# Public disclosure requirement (March 31, 2015)

#### 1. Data

Policy data is maintained on the following administration systems.

System	Data
Life Asia	Individual retail products including individual annuities
Life Asia	Group bancassurance products
	Group gratuity
WEGA and WEGA Plus	Group term insurance
WEGA and WEGA Flus	Superannuation
	Employer Deposit Linked Insurance (EDLI)
Leave Encashment	Leave Encashment
Spreadsheet	Linked liability details taken from MFund
Wega X	Group Unit Linked Superannuation
	Group Unit Linked Employee Benefit Plan
	Group Term Gold
Compulsory Annuity	Group annuities
Management System	
(CAMS)	
Renova	Administration, reinsurance premium calculations for life,
	group and health products
Claims Automated	Health and non-par health claims, standalone CI, crisis
Processing System	cover
(CAPS)	
Cordys system	Managing death claims and living benefits for individual
	policies (not health claims)

The key considerations from the statutory valuation perspective are to ensure the completeness and accuracy of data.

There are a series of validation checks based on product rules built into the business systems of the four outsourced data centres for retail business. Data is then uploaded into the Life Asia system for policy issue. Besides this, the Actuarial Department carries out its own checks to be reasonably certain that the data is complete and accurate.

#### 2. Treatment of valuation parameters

The liability valuation calculations have been carried out using actuarial software called "Prophet". The assumptions for each plan are fed in Prophet. Monthly cash flows are then projected by Prophet to determine the reserves using the specific characteristics of each policy such as age at entry, sum assured, term, etc.

The valuation parameters were calculated as detailed here:

- Age at entry was extracted from LifeAsia.
- Valuation age was calculated by summing age nearer birthday at entry with curtate duration, i.e. the age would change only on policy anniversaries.
- Premium paying term under the plan is extracted from Life Asia.
- Maturity date is obtained by summing up the date of commencement and policy term extracted from LifeAsia.
- Period from valuation date to maturity is calculated in Prophet as the difference between the maturity date and the valuation date.

#### 3. Treatment of future premiums

### 3.1. Incidence of premium income

The premiums are assumed to be received when due.

For linked business, premium income is recognized when the associated units are allocated. Fees on linked policies are recognized when due. For the purpose of projections in the actuarial models, future premiums are assumed to be received when due.

## 3.2. Premiums payable otherwise than annually

As premiums are taken to be received when due, no adjustment is required for non-annual plans.

#### 4. Valuation method - non-linked business

#### 4.1. Methods adopted in the determination of mathematical reserves

The prescribed method of valuation is the gross premium valuation. The reserve held represents the net present value of benefits and expenses less premiums. Following is the broad basis of the valuation:

- The cash flows are projected assuming zero lapses.
- The reserves are calculated on a per policy basis.
- Any negative reserves are zeroised, so that a policy is not treated as an asset.
- The minimum value of reserves is the higher of guaranteed surrender value, non guaranteed surrender value, and zero.

Valuation parameters are set prudently and include a margin for adverse deviation (MAD) in accordance to APS7 issued by Institute of Actuaries of India.

For linked business, unit liabilities are fully matched. A non-unit reserve is also held which includes provision for the cost of any guarantee.

The following sections contain specific details about reserving for different lines of business, riders, guarantees and other reserves.

### 4.2. Non-participating business

Contract status	Category	Applicability	Method
		Base plan	Higher of the gross premium valuation (GPV) reserve and surrender value (if applicable) and zero
	Individual products	Riders – excluding accident benefit riders	Higher of GPV reserve and unearned premium reserve (UPR) on a policy basis
In-force		Riders – accident benefit riders	UPR
	Group products – non-par	All group risk products and riders	Higher of GPV reserve and Surrender value
		Group Term, Group Term Plus and riders	Unearned premium plus an IBNR reserve of 1/3rd of the annual premium
Reduced paid up	Individual products	Base plan	Higher of GPV reserve or surrender value on reduced benefit with no future premiums payable
Lapse reserve	Individual products	Base plan	Reserve for expenses till the end of the revival period

Contract status	Category	Applicability	Method
Lapsed/reduced paid up, in respect of those that are expected to revive	Individual products	Reinstatement reserve	Reinstatement rate is applied to the difference between (A) & (B) where,  (A) = the reserve assuming contract is In force and (B) = the outstanding premiums plus the paid-up/lapsed reserve,  Subject to a floor of zero.

#### 4.3. Participating business

For the purpose of asset shares on the participating business at the valuation date, we have estimated the book value asset shares in order to be consistent with the reported value of assets.

Supportable future reversionary bonus rates are calculated at a product level. These bonus rates are consistent with the other valuation assumptions, subject to a floor of zero, and with policyholders' reasonable expectations (PRE), and is targeted to exhaust the asset shares at maturity. The prospective reserves based on the supportable bonus rates as calculated above are subject to a floor of the higher of the guaranteed and non-guaranteed surrender values at the valuation date.

The cost of the one off special bonus declared in 2010 is treated as an addition to the reserves calculated above. It is valued prospectively on the valuation basis.

