

CITI

Diamond
Jubilee



CITI GLOBAL TEXTILE CONCLAVE 2018

THE FIBRE STORY – OPPORTUNITIES

& CHALLENGES (MMF)

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28 Nov 2018

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MMF STORY

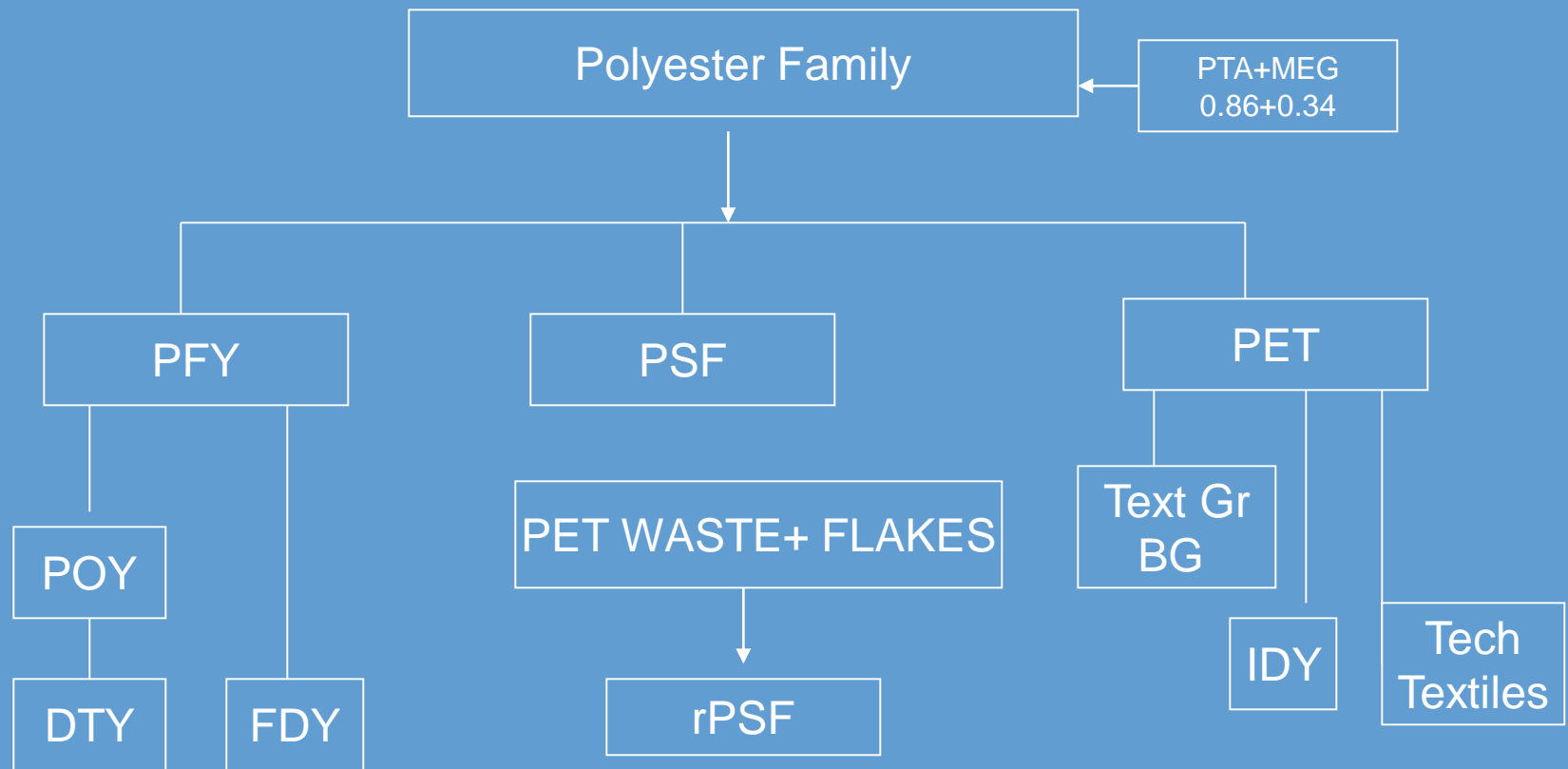


FIBRE STORY (MAN MADE FIBRES)

