim of GHW has been failed as the law is violated here.

### 2.1.2 Bidi

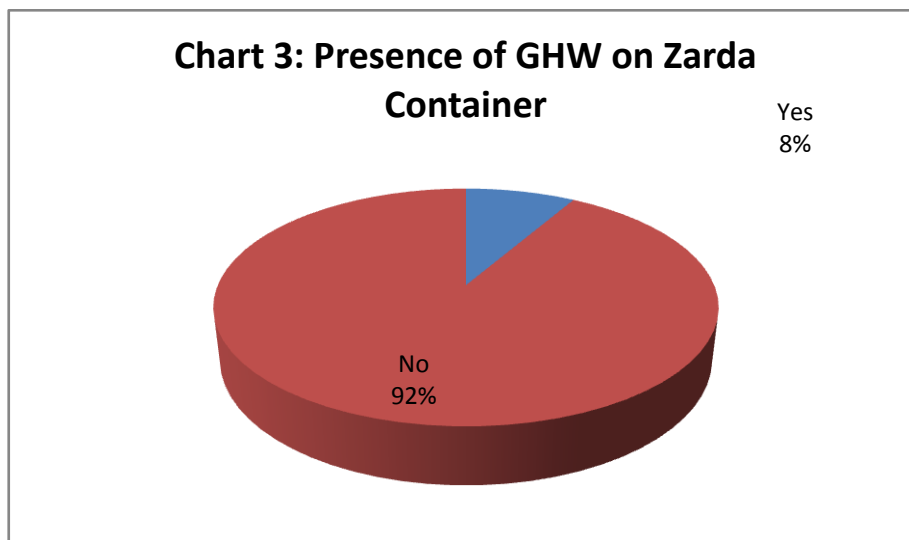
The result over GHW implementation on bidi packets is highly concerning. None of the eighty eight bidi packets among the analyzed 14 brands contained any GHW (table 2 and 3). Bidi is mostly consumed by the poor people of the country with a lower income level. Majority of those poverty-stricken people are illiterate as well. So, as the bidi factory owners are ignoring the law,



the initiative to inform the poor population about the health damages has completely turned into a failure.

### 2.1.3 Zarda and Gul

The study has analyzed 639 containers of 207 different zarda brands and 58 gul containers of 16 different brands (table 2). The information analysis shows that 91.6% of the zarda containers are devoid of GHW and only 8.4% containers contain the GHW (table 3). It indicates that the zardas are being marketed even after passing 15 days of the deadline to implement the GHW. By the



same way, 51 of the 58 gul containers (87.9%) of different brands did not contain the GHW (table 3). An analysis based on company shows that only 14 zarda factories among the 100 is marketing their products with GHW (table 16), and only a single gul factory among the 13 is marketing gul with the GHW (table 17).

## 2.2 Placement of the GHW

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The study has found that the cigarettes packets which contain the GHW are printed on the lower parts and covered both the sides (table 6). However, regarding the zarda (table 6), the law has been followed and the GHW has been printed on both upper and lower portion and the number of such containers is only five (9.3%). The rest of the containers (49 pieces) contained warning only on one side and in the upper, or lower or in the middle parts of the containers. Seven of the gul containers contained the GHW and those were printed on both the sides following the law (table 6).

Notably, after the directives of the Section 10(1) of the Smoking and Tobacco Products Usage (Control) (Amendment) Act 2013, it was directed to print the GHW covering at least 50% of the main display area of all forms tobacco packets, containers or cartons, later based on the recommendations of the Law Ministry, the National Tobacco Control Cell (NTCC) issued a

public notice over printing the GHW on the lower 50 percent space of the packets. The recommendation of the Law Ministry is applicable only for **Hard and Soft Cigarette Packets, Not For Bidi, Gul and Zarda.**

## **2.3 Size of the GHW**

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The results have shown that the GHW is covered on 50% space of the cigarette packets and gul containers. However, 77.8% of the zarda containers did not contain the GHW covering 50% space. It is to be noted that after the existing tobacco control law, it is a must to print the GHW on the packets or containers covering at least 50 of the entire space.