For the group participating business we hold the face value of the policies as the liability. However, we check that this liability would support a prospective gross premium valuation, as required by IRDA (ALSM) Regulations, 2000, Schedule II- A, 2(6).

The additional one off bonus declared in 2010 was added to the liability at March 31, 2010, and is included in the face value. The asset shares are also adjusted to reflect the value of this additional bonus.

#### Conventional participating business (further details)

Further details regarding the valuation of conventional par business are given below:

Contract status	Category	Applicability	Method
Individual		Base plan	Higher of the GPV reserve and surrender value (if applicable) and zero, with allowance for future bonus and associated tax and transfers to shareholders
In-force	products	Riders – excluding accident benefit riders	Higher of GPV reserve and UPR on a policy basis
		Riders – accident benefit riders	UPR

Contract status	Category	Applicability	Method
	Group products – par		Higher of the GPV reserve with allowance for future bonus and associated tax and transfers to shareholders and face value of liability
Reduced paid up (all)	Individual products	Base plan	Higher of GPV reserve or surrender value on reduced benefit with no future premiums payable
Lapse reserve (all)	Individual products	Base plan	Reserve for expenses till the end of the maximum revival period
Lapsed or reduced paid up, in respect of those that	Individual products	Reinstatement reserve	Reinstatement rate is applied to the difference between (A) & (B) where,  (A) = the reserve assuming contract is In force and
are expected to revive	F. 2 3 3 0 to		(B) = the outstanding premiums plus the paid-up/lapsed reserve,  Subject to a floor of zero.

# 4.4. Bonus rates (retail products)

Details of bonuses declared in the previous financial years for products launched before FY2011 are given below:

Financial year	Par assurance (bonus type – compound reversionary)	Par pension (bonus type – compound reversionary)
FY 2013-14	2.25%	2.75%
FY 2012-13	2.25%	2.75%
FY 2011-12	2.25%	2.75%
FY 2010-11	2.50%	3.00%
FY 2009-10	2.5+1.5%	2.75+1.25%
FY 2008-09	2.25%	2.50%
FY 2007-08	3.00%	3.00%
FY 2006-07	3.25%	3.25%

For products launched in FY2011 the bonuses declared in the previous financial years are given below:

Financial year	Line of business (LoB)	Product	Bonus type	Bonus rate	
FY 2013- 14	Par assurance	Whole Life	Simple	Premium payment term: up to 15 years 16 to 20 years 21 to 25 years 26 years and above	3.50% 3.90% 4.70% 5.10%

Financial year	Line of business (LoB)	Product	Bonus type	Bonus rate	
				Policy term:	
		Future Secure	Simple	up to 15 years	3.60%
				16 years and above	4.00%
				Premium payment term:	
		Whole Life	Cimple	up to 15 years	3.50%
		vynole Life	Simple	16 to 20 years	3.90%
FY 2012-	Par			21 to 25 years	4.70%
13	assurance			26 years and above	5.10%
		Future Secure	Simple	Policy term: up to 15 years	3.60%
		i didie Secure	Simple	16 years and above	4.00%
		Whole Life	Simple	Premium payment term:	
				up to 15 years	3.50%
FY 2011-	Dan			16 to 20 years	3.90%
12	Par			21 to 25 years	4.70%
12	assurance			26 years and above	5.10%
			Simple	Policy term:	
		Future Secure		up to 15 years	3.60%
				16 years and above	4.00%
				Premium payment term:	
		Whole Life	Cimple	up to 15 years	3.50%
FY 2010- 11		vynole Life	Simple	16 to 20 years	3.90%
	Par			21 to 25 years	4.70%
	assurance			26 years and above	5.10%
				Policy term:	
		Future Secure	Simple	up to 15 years	3.60%
		1 3.13.10 0004.0		16 years and above	4.00%

For products launched in FY2014 the bonuses declared in the previous financial year is given below:

Financial year	Line of business (LoB)	Product	Bonus type	Bonus rate
		Cash Advantage <sup>1</sup>	Compound	5.25%
FY 2013-	FY 2013- 14 Par assurance	Savings Suraksha LP <sup>1</sup>	Compound	3.50%
14		Savings Suraksha RP <sup>1</sup>	Compound	2.25%

Financial year	Line of business (LoB)	Product	Bonus type	Bonus rate
		Anmol Bachat <sup>1</sup>	Compound	1.40%

Reversionary bonus rates for the current year:

LoB	Product	Bonus type	Bonus rate	
Life	Save 'n' Protect Series I and II	Compound	2.50%	
Life	Cashbak Series I and II	Compound	2.50%	
Life	Smartkid Series I and II	Compound	2.50%	
Life	Save 'n' Protect Mass	Compound	2.50%	
Life	Cash Advantage <sup>1</sup>	Compound	5.25%	
Life	Savings Suraksha LP <sup>1</sup>	Compound	3.50%	
Life	Savings Suraksha RP1	Compound	2.25%	
Life	Anmol Bachat RP <sup>1</sup>	Compound	1.40%	
Life	Whole Life	Simple	Premium payment term: up to 15 years 16 to 20 years 21 to 25 years 26 years and above	3.50% 3.90% 4.70% 5.10%
Life	Future Secure	Simple	Policy term: up to 15 years 16 years and above	3.60% 4.00%
Pension	Forever Life Regular Premium Series I and II	Compound	3.00%	
Pension	Forever Life Single Premium	Compound	3.00%	

Terminal bonus rates for the current year:

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<sup>&</sup>lt;sup>1</sup> The reversionary bonus rates are applicable on the Guaranteed Maturity Benefit and vested reversionary bonus, if any.