2017-18 Data

POLYESTER	6.0	85%	PFY	3.5-4.0 (POY 2.0+ FDY 1.5)
VISCOSE	0.45 – 0.5		PSF	1.5 – 1.8 incl rPSF (0.5-0.6)
NYLON	0.1 – 0.2		PET YARNS	0.5 (Tech Text + IDY)
ACRYLIC FIBRE	0.1 -0.15			
		TOTAL MMF	7.0 MT	
POLYESTER CONSTITUTES APP 85% OF MMF				

THE FIBRE STORY (POLYESTER)



STORY OF POLYESTER FILAMENT YARN

- INDIA IS GROWING AT ROBUST 8-9%
- CURRENT PFY CAP AROUND 3.5 MT
 - APP 20% CAP UNUTILISED
- EXPECTED GRWOTH 6% NEXT DECADE
- EXPECTED 4 MT BY 2020 & 5.5 MT BY 2025
 - BY 2025 NEED ADDLN 2 MT PFY
 - APP 0.5 MT PROJECTS IN PIPELINE
- ADDLN 1.5 MT PFY MORE REQD BY 2025

PFY CONTINUED

CURRENTLY 30 PLAYERS
ONLY FEW PLAYERS IN TOP LIST WITH 0.5 MT CAP
MIN CAP OUTLOOK 0.5 MT /YR
SMALL PLAYERS CANNOT SURVIVE
ONLY SPECIALTY PRODUCTS ON SMALLER LINES

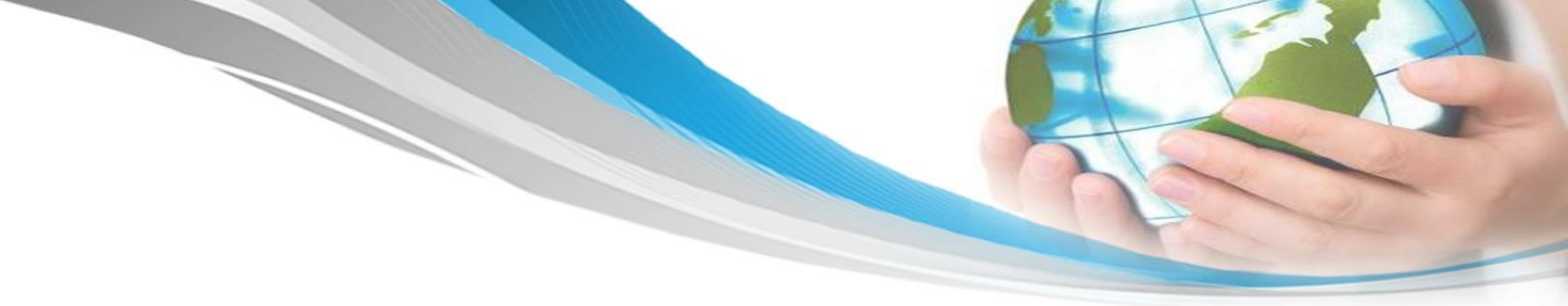
GROWTH FOR SEMIDULL FILAMENT
GROWTH FOR SPECIALITY FILAMENT PRODUCTS
BRIGHT, SHE,DOPE DYED, AIR TEX,MULTI FIL
HIGH COUNT, MICRO, PROFILE ORIENTED
SHT, TnT, SLUB,YOLK,CD,AND MANY MORE