## **2.4 Appropriate use of GHW**

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### ***2.4.1 If GHW is endorsed by Health Ministry***

The GHW containing cigarettes packets have contained the images endorsed by the government but 55.5% zarda containers (30 pieces) did not contain images recommended by the government and they have used different pictures. Among the seven gul containers, all of them have used the government approved images. Notably, according to the tobacco control law, colored pictures of health damages should be printed on tobacco products' packets or containers and the images should be changed after every three months.

### ***2.4.2 If warning text is endorsed by Health Ministry***

All the cigarette packets and gul containers containing the GHW follow the warning text approved by the government. However, 70.4% zarda containers have used different text instead of the government approved warning.

### ***2.4.3 If warning text font is white on black background***

After the law, the warning text should be written on white letters against a black background. However, after analyzing the collected data it has been found that 57.4% (31 pieces) zarda containers do not have any warning with white fonts on black background.

### ***2.4.4 If the text and GHW image ratio is 6:1***

The tobacco control law has set the image and text ratio to 6:1. Though the cigarette packets have followed the rule, 66.7% (36 pieces) zarda and 28.6% Gul (02 pieces) have ignored the provision.

### ***2.4.5 If the pack contains – “Approved for sale in Bangladesh only”***

The packets and containers which contain the GHW, among them cigarette packets have contained the printed texts - "Approved for sale in Bangladesh only", while 79.6 % zarda (43 pieces) and 71.4% gul (5 pieces) did not have the text. Note that the text helps greatly to prevent illegal tobacco business.

#### *2.4.6 If the image quality clear or standard*

The gathered results show that 15% of the cigarette (47 pieces) and 79.6% zarda (43 pieces) do not have a quality print. The images are a bit blur. But the printing for the gul belonged to the standard.

## 3. Conclusion, recommendations and suspicions

### 3.1 Conclusion

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Though it was made mandatory from March 19, 2016 to print GHW on all types of tobacco packets, the study has found that the law has been ignored in most of the cases. About 75% of the tobacco products have been marketed without the GHW. Among the cigarettes, 55.3% did not contain the GHW. Among the six selected cigarette producing companies, four of them are marketing the product without the GHW. Notably, the four cigarette makers (Abul Khayer, Jamil Tobacco, Nasir Tobacco and Vorosa National Tobacco) mostly produce and market the low brand cigarettes. The scenario for bidi is more shocking. None of the 88 bidi packets belonging to 14 different brands contained the GHW which refers that the law abiding rate for bidi is nil. The case is almost similar for the smoke-less tobacco and shocking indeed. The GHW was not found for 91.6% zarda and 87.9% for gul containers. Among the 100 zarda factories, after the research, only 14 is marketing their products with the GHW. Similarly, only a single gul factory among the 13 is marketing gul with the GHW. Moreover, the GHW placement provisions and other rules approved by the government for the packets and containers have been rejected to a notable extent.

The overall picture of the GHW implementation is frustrating. The law has not been implemented for the low level tobacco products which are commonly used by the illiterate and lower level people and this is seriously concerning whereas the GHW is more effective for those people.

### 3.2 Recommendations

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- Initially compel the tobacco companies to print GHW covering 50% space of the lower portion & fining the law violators
- Destroying the cigarette packets without the GHW by conducting mobile courts and adopting legal measures against the sellers and relevant all.
- As there are legal directives to change the GHW after every three months, thereby compel the tobacco companies to print the images on the upper portion of the packets on the second stage beginning from June 19 ( March 19 – June 19, three months)
- Compelling the bidi, zarda and gul factory to print the GHW covering 50 space of the upper portion& fining to the law violating tobacco company
- Destroying the tobacco products without the GHW by conducting mobile courts and adopting legal measures against the sellers and relevant all.
- Increasing the mobile court number and make the law enforcing authority more effective

- Arranging seminars, meetings, and campaigns more frequently to inform the stakeholders over the issue
- Strengthening the monitoring system and conducting periodic compliance survey and inform the findings to the stakeholders by press conference.