Product	UIN	Term (in years)	Terminal Bonus Rate
Save 'n' Protect Series I	105N004V01	10	30%
Save 'n' Protect Series I	105N004V01	11 and above	40%
Save 'n' Protect Series II	105N004V02	8 to 10	25%
Save 'n' Protect Series II	105N004V02	11 and above	25%
Smartkid Series I	105N014V01	13 and above	35%
Smartkid Series II	105N014V02	10	20%
Smartkid Series II	105N014V02	11 and above	25%
Cashback Series-I	105N005V01	15 and above	35%
Forever Life Regular Premium Series-I	105N001V01	13 and above	35%
Forever Life Regular Premium Series-II	105N001V02	5 to 9	20%
Forever Life Regular Premium Series-II	105N001V02	10 and above	35%
Forever Life Single Premium	105N002V01	13 and above	40%

# Interim bonus rates:

LoB	Product	Bonus Type	Interim bonus rate		
Life	Save' n' Protect Series I and II	Compound	2.50%		
Life	Cashbak Series I and II	Compound	2.50%		
Life	Smartkid Series I and II	Compound	2.50%		
Life	Save' n' Protect Mass	Compound	2.50%		
Life	Cash Advantage <sup>2</sup>	Compound	5.25%		
Life	Savings Suraksha LP <sup>2</sup>	Compound	3.50%		
Life	Savings Suraksha RP <sup>2</sup>	Compound	2.25%		
Life	Anmol Bachat RP <sup>2</sup>	Compound	1.40%		
Life	Anmol Bachat SP <sup>2</sup>	Compound	3.20%		
Life	Whole Life	Simple	Premium payment term: up to 15 years 3.5 16 to 20 years 3.9 21 to 25 years 4.7		
Life	Future Secure	Simple	26 years and above 5.1  Policy term:  up to 15 years 3.60  16 years and above 4.00		

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 $<sup>^{\</sup>rm 2}$  The interim bonus rates are applicable on the Guaranteed Maturity Benefit and vested reversionary bonus, if any.

LoB	Product	Bonus Type	Interim bonus rate
Pension	Forever Life Regular Premium Series I and II	Compound	3.00%
Pension	Forever Life Single Premium	Compound	3.00%

Interim Bonus is paid in respect of the following contracts:

- contracts that have completed their contractual period of guaranteed additions and have received a reversionary bonus and that result in death claim in the period from the date of declaration to the day immediately preceding any subsequent declaration;
- contracts that will be completing their contractual period of guaranteed additions and that result in death claim in the period from the date of declaration to the day immediately preceding any subsequent declaration.

# 4.5. Bonus rates (group products)

Bonus rates declared in the previous financial years:

Financial year	Bonus rate for group par assurance products	Bonus rate for group par pension products
FY 2013-14	8.50%	8.50%
FY 2012-13	9.00%	9.00%
FY 2011-12	9.10%	9.10%
FY 2010-11	9.85%	9.85%
FY 2009-10	7.50%+3.50%	8.50%+2.50%

Bonus rates for the current financial year:

Product	Bonus rate
Group Gratuity Suraksha	7.50%
Group Leave Encashment Suraksha	7.50%
Group Superannuation Suraksha	8.50%

In case of group par products, interim bonus has been recommended on contracts that result in death claims and on withdrawals, in the period, from the date of the bonus declaration to the day immediately preceding any subsequent declaration.

Product	Interim bonus rate
Group Gratuity Suraksha	7.00%
Group Leave Encashment Suraksha	7.00%
Group Superannuation Suraksha	8.00%

#### 4.6. Policyholders' reasonable expectations (PRE) (retail products)

Due consideration is given to the reasonable expectations of policyholders when making a distribution of surplus. "Reasonable" is not explicitly defined in the regulations and is left to the interpretation of the Appointed Actuary. Our interpretation of "Reasonable" refers to a well-informed, financially literate policyholder.

PRE can be formed with respect to many areas including the following:

- Nature of bonus
- Reversionary (added each year) vs. terminal (added only on claim)
- Type of reversionary bonus
- Simple vs. compound vs. super compound
- Level of bonus
- Level of guarantees implicit in the declaration

The main drivers of PRE are currently our point of sale material, the bonus rates declared last year and past communication with policyholders. We interpret our point of sale material as having created the expectation that bonuses would be compound reversionary for all products except for the products "Wholelife" and "Future Secure" for which it would be simple reversionary.