SPECIALITY FILAMENT APP 15-20% OF TOTAL DEMAND
TO CONTINUE

POY

DTY

FDY



POY STORY

POY IS MEDIUM TERM PRODUCT OF PFY
CANNOT BE USED IN WEAVING OR KNITTING UNLESS
FULLY DRAWN OR DRW TEXTURED

MAJOR USE APP 80% IN DTY PRODUCTS
OTHER END USE FOR FLAT YARNS, WARP KNITTING

STORY OF DTY

CURRENTLY APP 3000 MCS INSTALLED ONLY 60-70% OPERATING
CURRENT INSTALLED CAP 3 MT OPERATIVE APP 2 MT

DEMAND GROWTH 11-12%
FORECAST DEMAND 8-9% IN NEXT DECADE

MAJOR PALYERS WITH MORE THAN 100 MCS
CONVERTING 80-90% OF POY
MAJOR DEMAND IN SAREES , DRESS MATERIALS, SPORTS WEAR

GROWTH TO CONTINUE IN SPECIALITY PRODUCTS

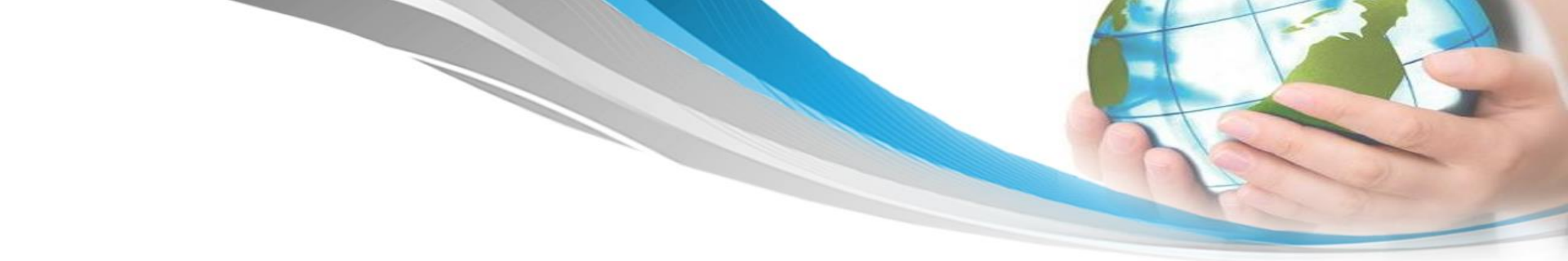
MANUAL MCS ALMOST 90%
NEXT DECADE MAY SEE AUTOMATIC DOFFING MCS
MCS WITH SPECIALITY ATTACHMENTS

NEW PRODUCTS OF FDY

CURRENTLY 20 PLAYERS IN OPERATION WITH MORE THAN
1.5 MT CAPACITY COMBINED

DEMAND GROWTH INITIALY 10-12 % LAST DECADE
NEXT DECADE GOWTH WILL SETTLE AT 8-9%

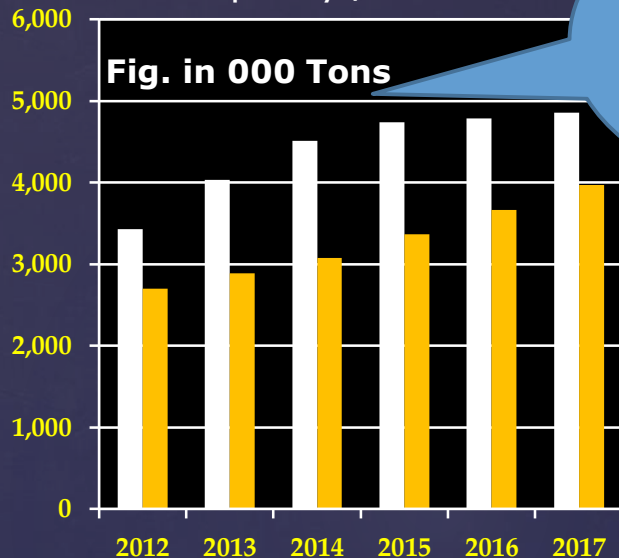
FDY PROCESS IS SINGLE STEP COST EFFECTIVE PROCESS
MORE & MORE MCS UNDER INSTALLATION
EXPECTED DEMAND 2 MT BY 2020 & 3 MT BY 2025