### 3.3 Suspicions

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The use of GHW is considered as one of the effective tools to control the use of tobacco products globally and thereby, all the tobacco companies are active to prevent the implementation of the method. In our country, reports had been published on media over the activities undertaken by the tobacco companies to hamper the passing process of the amended tobacco control law. Later, the tobacco companies blocked the draft Rules for over 22 months with different tricks which directed that the GHW should be implemented within the six months after passing of the law. Even they adopted tricky measures at the end of the deadline set by the government to implement the GHW on tobacco packs. Due to the stronger interference of Bangladesh Cigarette Manufacturers' Association (BCMA), the Law Ministry issued a letter/ document to the Health Ministry on March 13, 2016 which recommended printing the GHW on the lower 50 percent of hard and soft packets. Later, on April 16, 2016 the NTCC informs all about the issue with issuance of a public notice. But the Section 10 of the law has made it a must that all the tobacco product packets, cartons, containers or wrappers should contain the image of the damages caused for tobacco use and warning texts covering the 50 percent spaces. All the activities of the tobacco company depict that in future they will also continue such activities to hamper the GHW implementation process. So, the lack of a strong monitoring system may turn one of the effective methods to control tobacco use into a failure.

However, it is hopeful that the Honorable Prime Minister has said that the government will prioritize the public health and also pledged to make the country tobacco-free by 2040. We all the relevant anti-tobacco stakeholders are inspired as this plan will play a lead role to achieve the Sustainable Development Goals (SDGs). Tobacco companies are not beyond the law, they are compelled to abide by the law. Tobacco use kills around 1 lakh people annually<sup>1</sup>, and it cripples 382,000 people<sup>2</sup>. It would be difficult for us to protect our future generation from the destructive clutch of tobacco unless we are not implementing the GHW in the right manner in our country.

## List of Tables

Table 1: Overall situation of the GHW implementation

GHW status	N	%
Present	374	25.2
Absent	1111	74.8
Total	1485	100.0

Table 2: the number of tobacco products produced by different tobacco companies

Cigarette brand	Bidi	zarda	Gul		
35	14	207	16		

Table 3: GHW implementation scenario based on tobacco product types

GHW status	Tobacco Type							
	Smoking				Non-Smoking			
	Cigarette		Bidi		Zarda		Gul	
	N	%	N	%	N	%	N	%
Present	313	44.7			54	8.4	7	12.1
Absent	387	55.3	88	100.0	585	91.6	51	87.9
Total	700	100.0	88	100.0	639	100.0	58	100.0

Table 4: GHW scenario based on producing company

Company name	GHW status		Total
	Present	Absent	
BATB	12	3	15
Dhaka Tobacco	7	7	14
Abul Khair		2	2
Nasir Tobacco		2	2
Vorasha National Chemicals (National Tobacco)		1	1
jamil group		1	1
<b>Total</b>	<b>19</b>	<b>16</b>	<b>35</b>
Jarda	14	86	100
Gul	1	12	13

Table 5: GHW implementation scenario based on cigarette tires

Tire list	GHW status					
	Present		Absent		Total	
	N	%	N	%	N	%

Premium	145	46.3	83	21.4	228	32.6
High	66	21.1	99	25.6	165	23.6
Low	102	32.6	205	53.0	307	43.9
Total	313	100.0	387	100.0	700	100.0

Table 6: GHW position on packs

GHW placement	Tobacco Type							
	Smoking				Non-Smoking			
	Cigarette		Bidi		Zarda		Gul	
	N	%	N	%	N	%	N	%
Upper part both sides					3	5.6	7	100
Lower part both sides	313	100.0			2	3.7		
Upper part one side					18	33.3		
Lower part one side					11	20.4		
Others					20	37.0		
Total	313	100.0			54	100.0	7	100.0