PRE ultimately needs to be set to the principle that each customer should receive a fair return on the premiums he has paid, allowing for the insurance protection and guarantees provided over the duration of his policy. The basic reference point for this, and therefore PRE, will be the asset share under the policy.

Policyholders enjoy the benefits and protection of both guarantees and smoothing for which they may be charged appropriately. However, the Company will not seek to make any systematic profit through these charges over generations of policies.

PRE will be shaped and actively managed through appropriate communication to the policyholder. The tools that will be used for this purpose are Sales Brochures, Policy Illustrations and annual communications of bonus rates.

Early duration surrender benefits will be established at a level that enables the Company to recover the cost of acquisition and capital support provided subject to the minimum surrender values written into the contracts.

#### 4.7. Policyholder reasonable expectations (PRE) (group products)

This being a relatively new LoB we interpret the main drivers of PRE currently as our point of sale material.

PRE ultimately needs to be set to the principle that each customer should receive at least a fair return on the premiums he has paid, allowing for the insurance protection and guarantees provided over the duration of his policy. The basic reference point for this, and therefore PRE, will be the asset share under the policy.

#### 4.8. Tax Rate

Tax is provided on surplus emerging under participating products. For the current valuation, we have assumed that the participating pension business is tax exempt. However, our interpretation of PRE would be that future bonuses would in any case reflect the taxes charged to the fund. As a result, the reserves would not be changed even if taxes came to be charged.

## 5. Valuation method - linked business

# 5.1. Methods adopted in the determination of mathematical reserves

For linked business, unit liabilities are fully matched. A non-unit reserve is also held which includes provision for the cost of any guarantee. Further details are given here:

Contract status	Category	Applicability	Method
	Unit reserves	Unit fund	The unit reserve is number of units held by the policyholder multiplied by the NAV at the valuation date.
In-force premium paying/ premium holiday	Non-unit reserves- except for group linked	Life cover, rider benefits and adequacy of charges to cover expenses	For base policy and associated mortality benefit we take the higher of the unearned risk benefit charges and all the projected cash flows. We allow for zeroisation under all contracts at a policy level, so that credit is taken for future positive cash flows only to the extent that they offset subsequent negative cash flows.  For riders, where charges are taken by a deduction of units a UPR, in other cases higher of UPR or GPV is held as reserve.
	Unit reserves	Unit fund	Paid up/surrender value to the credit of the policyholders
Lapsed	Non-unit reserves	Adequacy of charges to cover expenses during the maximum revival period.	Projected cash flows as for in force contracts allowing for zeroisation.  The cash flows do not include cost of insurance charges and claims out go.
		Reinstatement reserve	For pre-September 2010 policies Reinstatement rate is applied to the difference between the reserve assuming contract is in force and the charges on outstanding premiums and non-unit reserve For post-September 2010 policies the reinstatement reserve is calculated by allowing for refund of surrender penalty, levy of back charges, release of lapsed

Contract status	Category	Applicability	Method
			non-unit reserve and setting up of in-force non unit reserve, all multiplied by probability of revival, subject to a floor of zero.
Additional reserves	Cost of guarantee	Linked Plans with capital guarantee (other than Return Guarantee Funds)	For guarantees on products other than Pinnacle, the gross cost of guarantee is computed based on principles of market consistency. The fund values are projected using risk neutral asset return scenarios and the payout on account of the guarantee is calculated for each simulation. The present value of the payouts for each simulation is calculated by discounting using the forward rates of that simulation. The average of the present value of payouts from the simulations is the gross cost of the guarantee.  For Pinnacle there is no requirement for additional reserves on account of guarantee as the guarantee will be managed by following a Constant Proportion Portfolio Insurance strategy on the assets. The strategy dynamically allocates the investments between risky assets (equity) and risk free assets (debt), based on the performance of risky assets and yields available on risk free assets.
Additional reserves	Cost of guarantee	Return Guarantee Funds (RGF)	The RGF are closed ended tranches of funds that are intended to provide customers a return over a specified period, subject to a guarantee. The investments in this fund are in fixed income (debt) instruments. The expected returns achievable on the fund will be known at the outset. The quantum of the guarantee would depend upon our assessment of the risk adjusted yield of the portfolio, allowing in particular for any credit or reinvestment risk. Reserving for guarantee on these funds is done by deterministic modelling. The non unit reserve is on a prospective gross premium basis and is the present value of all future outgo less future income of the non unit fund calculated on a prudent basis, including the additional estimated cashflow associated with the guarantee
Group linked	Non-unit reserves		No reserves are held on account of expenses as charges are currently higher than expenses and expected to remain so.

Contract status	Category	Applicability	Method		
			In case of mortality benefits Unexpired risk		
			premium is held as non unit reserve.		