Polyester Production & Growth Forecast

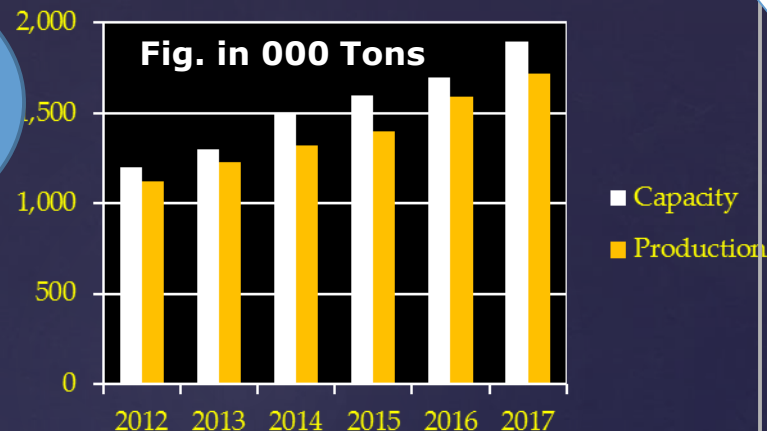
India Polyester Production

Filament Capacity / Production



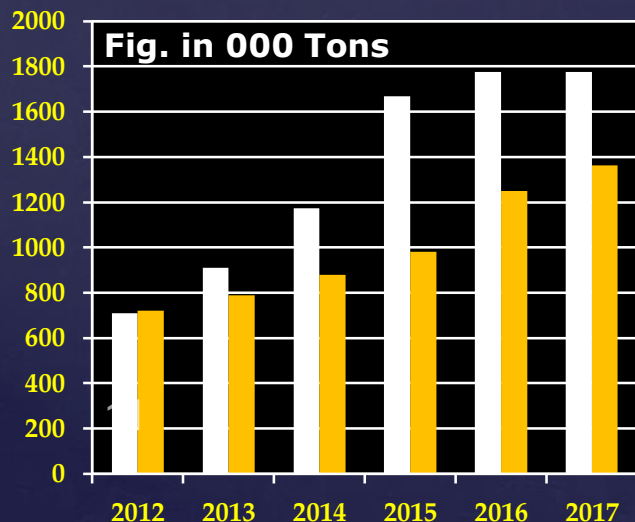
**Polyester
Filament
growth is
higher than
PSF**

Staple Capacity / Production



**Addn 0.5
MT
Polyester
cap is in
pipeline**

PET resin Capacity / Production



PSF Virgin + Recyclate capacity

	Virgin	Recyclate	Total
2012	950	250	1200
2013	950	350	1300
2014	1050	450	1500
2015	1050	550	1600
2016	1100	600	1700
2017	1150	650	1800

PSF STORY

Recycled fiber is 30% of total fiber capacity. Currently it is 0.5 million tons whereas virgin fiber is 1.5 million tons.

India Polyester Production Growth Forecast

Fig. in 000 Tons

	2013	2014	2015	2016	2017
Staple	1,230	1,322	1,415	1531	1654
Filament	2,890	3,105	3,338	3,605	3911
Total	4,120	4,430	4,785	5,257	5,690
Pet Resin	790	968	1,113	1,280	1,408