Table 7: Space of GHW on packs

GHW covering space	Tobacco Type							
	Smoking				Non-Smoking			
	Cigarette		Bidi		Zarda		Gul	
	N	%	N	%	N	%	N	%
50%	313	100.0			12	22.2	7	100.0
Less than 50%					42	77.8		
Total	313	100.0			54	100.0	7	100.0

Table 8: if the images are endorsed by the Health Ministry

If the GHW is admitted by health ministry	Tobacco Type							
	Smoking				Non-Smoking			
	Cigarette		Bidi		Zarda		Gul	
	N	%	N	%	N	%	N	%
Yes	313	100.0			24	44.4	7	100
No					30	55.6		
Total	313	100.0			54	100.0	7	100.0

Table 9: if the warnings are endorsed by the Health Ministry

If the warning text is admitted by Health Ministry	Tobacco Type							
	Smoking				Non-Smoking			
	Cigarette		Bidi		Zarda		Gul	
	N	%	N	%	N	%	N	%
Yes	313	100.0			16	29.6	7	100.0

No					38	70.4		
Total	313	100.0			54	100.0	7	100.0

Table 10: If warning text font is white on black background

warning text font is white on black background	Tobacco Type							
	Smoking				Non-Smoking			
	Cigarette		Bidi		Zarda		Gul	
	N	%	N	%	N	%	N	%
Yes	313	100.0			23	42.6	7	100.0
No					31	57.4	0	.0
Total	313	100.0			54	100.0	7	100.0

Table 11: If the text and GHW image ratio is 6:1

If the warning text ratio with image is 6:1	Tobacco Type							
	Smoking				Non-Smoking			
	Cigarette		Bidi		Zarda		Gul	
	N	%	N	%	N	%	N	%
Yes	313	100.0			18	33.3	5	71.4
No					36	66.7	2	28.6
Total	313	100.0			54	100.0	7	100.0

Table 12: If the pack contains – “Approved for sale in Bangladesh only”

If the pack contains - “Permitted for sale in Bangladesh only”	Tobacco Type							
	Smoking				Non-Smoking			
	Cigarette		Bidi		Zarda		Gul	
	N	%	N	%	N	%	N	%
Yes	313	100.0			11	20.4	2	28.6
No					43	79.6	5	71.4
Total	313	100.0			54	100.0	7	100.0

Table 13: If the image quality clear or standard

If the image quality clear or standard	Tobacco Type							
	Smoking				Non-Smoking			
	Cigarette		Bidi		Zarda		Gul	
	N	%	N	%	N	%	N	%
Yes	266	85.0			11	20.4	7	100.0
No	47	15.0			43	79.6		
Total	313	100.0			54	100.0	7	100.0

Table 14: GHW condition based on cigarette brands

Sl.	Cigarette Brand	Tier Segment	Company Name	GHW Status
1	marise	low	abul khair	No



2	moon star	low	abul khair	No
3	benson & hedges	premium	batb	Yes
4	benson & hedges lights	premium	batb	Yes
5	benson & hedges switch	premium	batb	Yes
6	capstan	premium	batb	Yes
7	derby	low	batb	Yes
8	derby special	low	batb	Yes
9	gold leaf	premium	batb	Yes
10	gold leaf lights	premium	batb	Yes
11	hollywood	low	batb	Yes
12	pall mall blue	premium	batb	No
13	pilot	low	batb	Yes
14	star	high	batb	Yes
15	star lights	high	batb	No
16	star next	high	batb	Yes
17	wills kings	high	batb	No
18	bond street	premium	dhaka tobacco	Yes
19	briton	low	dhaka tobacco	Yes
20	five star filter	low	dhaka tobacco	No
21	k 2	low	dhaka tobacco	Yes
22	Legend white	low	dhaka tobacco	No
23	malboro advance	premium	dhaka tobacco	No
24	marlboro	premium	dhaka tobacco	Yes
25	navy	high	dhaka tobacco	Yes
26	real filter king	low	dhaka tobacco	No
27	sheikh	low	dhaka tobacco	Yes
28	sheikh white	low	dhaka tobacco	No
29	winston	premium	dhaka tobacco	Yes
30	winston blue	premium	dhaka tobacco	No
31	winston red	premium	dhaka tobacco	No
32	java black	high	jamil group	No
33	nasir gold	low	nasir tobacco	No
34	top ten	low	nasir tobacco	No
35	chaiman cigarette	low	vorasha national chemicals	No