## 6. Valuation assumptions

#### 6.1. Interest Rate

The valuation interest rates for the various LoBs along with the details of the previous valuation are set out below:

LoB	At March 31, 2014	At March 31, 2015
Par life in-force	5.36%	5.07%
Par life paid up	5.61%	5.27%
Par group life	5.77%	5.37%
Par pension in-force	5.32%	5.08%
Par pension paid up	5.33%	5.24%
Par group pension	5.67%	5.15%
Annuity	5.49%	5.39%
Non par protection	5.53%	5.36%
Non par health	4.87%	5.27%
Non par group	4.96%	5.20%
Non par investment (other than GSIP & ASIP)	5.16%	5.33%
GSIP	5.23%	5.05%
ASIP	NA	4.47%
Health	5.71%	5.29%
Non-unit life, pension and health	5.08%	5.03%

#### 6.2. Inflation

## **Expense inflation**

The inflation assumption is 4.49% at March 31, 2015, while it was 4.84% at March 31, 2014.

#### **Medical inflation**

The medical inflation assumption is 19.49% at March 31, 2015, while it was 19.84% at March 31, 2014.

# 6.3. Mortality and morbidity rates for each product

The mortality assumptions are based on the Standard Mortality Table, IALM 06 -08.

Plan	Valuation basis at March 31, 2014			Valua	tion basis a	at Ma	arch 31, 2015	
Non-par Investment excluding	% of IALM 06-08 rated up by 1 year for males and rated down 1 year for females			% of IALM 06-08 rated up by 1 year for males and rated down 1 year for females				
GSIP,	Premiu	m<=18k   F	Premium >18k		Premiu	ım<=18k	Pre	mium >18k
ASIP, par pension, par assurance	125%	Ş	00%		125%		90%	6
Term	For ages	less than equa	I to 30: 80% IALM		For ages	less than eq	ual to	30: 80% IALM
products			r for males, rated					or males, rated
offline	•	1 year for female			•	1 year for fe		
(other than IProtect	_	-	30: 80% IALM 06-0 nales, rated down b		_	_		30% IALM 06-08
and ICare	1 year for		idies, rateu down t	У	•	r females	IIIaie	es, rated down by
	N/A	Tomaioo			-	ALM 06-08 ra	ted b	v 1 vear for
ASIP	,							ear for females
GSIP	85% of IALM 06-08 rated by 1 year for males			s	85% of IALM 06-08 rated by 1 year for			
GOII	and rated down 1 year for females				males and rated down 1 year for females			
	% of IALM 06-08 rated up by 1 year for males and rated down 1 year for females based on age and whether medically underwritten or not			% of IALM 06-08 rated up by 1 year for males and rated down 1 year for females based on age and whether medically underwritten or not				
	For non-r	medical (Jet ca	ses)		For non-	medical (Jet	cases	s)
Smart kid	Age	Premium <=18k	Premium > 18k		Age	Premiur <=24k		Premium >24k
(Linked)	<=30	190°	% 150%		<=30	19	00%	170%
	>30	140	% 110%		>30	15	50%	100%
	For medi	cally underwrit		,	For medi	cally underw		
	Age	Premium <=18k	Premium > 18k		Age	Premiur <=24k		Premium >24k
	<=30	170°			<=30		60%	140%
	>30	1209			>30	l .	25%	85%
IProtect			d by 1 year for male	S	60% of IALM 06-08 rated by 1 year for			
		l down 1 year f			males and rated down 1 year for females			
ICare	70% of IALM 06-08 rated by 1 year for males and rated down 1 year for females			S	70% of IALM 06-08 rated by 1 year for males and rated down 1 year for females			
	and rated down it year for females			indica dia rated down i year for females				

Plan	Valua	tion basis at N	/larch 31, 2014	Valua	ntion basis at M	larch 31, 2015	
	% of IALM 06-08 rated up by 1 year for males and rated down 1 year for females based on age and whether medically underwritten or not  Products before September 2010:				% of IALM 06-08 rated up by 1 year for males and rated down 1 year for females based on age and whether medically underwritten or not  Products before September 2010:		
		or non-medical (Jet cases)			medical (Jet case		
	Age	Premium <=18k	Premium >18k	Age	Premium <=24k	Premium >24	
	<=30	110%	100%			k	
	<=45	110%	85%	<=30	100%	85%	
	>45	90%	75%	<=45	95%	85%	
				>45	90%	70%	
	For medi	cally underwritte		l			
	Age	Premium	Premium	For med	ically underwritte		
Linked		<=18k	>18k	Age	Premium	Premium	
Business	<=30	95%	85%	<=30	<= <b>24k</b> 85%	> <b>24k</b> 75%	
(Assurance,	<=45	95%	75%	<=30 <=45	80%	75%	
Pension) other than	>45	80%	65%	>45	80%	60%	
	Duaduat	a aftar Cantan	-h 2010.	243	OU 70	00 76	
Smart Kid	For non-i	s after Septen medical (Jet case	es)		ts after Septem		
	Age	Premium	Premium		medical (Jet case	·	
	<=30	<= <b>18k</b> 110%	>18k	Age	Premium <=24k	Premium >24k	
	<=45	110%	70%	<=30	100%	100%	
	>45	90%	60%	<=45	100%	70%	
	7 40	30 70	0070	>45	80%	60%	
	For medi	cally underwritte	en business		00 70	0070	
	Age	Premium	Premium	For med	ically underwritte	n business	
		<=18k	>18k	Age	Premium	Premium	
	<=30	95%	85%		<=24k	>24k	
	<=45	95%	60%	<=30	85%	85%	
	>45	80%	55%	<=45	85%	60%	
				>45	70%	55%	
Home	80% of I	ALM 06-08 rate	d up by 1 year for	80% of	IALM 06-08 rated	d up by 1 year for	
Assure	males, ra	ted down by 1 y	rear for females.	males, ra	ated down by 1 y	ear for females.	
Home	80% of I	ALM 06-08 rate	d up by 1 year for	80% of I	ALM 06-08 rated	up by 1 year for	
Protect	males, ra	ted down by 1 y	ear for females	males, ra	ated down by 1 ye	ear for females	
Credit Assure	120% of IALM 06-08 rated up by 1 year for males, rated down by 1 year for females				IALM 06-08 rated down by 1 years	d up by 1 year for ear for females	
Group term	Unearne	d premium		Unearne	d premium		