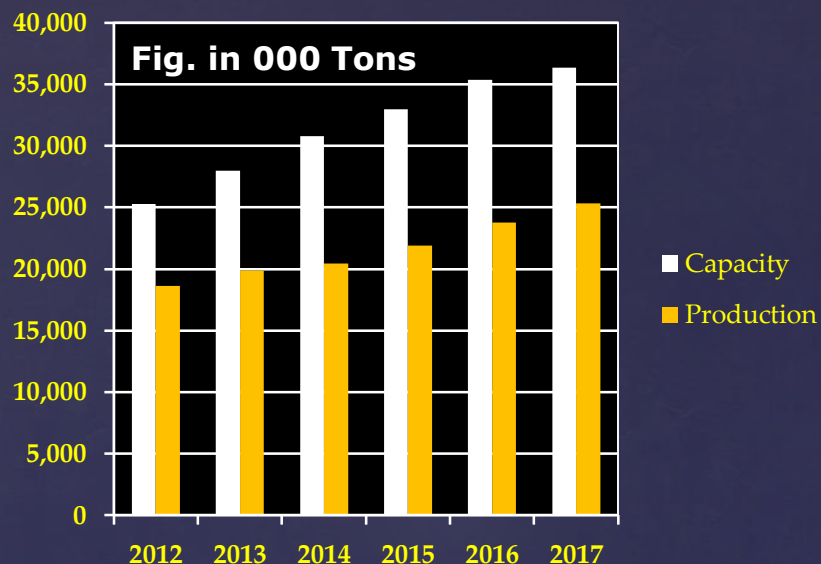
Fig. in %

	2013	2014	2015	2016	2017
Staple	9	7.5	7.0	8.2	7.4
Filament	7	7.5	8.0	8.5	8.0
PET resin	15	20	15	15	10

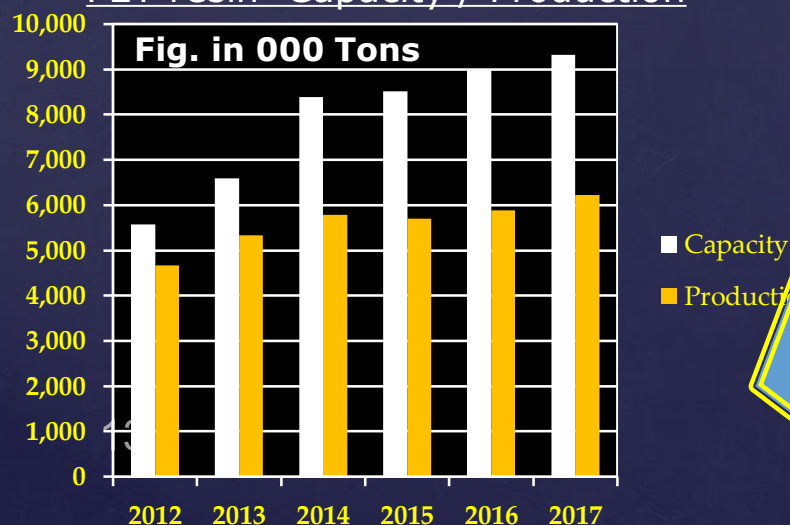
**Overall,
Polyester
demand has
hampered due
to Cash
crunch & GST
factors in
2017-18**

China vs India (Polyester Production)