Table 15: GHW condition based on bidi types

Sl.	Bidi Type	Company Name	GHW Status
1.	abul bidi	abul khair	No
2.	akiz bidi	akiz bidi factory	No
3.	amzad bidi	Amzad bidi,netrokona	No

4.	ansar bidi	ansar bidi factory, rangpur	No
5.	barnaly bidi	mostofa bidi	No
6.	ezaz bidi	kaus chemical, chandpur	No
7.	gopal bidi	gopal bidi, narainpur, khulna	No
8.	grameen bidi	akiz bidi factory	No
9.	karigor bidi	omritho lal dea	No
10.	mohon bidi	kaus chemical, chandpur	No
11.	nabab bidi	nabab ali miah	No
12.	nasir bidi	kustia	No
13.	sonali bidi	sonali bidi factory, bheramara, kustia	No
14.	sultani bidi	sultani barisal	No

Table 16: GHW condition based on Zarda types

Sl.	Zarda Name	Company Name	GHW Status
1.	f rahman viza pati	22, jagnogor lane, dhaka	No
2.	guru zarda	22, jagnogor lane, dhaka	No
3.	bat one baba zarda	55/a, kaptan bazar, dhaka	No
4.	suchimoni patti zarda	a.k. pall products, mymensingh	No
5.	hakim puri	abul khair	No
6.	vija pata	akiz bidi factory	No
7.	akiz 22	akiz zarda	No
8.	akiz 33 zarda	akiz zarda	No
9.	akiz 44	akiz zarda	No
10.	akiz veza pati zarda	akiz zarda	No
11.	akiz zarda	akiz zarda	No
12.	pan parag	akiz zarda	No
13.	shurovi zarda	akiz zarda	No
14.	chadpuri zarda	aklima chemical, jessore	No
15.	gopal	aklima chemical, jessore	No
16.	rahima zarda	aklima chemical, jessore	No
17.	shah ali zarda	aklima chemical, jessore	No
18.	al shahi badhu zarda	al masud chemical, mymensingh	No
19.	shahjadi zarda	alam chemical	No
20.	kundu	alamin kashori	No
21.	kasturi zarda	al-amin zarda factory, mymensingh	No
22.	moti zarda	al-amin zarda factory, mymensingh	No
23.	kundu	al-amin zarda factory, jessore	No
24.	lal baba keshori	al-amin zarda factory, jessore	No
25.	amin pan bahar	amin food products	No
26.	shova zarda	anjon chemical works, mymensingh	No