Plan	Valuation basis at	March 31, 2014	Valuation basis at March 31, 2015		
Rural products - Mitr, Suraksha (RP), Suraksha Kavach (Individual), Sarv Jan Suraksha	385%of IALM 06-08		330%of IALM 06-08		
Annuity	Up to age 40: 25% LIC 96-98 for males, rated down by 4 years for females; Age 40 to 60 (Both inclusive): 40% LIC 96-98 for males, rated down by 4 years for females; From age 61: 65% (75%-10%) LIC 96-98 for males, rated down by 4 years for females; The mortality improvement is set as    Age at April 1,		Up to age 40: 25% LIC 96-98 for males, rated down by 4 years for females; Age 40 to 60 (Both inclusive): 40% LIC 96-98 for males, rated down by 4 years for females; From age 61: 65% (75%-10%) LIC 96-98 for males, rated down by 4 years for females; The mortality improvement is set as    Age at April 1,		
ADD and AD Riders	Unearned premium basi	s	2007-08 and would be fixed for life.  Unearned premium basis		
Level term rider Income Benefit rider Waiver of premium rider	For ages less than or eq IALM 06-08 rated up by rated down by 1 year for For ages greater than 30 rated up by 1 year for m 1 year for females	1 year for males, r females I: 105% IALM 06-08	For ages less than or equal to 30: 149% IALM 06-08 rated up by 1 year for males, rated down by 1 year for females For ages greater than 30: 105% IALM 06-08 rated up by 1 year for males, rated down by 1 year for females		

The mortality and morbidity assumptions for health products are given below:

Product name	Valuation basis at March 31, 2014	Valuation basis at March 31, 2015
Crisis Cover (mortality assumption)	145% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 105% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females	149% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 105% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females
Crisis Cover (CI benefit)	150% of reinsurance premium rates	150% of reinsurance premium rates
Cancer Care (mortality assumption)	80% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 55% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females	80% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 55% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females
Cancer Care (analysed with Cancer Care Plus)	120% of reinsurance premium rates	120% of reinsurance premium rates
Cancer Care Plus (mortality assumption)	80% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 55% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females	80% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 55% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females
Cancer Care Plus	130% of reinsurance premium rates	130% of reinsurance premium rates
Health Assure Plus (death benefit)	145% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 105% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females	145% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 105% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females
Health Assure Plus (CI benefit)	140% of reinsurance premium rates	140% of reinsurance premium rates
Health Assure (mortality assumption)	80% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 55% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females	80% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 55% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females
Health Assure	135% of reinsurance premium rates	135% of reinsurance premium rates
Hospital Care I (mortality assumption)	80% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 55% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females	80% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 55% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females
Hospital Care I (morbidity assumption)	160% of reinsurance premium rates	160% of reinsurance premium rates

Product name	Valuation	n basis at N	larch 31, 2	:014	Valuation	n basis at N	larch 31, 2	015
Hospital Care II (mortality assumption	by 1 year for males, and down by 1 year for females and 55% of IALM 06-08 after age 30, rated up by 1 year for males, and			80% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 55% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females				
Hospital Care II (morbidity assumption)				400% of reinsurance premium rates				
Diabetes Assure (mortality assumption)	up by 1 year year for fem after age 30	M 06-08 up for males, a ales and 240 , rated up by y 1 year for f	and down by 1% of IALM ( y 1 year for r	/ 1 06-08	363% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 253% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females			
Diabetes Assure	120% of prio	cing basis			120% of prio	cing basis		
Diabetes Care (mortality assumption)	Base: IALM 06-08 rated up by 1 year for males, and down by 1 year for females up to age 30 Males 0 Class 195% Males 1 Class 250% Males 2 Class 330% Males 3 Class 415% Males 4 Class 540% Females 0 Class 210% Females 1 Class 270% Females 2 Class 355% Females 3 Class 480% Females 4 Class 610% Above form for ages above 30 but with a reduction in mortality corresponding to 10% of the IALM 06-08 table			Base: IALM 06-08 rated up by 1 year for males, and down by 1 year for females up to age 30 Males 0 Class 195% Males 1 Class 250% Males 2 Class 330% Males 3 Class 415% Males 4 Class 540% Females 0 Class 210% Females 1 Class 270% Females 2 Class 355% Females 3 Class 480% Females 4 Class 610% Above form for ages above 30 but with a reduction in mortality corresponding to 10% of the IALM 06-08 table				
	Percentage				Percentage of CIBT-93			
	Age	Males	Females		Age	Males	Females	
	18-25	742%	405%		18-25	742%	405%	
	26-30	754%	393%		26-30	754%	393%	
Diabetes	31-35	669%	324%		31-35	669%	324%	
Care	36-40	542%	284%		36-40	542%	284%	
	41-45	445%	251%		41-45	445%	251%	
	46-50	340%	256%	<u> </u>	46-50	340%	256%	
	51-55	293%	246%		51-55	293%	246%	
	56-60 61-65	244% 240%	238% 246%	1	56-60 61-65	244% 240%	238% 246%	
				r for				for
Diabetes	Base: IALM 06-08 rated up by 1 year for males, and down by 1 year for females up			Base: IALM 06-08 rated up by 1 year for males, and down by 1 year for females up				
Care Plus (death	to age 30		to age 30					
•	Males 0 Class 240%		Males 0 Class 240%					
benefit)	Males 0 Cla	SS 24U%			Males 0 Cla	ss 240%		