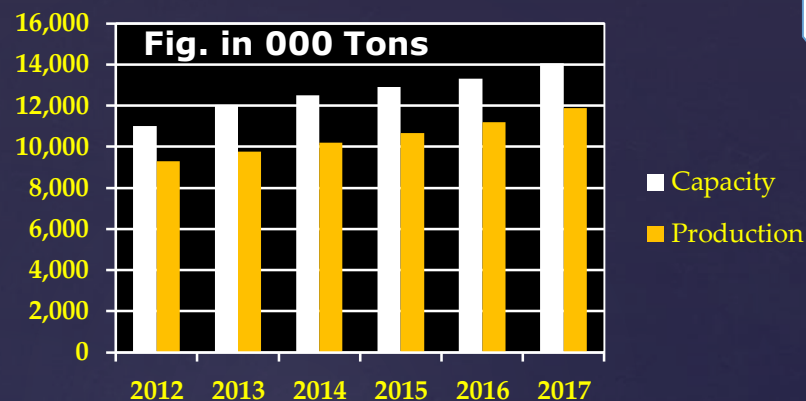
Filament Capacity / Production



PET resin Capacity / Production



Staple Capacity / Production

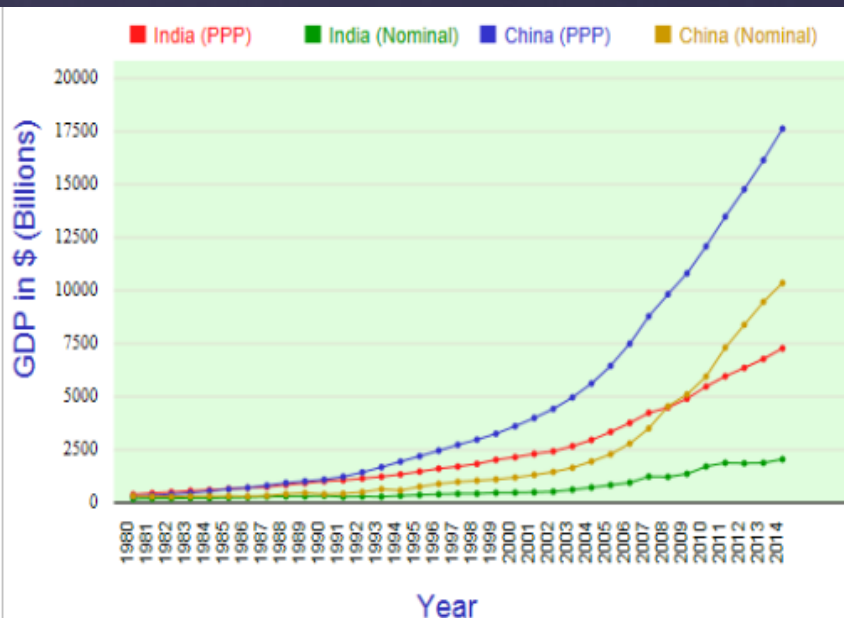


	Filament		Staple Fiber		PET	
	India	China	India	China	India	China
2012	2700	18645	1124	9295	720	4670
2013	2890	19873	1230	9748	790	5332
2014	3077	20425	1325	10188	880	5781
2015	3365	21881	1400	10655	982	5705
2016	3667	23755	1590	11206	1250	5885
2017	3970	25339	1720	11877	1362	6223

**CHINA CAP IS 25 MT
PFY & 12 MT PSF
WHEREAS INDIA CAP
IS 4 MT PFY & 2 MT PSF
TOTAL CHINA FIBRE &
FIL 37
INDIA 6 MT**

China vs India (GDP, GDP growth rate, per capita consumption)

GDP (Nominal and PPP)



GDP growth Rate



Per capita consumption (Kgs)

Region	Cotton			Polyester		
	2005	2010	2015	2005	2010	2015
World	4.0	3.7	3.4	3.7	5.1	6.3
China	7.0	8.0	5.5	10.0	18	22
India	3.3	3.9	4.2	1.8	2.5	4.7



POLYESTER STAPLE FIBRE

PSF THE OLD GOLD

- CURRENTLY 6 PLAYERS IN OPERATION
- COMBINED INSTALLED CAP 1.28 M TONS
- ONE MORE PLAYER EXPECTED TO ADDDED BY 19
- TOTAL CAP IN 2019 EXPECTED 1.46 MT
 - AVERAGE PLANT UTILIZATION 75%
 - CURRENT DEMAND APP 1.1 MT
 - CAGR 6-7% FOR NEXT 5 YRS
- DEMAND EXPECTED TO GO UP TO 2 MT BY 2025
AS MORE SPINNING USAGE ,SPECIALITY FIBRES &
INCREASED USAGE FOR TEXTILES