27.	shada pata	ansar bidi factory, rangpur	No
28.	arman zarda	arman special	No
29.	kabir silver	arman special	Yes
30.	lal baba keshori	arman special	Yes
31.	shivaduta 355	arman special	No
32.	surovi 55	arman special	Yes
33.	asgar ali	Asgor ali factory	No
34.	aziz pan parag	aziz chemical work	No
35.	baba zarda	baba altazer	No
36.	babul pan parag	babul chemical work,dhaka	No
37.	amin shahi mixture zarda	bacchu chemical	No
38.	amjad surovi zarda	benarashi zarda,rajshahi	No
39.	amzad	benarashi zarda,rajshahi	No
40.	amzad patti	benarashi zarda,rajshahi	No
41.	beneroshi surovi	benarashi zarda,rajshahi	No
42.	shova	benarashi zarda,rajshahi	No
43.	shurovi zarda	benarashi zarda,rajshahi	No
44.	surovi 55	benarashi zarda,rajshahi	No
45.	baba zarda	benarashi zarda,rajshahi	No
46.	bhai bhai zarda	bhai bhai chemical, narsinghdi	No
47.	ratan	bhai bhai chemical, narsinghdi	No
48.	ratan patti zarda	bhai bhai chemical, narsinghdi	No
49.	shahajadi	bhai bhai chemical, narsinghdi	No
50.	dulal zarda	bhai bhai co. rangpur	No
51.	bikalpa zarda	bhai bhai company	No
52.	ratan	bhai bhai company	No
53.	shahi hiro	bhai bhai company	No
54.	dulal patti zarda	bhai bhai zarda factory, narsinghdi	No
55.	dulal zarda	bhai bhai zarda factory, narsinghdi	No
56.	dulal patti zarda	bhai bhai zarda, netrokona	No
57.	dulal zarda	bhai bhai zarda, netrokona	No
58.	bhandari shova zarda	bhandari chemical co.	No
59.	jafrani	biha chemical,Jhalkhati	Yes
60.	shahi zarda	biha chemical,Jhalkhati	No
61.	Halimpuri zarda	bisshas chemical	No
62.	himel zarda	brothers chemical	No
63.	bonoful viza kundu	chondamoni product	No
64.	azad mokin zarda	delower chemical	No
65.	baba 120	dhampan premchand ltd	Yes
66.	baba tilak zarda	dulal chemical works	Yes
67.	dulal bija pata zarda	dulal chemical works	Yes

68.	jafrani	dulal chemical works	No
69.	tilak zarda	dulal chemical works	Yes
70.	viza kundu zarda	dulal chemical works	No
71.	barmis zarda	ezma zarda factory	No
72.	beneroshi surovi	ezma zarda factory	No
73.	diler zarda	ezma zarda factory	No
74.	esma plus zarda	ezma zarda factory	No
75.	ezma diler khaini	ezma zarda factory	No
76.	ezma shova zarda	ezma zarda factory	No
77.	ezma vija pati zarda	ezma zarda factory	No
78.	ezma zarda	ezma zarda factory	No
79.	natun pati zarda	ezma zarda factory	No
80.	shova	ezma zarda factory	No
81.	dx kabir zarda	f c works, khulna	No
82.	runa brand zarda	f c works, khulna	No
83.	shova	falgun zarda factory	No
84.	bonoful viza kundu	farid chemical	No
85.	gopal zarda	farid chemical	No
86.	akij 99	golra, manikgonj	No
87.	haque zarda	haque chemical	Yes
88.	khanpur zarda	helal zarda product, khulna	No
89.	tambul kashori	hero zarda factory	No
90.	hakkapuri zarda	hukka chemical works	No
91.	baba 120	jahangir chemical works	No
92.	chaman bahar	jahangir chemical works	No
93.	chamon pan parag	jahangir chemical works	No
94.	gopal	jahangir chemical works	No
95.	mojahid pati zarda	jahangir chemical works	No
96.	mujahid shova zarda	jahangir chemical works	No
97.	shova	jahangir chemical works	No
98.	shurovi zarda	jahangir chemical works	No
99.	surova 55	jahangir chemical works	Yes
100.	surovi 55	jahangir chemical works	No
101.	kanchan shova zarda	kanchan zarda factory	No
102.	shova	kanchan zarda factory	No
103.	hakim puri	kaus chemical, chandpur	No
104.	manik	kaus chemical, chandpur	No
105.	shova	kaus chemical, chandpur	No
106.	surovi 55	kaus chemical, chandpur	No
107.	shantipuri zarda	kaus chemical, chandpur	No
108.	hakim puri	kawser chemical	No