Product name	Valuation basis at March 31, 2014			Valuation basis at March 31, 2015				
	Males 2 Class 405%			Males 2 Class 405% Males 3 Class 510%				
					Males 4 Clas			
	Females0 CI				Females0 Cl			
	Females 1 C				Females 1 C			
	Females 2 C				Females 2 C			
	Females 3 C				Females 3 C			
	Females 4 C		,		Females 4 C			
	_	ove 30 a 10%					% reduction i	
	•	rresponding	to 10% of the	ne	· ·		to 10% of the	ıe
	IALM 06-08				IALM 06-08			
	Percentage			1	Percentage		1	Ì
	Age	Males	Females		Age	Males	Females	
	18-25	703%	374%		18-25	703%	374%	
	26-30	724%	300%		26-30	724%	300%	
5	31-35	642%	265%		31-35	642%	265%	
Diabetes	36-40	498%	267%		36-40	498%	267%	
Care Plus	41-45	350%	233%		41-45	350%	233%	
	46-50	282%	210%		46-50	282%	210%	
	51-55	270%	208%		51-55	270%	208%	
	56-60	217%	207%		56-60	217%	207%	
	61-65	208%	210%		61-65	208%	210%	
Diabetes Care Active (mortality assumption)	420% of IALM 06-08 rated up by 1 year for males and 450% of IALM 06-08 rated down by 1 year for females up to age 30 and for ages above 30 295% of IALM 06-08 rated up by 1 year for males and 315% of IALM 06-08 rated down by 1 year for		males and 450% of IALM 06-08 rated down by 1 year for females up to age 30 and for ages above 30 295% of IALM 06-08 rated up by 1 year for males and 315% of IALM 06-08 rated down by 1 year for females					
Diabetes Care Active	females  120% of the pricing basis				120% of the pricing basis			
Death Benefit rider (mortality assumption)	420% of IALM 06-08 rated up by 1 year for males and 450% of IALM 06-08 rated down by 1 year for females up to age 30 and for ages above 30 295% of IALM 06-08 rated up by 1 year for males and 315% of IALM 06-08 rated down by 1 year for females			420% of IALM 06-08 rated up by 1 year for males and 450% of IALM 06-08 rated down by 1 year for females up to age 30 and for ages above 30 295% of IALM 06-08 rated up by 1 year for males and 315% of IALM 06-08 rated down by 1 year for females				
Death Benefit rider	120% of the pricing basis			120% of the pricing basis				
Major Surgical Benefit rider (mortality assumption)	90% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 65% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females			90% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 65% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females				