SPECIALITY FIBRES GROWTH 15%



RECYCLED POLYESTER STAPLE FIBRE

RECYCLED POLYESTER STAPLE FIBRE

- MORE THAN 30 PLAYERS & ADDING
 - CAPACITY RANGING 20-40 TPD
- OVERALL INSTALLED CAPACITY APP 0.4 MT
 - CAP UTILISATION 70%
- DEMAND GROWTH OF HOLLOW FIBRES 15-18%
 - OTHER DYED & SD FIBRES 10%
 - OVERALL GROWTH 12%
- 100% RECYCLE OF INHOUSE & PET FLAKE WASTE
 - ECO FRIENDLY PROCESS

RECYCLED FIBRE PLANT MUST FOR A BIG PLAYER

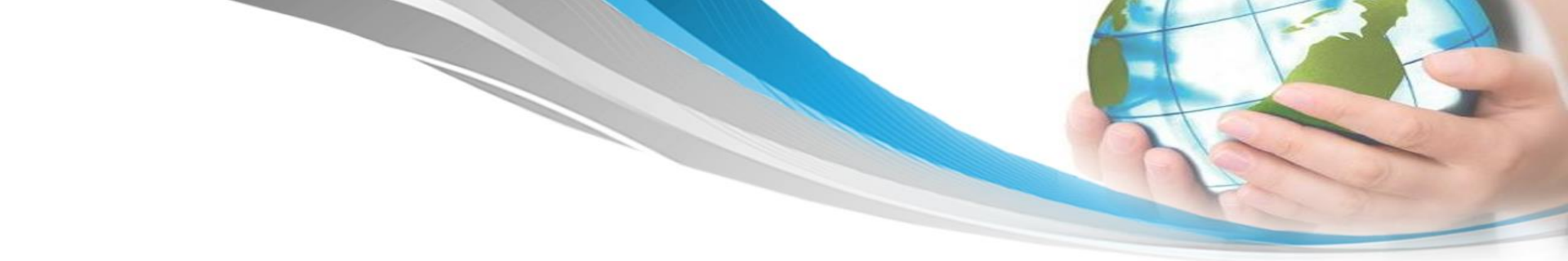
CAN WE LIVE WITHOUT THIS ?

POLYESTER SPECIALITY FIBRES
GROWTH FOR SURVIVAL

GROWTH 15-20%

DOPE DYED BLACK FIBRE
COLORED MELT DYED FIBRES
BRIGHT HIGH TENACITY FIBRE
BRIGHT ROUND X SECTION FIBRE
BRIGHT TRILOBAL FIBRE
SHT FIBRE
OPW / OB FIBRE
HOLLOW FIBRE
HOLLOW CONJUGATE FIBRE
HOLLOW SOLID & SILICONISED FIBRE

CURRENT DEMNAD AT 300,000 TONS
EXPECTED TO TOUCH 1 MT BY 2025



SUMMARY

SUMMARY

- BY 2025 PER CAPITA POLYESTER CONSUMPTION
 - EXPECTED TO INCREASE 6-7 Kg
 - THIS WOULD INCLUDE ADDITIONAL 1.5 MT PFY
 - 1 MT PSF, 0.5 MT RPSF 1 MT DTY

**2 BIG NEW PLANTS PLUS ADDITIONAL CAP NEEDED
OLDER PLANTS WILL CLOSE GRADUALLY**

**GROWTH TO SPUR IN SPECIALITY FIBRES
RPSF, TECHNICAL YARNS & NON APPAREL HOME TEXTILES
HYGEINE FIBRES & HIGH PERFORMANCE FIBRES
MORE DEMAND IN DENIM, SPANDEX, SPORTS WEAR
EASY WEAR FABRICS SAREES DRESS MATERIALS
& USAGE OF FINE POLYESTER FABRICS**



THANKS



**THANKS TO THE AUDIENCE
THANKS TO THE ORGANISERS**

&

**FINALLY THANKS TO *CITI*
For invitation to
GOLDEN JUBILEE CELEBRATIONS**