109.	hakkapuri zarda	kawser chemical	No
110.	nayem zarda	khordhed chemical	No
111.	noman zarda	l rahman & co.	No
112.	laboni 5 star	laboni chemical works	Yes
113.	laboni zarda	laboni chemical works	No
114.	akiz veza pati zarda	maa jarda chemical, Jessore	No
115.	krishna zarda	maa jarda chemical, Jessore	Yes
116.	kundu	maa jarda chemical, Jessore	No
117.	maa zarda	maa jarda chemical, Jessore	No
118.	ovab zarda	maa jarda chemical, Jessore	No
119.	sonali kunda zarda	maa jarda chemical, Jessore	No
120.	laxmi zarda	maa jarda chemical, Jessore	Yes
121.	moti zarda	malamati chemical, jessore	No
122.	surova 55	malamati chemical, jessore	No
123.	shantipuri zarda	mamun chemical	No
124.	monipuri zarda	mamun zarda factory, dhaka	No
125.	monipuri zarda	mannan jarda	No
126.	vija pata	mannan jarda	No
127.	al masud mixture zarda	masud rana chemical, mymensingh	No
128.	teer ratan pati	masud rana chemical, mymensingh	No
129.	bow shahzadi zarda	mehnaj chemical and khoir o jarda, jessore	No
130.	bow shova zarda	mehnaj chemical and khoir o jarda, jessore	No
131.	milon pan parag	milon food product, chadpur	No
132.	milon puri zarda	mohammadia zarda factory mymensingh	No
133.	shahjadi zarda	mohiuddin chemical	No
134.	baba 600	moja food & chemical works	No
135.	diamond kabir zarda	moja food & chemical works	Yes
136.	golden baba 300	moja food & chemical works	Yes
137.	guru dev bija pati zarda	moja food & chemical works	No
138.	guru dev zarda	moja food & chemical works	No
139.	gurudev pati zarda	moja food & chemical works	No
140.	kabir silver	moja food & chemical works	Yes
141.	akiz zarda	momo chemical co.	No
142.	dorbar patti zarda	momo chemical co.	No
143.	gopal zarda	momo chemical co.	No
144.	momo zarda	momo chemical co.	No
145.	shantipuri zarda	Mostofa gul factory, Madaripur	No
146.	pan bahar	mozumder zarda factory, mymensingh	No
147.	begum pan porag	ms rokeya & com.	No
148.	noman zarda	n rahman co.	No
149.	shopnopuri zarda	nazma chemical	No

150.	nur zarda	nur chemical	No
151.	pan parag	nur misty pan masala factory	No
152.	nurani zarda	nurani chemical	No
153.	read leaf	nurani chemical	No
154.	shahjadi zarda	nurani chemical	No
155.	read leaf	nurani zarda factory, mymensingh	No
156.	baba 600	oli amin factory, jessore	Yes
157.	guru jafrani pati	oli amin factory, jessore	Yes
158.	chaman bahar	pan shahi zarda factory, jessore	No
159.	kanpur zarda	pan shahi zarda factory, jessore	Yes
160.	shohag shova zarda	pan shahi zarda factory, jessore	No
161.	shurovi zarda	pan shahi zarda factory, jessore	No
162.	mala moti special zarda	pan shahi zarda factory, jessore	No
163.	pan parag	pan shahi zarda factory, Jessore	No
164.	surovi 55	pan shahi zarda factory, Jessore	No
165.	guru zarda	pan shahi zarda, jessore	No
166.	ratan	ratan chemical co.	Yes
167.	ratan patti zarda	ratan chemical co.	Yes
168.	read leaf	red leaf chemical company	No
169.	kala baba patti zarda	s.c.s. products, mymensingh	No
170.	jafrani	sabiha chemical works,jalokhathi	No
171.	shahi jafrani zarda	sabiha chemical works,jalokhathi	No
172.	amir zarda	sajib chemical	No
173.	moti zarda	salim & sons	No
174.	kasturi zarda	salvia chemical	Yes
175.	shurovi zarda	salvia chemical	No
176.	shahjadi zarda	sattar chemical	No
177.	sattar's shahazadi zarda	sattar zarda works, badda, dhaka	No
178.	atiq's ratan zarda	selim zarda co.	No
179.	jafrani	shah chemical	Yes
180.	nurani shohagi zarda	shahi zarda chemical, jessore	No
181.	hiro mixer zarda	shamim and sons goalhaat, saidpur	No
182.	guru dev bija pati zarda	shawpan chemical works	No
183.	guru dev zarda	shawpan chemical works	No
184.	haji zarda	shikander chemical industry, dhaka	No
185.	shohag shova zarda	shohag zarda factory, khulna	No
186.	ratan	shovo & tamim	No
187.	surova 55	surovi jarda works	No
188.	shopnil zarda	taj zarda factroy, dhaka	No
189.	bawa zarda	toki hossain nurani zarda factory	No
190.	mohini arda	toki hossain nurani zarda factory	No