Product name	Valuation basis at March 31, 2014				Valuation basis at March 31, 2015			
Major Surgical Benefit rider	125% of reinsurance premium rates			125% of reinsurance premium rates				
Critical Illness Accelerated and Standalone (mortality assumption) rider	Standalone - 90% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 65% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for			Accelerated - Unearned Premium Standalone - 90% of IALM 06-08 up to age 30 , rated up by 1 year for males, and down by 1 year for females and 65% of IALM 06-08 after age 30 , rated up by 1 year for males, and down by 1 year for females				
	Age	Males	Females		Age	Males	Female	S
	18-20	1719	6 157%		18-20	171	% 157	%
	21-25	149%	6 157%		21-25	149	% 157	%
Critical	26-30	165%	6 160%		26-30	165	% 160°	%
Illness	31-35	175%	6 171%		31-35	175	% 171	%
Accelerated	36-40	155%	6 171%		36-40	155	% 171	%
and	41-45	157%	6 171%		41-45	157	% 171	%
Standalone	46-50	161%	6 166%		46-50	161	% 166°	%
rider	51-55	1449	6 153%		51-55	144	% 1539	%
	56-60	120%	6 140%		56-60	120	% 140	%
	61-65	109%	6 137%		61-65	109	% 137	%
		n CIBT 93		_	Based on CIBT 93			
		ALM 06-08 up				ALM 06-08 u <sub>l</sub>	_	
MediAssure		r for males, ar	•	•		r for males, a		
(mortality	for females and 65% of IALM 06-08 after				les and 65%			
assumption)	_	rated up by 1 · 1 year for fer	•	s, and	_	rated up by 1 v 1 year for fe	-	les, and
MediAssure	100% of reinsurance premium rates			i	100% of reinsurance premium rates			
	% of IAL	.M 06-08 rated	l up by 1 year	for	% of IALM 06-08 rated up by 1 year for			
	males ar	nd rated down	1 year for fer	nales	males and rated down 1 year for females			
	based on age and whether medically				based on age and whether medically			
	underwritten or not.				underwritten or not.			
	For non-medical (Jet cases):				For non-medical (Jet cases):			
Health Saver	Age	Premium <=18k	Premium > 18k		Age	Premium <=18k	Premium > 18k	
(linked	<=30	120%	110%		<=30	120%	110%	
product)	<=45	110%	85%		<=45	110%	85%	
(mortality	>45	90%	75%		>45	90%	75%	
assumption)								
	For med	ically underwi		S:	For med	ically underw		ess
	Age	Premium <=18k	Premium > 18k		Age	Premium <=18k	Premium > 18k	
	<=30	85%	80%		<=30	85%	80%	
	<=45	85%	65%		<=45	85%	65%	
	>45	70%	55%		>45	70%	55%	
	1 .5	.070	00 /0			. 0 , 0	20,0	

Product name	Valuation basis at March 31, 2014	Valuation basis at March 31, 2015
Health Saver (linked product) (morbidity assumption)	125% of reinsurance premium rates	125% of reinsurance premium rates
Diabetes Rider (mortality assumption)	105% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 65% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females	105% of IALM 06-08 up to age 30 , rated up by 1 year for males, and down by 1 year for females and 65% of IALM 06-08 after age 30 , rated up by 1 year for males, and down by 1 year for females
Diabetes Rider	145% of pricing basis	145% of pricing basis
Diabetes Rider (modified) (mortality assumption)	105% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 65% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females	105% of IALM 06-08 up to age 30, rated up by 1 year for males, and down by 1 year for females and 65% of IALM 06-08 after age 30, rated up by 1 year for males, and down by 1 year for females
Diabetes Rider (modified)	110% of pricing basis	110% of pricing basis
Waiver of Premium Benefits	100% of reinsurance risk rates	100% of reinsurance risk rates
Waiver of Premium- CI	100% of reinsurance risk rates	100% of reinsurance risk rates

# 6.4. IBNR

Late reported claims are analysed periodically and are allowed in the experience analysis for setting the valuation bases. However for one year renewable Group Term policies we hold an IBNR of 4 months of premium.

# 6.5. Expense Assumptions

Type of expense (₹)	Valuation basis at March 31, 2014	Valuation basis at March 31, 2015						
Renewal expense per policy								
All conventional and unit linked (includes in-force premium paying, paid up policies, lapsed/premium discontinuance state within revival period policies) except 1. Annuity 2. Riders 3. Rural 4. Policies in the premium discontinuance state beyond revival period of post September 2010 unit linked products	475	475						
Annuity	Annual annuity payment- 989 Semi annual payment- 989 Quarterly annuity payment- 1,031 Monthly annuity payment- 1,169	Annual annuity payment- 989 Semi annual payment- 989 Quarterly annuity payment- 1,031 Monthly annuity payment- 1,169						
Riders	0	0						
Mitr, Suraksha (SP, RP), Suraksha Kavach Sarv Jan Suraksha Anmol Bachat	35	40						
Policies in the premium discontinuance state beyond revival period of post-September 2010 unit linked products	0	475						
Renewal Expense per premiui	m							
All conventional and unit linked in force, paid up and lapsed policies (% of annual premium) except 1. MRTA 2. Credit Assure 3. Old Conventional SP Bond 4. Retail Immediate Annuity 5. Group Business 6. Riders 7. Rural	1.50%	1.65%						
Post-September unit linked single premium product	0.75%	0.83%						

Type of expense (₹)	Valuation basis at March 31, 2014	Valuation basis at March 31, 2015	
Post-September unit linked regular premium contracts (for in force policies through out the term and for premium discontinuance state policies in the first two years in this state)	0.75%	0.83%	
Claim expenses per policy (₹)			
Cancer Care Cancer Care Plus Crisis Cover Diabetes Care Diabetes Care Plus Diabetes Assure Diabetes Care Active Heath Assure Plus	6,870	7,369	
IProtect ICare ICare II	10,990	11,788	
Hospital Care Health Saver MediAssure Suraksha Kavach (SP) Disability Claims	145	156	
Diabetes Care Diabetes Care Plus Diabetes Care Active Cancer Care Plus Males (20 to 50 years) Males (above 51 years) Females (20 to 40 years) Females (above 41 years)	2,880	3,089	