191.	nurani bawa zarda	toki hossain nurani zarda factory	No
192.	nurani read leaf	toki hossain nurani zarda factory	No
193.	nurani shahzadi	toki hossain nurani zarda factory	No
194.	nurani zarda	toki hossain nurani zarda factory	No
195.	read leaf	toki hossain nurani zarda factory	No
196.	shahjadi zarda	toki hossain nurani zarda factory	No
197.	jannati misty pan masala	towfiq chemical	No
198.	tulshi zarda	Unknown	No
199.	dhaka zarda	uzan chemical	No
200.	dalim pan parag	varoti zarda works	No
201.	moti zarda	varoti zarda works	No
202.	voroti zafrani zarda94	varoti zarda works	No
203.	national pati zarda	vorasha national chemicals	No
204.	yousuf zarda	yousuf chemical co.Cht	No
205.	istambul kashori	zakir zarda factory	No
206.	national pati zarda	zakir zarda factory	No
207.	zakir	zakir zarda factory	No

Table 17: GHW condition based on Gul types

Sl.	Gul Name	Company Name	GHW Status
1.	eagal gul	kader eagle tobacco, pallabi	No
2.	rahmath gul	messer's rahmath gul product, khulna	No
3.	millat gul	millat gul factory,rangpur	No
4.	mithi gul	mithi chemical	No
5.	mostofa gul	Mostofa gul factory, Madaripur	No
6.	azgor gul	mostofa, mirpur dhaka	No
7.	azgor gul-1	mostofa, mirpur dhaka	Yes
8.	mostofa gul	mostofa, mirpur dhaka	Yes
9.	mostofa special gul	mostofa, mirpur dhaka	Yes
10.	eagal gul	mozammel chemical	No
11.	lal ghora gul	murad zarda	No
12.	double hati marka gul	panccha gul industry , goalanda bazar,rajbari	No
13.	rahmath o rahman	rahmath o rahman gul ferighat, khulna	No
14.	shahajada gul	shahajada islam	No
15.	tarek gul	tarek group	No
16.	eagal gul	yousuf gul factory	No

## Questionnaire

### Graphical Health Warning Compliance Survey Form, April 2016

Division:

Location

Seller:

Primarily cigarette Seller = 1,  
Primarily bidi and cheap cigarette  
Seller = 2,  
Primarily Smokeless tobacco Seller  
= 3

Date:

Serial No.	Name of tobacco product	Producing company	GHW status	GHW placement	GHW covering space	If the GHW is endorsed by Health Ministry	If the warning text is endorsed by Health Ministry*	If the warning text is white against a black background	If the ratio of pictures and the text is 6:1	If the pack contains – “Approved for sale in Bangladesh only”	If the image is clear or standard
			Present = 1 Absent = 2 (N.B.: Skip interview when reply comes 2)	Upper part = both sides = 1, Lower part both sides = 2, Upper part one side = 3, Lower part one side = 4, Others = 5	50% = 1, Less than 50% = 2	Yes = 1, No = 2	Yes = 1, No = 2	Yes = 1, No = 2	Yes = 1, No = 2	Yes = 1, No = 2	Yes = 1, No = 2
1.	Gold Leaf Cigarette										
2.	Akij Bidi										
3.	Baba Zarda										
4.											
5.											
6.											
7.											
8.											
9.											
10.											
11.											
12.											
13.											
14.											
15.											

\*(a). Cigarette and bid- ‘smoking Causes throat and lung cancer’. (b). Zarda and Gul- ‘‘Consumption of tobacco products causes mouth and throat cancer’