

# **TRANSNET CAPITAL PROJECTS**

## **CESA Presentation**

3<sup>rd</sup> June 2010

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General Manager: Project Development & Execution

## ✓ Overview of Transnet

- Mandate, vision and values
- Turnaround over last 5 years
- Overview of 2009/2010 performance
- Transnet 2010/11 Corporate Plan
  - Strategic priorities
  - Summary of Shareholder Compact and targets
  - Key commodities to be prioritised
- Transnet's role in SA Infrastructure
  - Overview of national infrastructure investments
  - Challenges in rolling out investment plans

# INTRODUCTION

## Shareholder mandate

- Transnet’s key role is to assist in lowering the cost of doing business in South Africa and enabling economic growth through providing appropriate ports, rail and pipeline infrastructure and operations in a cost-effective and efficient manner and within acceptable benchmark standards.
- Transnet is self-funded and does not receive subsidies from the State and accordingly Transnet must earn an appropriate return on investment to ensure the sustainability of the company over the long term.

## Vision and mission

- Transnet is a focused freight transport company, delivering integrated, efficient, safe, reliable and cost-effective services to promote economic growth in South Africa.
- This is to be achieved through increasing our market share, improving productivity and profitability and by providing appropriate capacity to our customers ahead of demand.

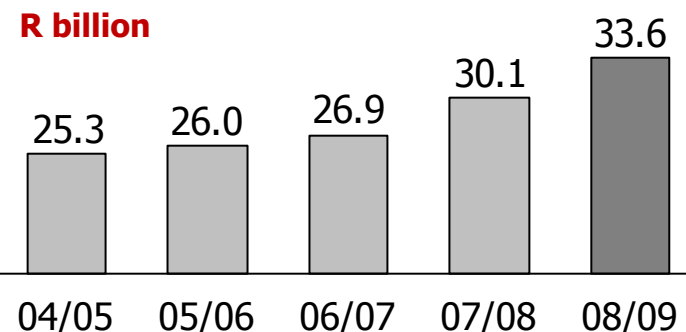
## Values

- We would like our customers to prefer us because:
- We are reliable, trustworthy, responsive and safe; and because:
  - Our employees are committed, safety conscious, accountable, ethical, disciplined and results orientated.

# TRANSNET HAS EFFECTED A SUCCESSFUL FINANCIAL TURNAROUND OVER THE PAST FIVE YEARS

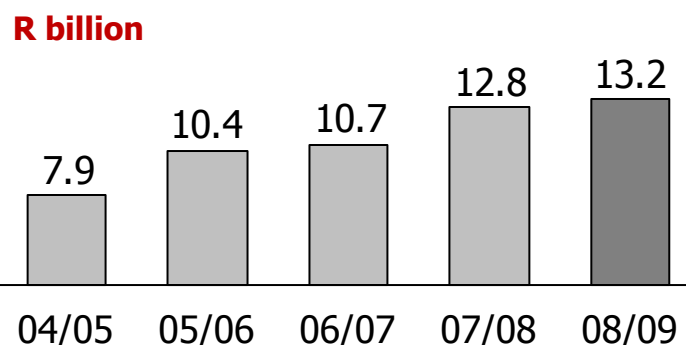
## Revenue

- Continuous increase in revenue showing results of initiatives to grow the business, with revenue increasing from R25.3bn in 2004/05 to R33.6bn in 2008/09 (7.4% CAGR)



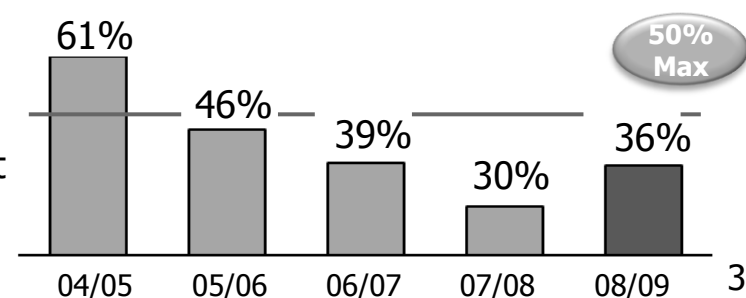
## EBITDA

- Improvements through:
  - Operational efficiency improvements, effective cost cutting initiatives mainly due to reengineering projects
  - Sale of non-core businesses
- Improvement from R7.9bn in 2004/05 to R13.2bn in 2008/09 (13.7% CAGR)



## Gearing (%)

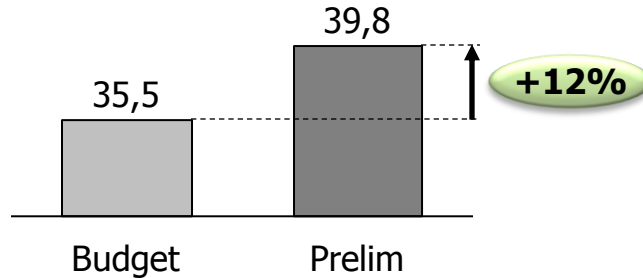
- Balance sheet restructuring and cost effective debt structures yielding positive results with consistent below target gearing from 61% in 2004/05 to 36.2% in 2008/09
- This enables Transnet to fund capital investments more cost effectively and without government guarantees



# OVERVIEW OF PERFORMANCE 2009/10: KEY FINANCIAL RATIOS

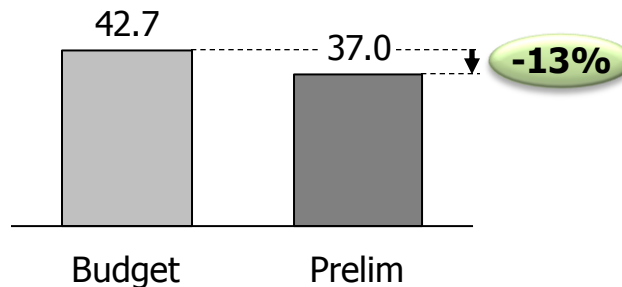
## (prelim results)

### EBITDA Margin (%)



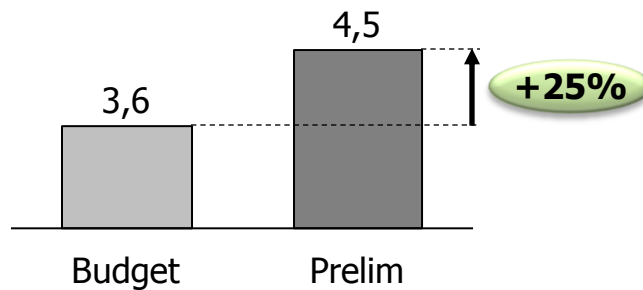
- Improvement in margin mainly due to impact of cost savings initiatives of >R2.5bn

### Gearing (%)



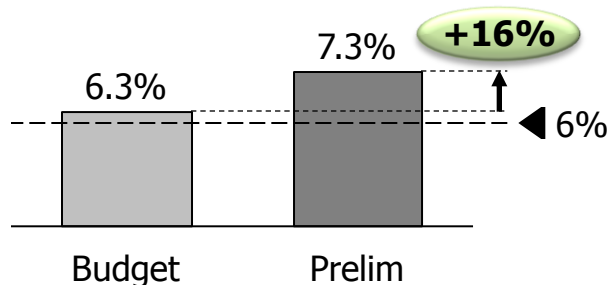
- Gearing improvement aided by prioritisation of capital spending during 2009/10

### Cash Interest Cover (times)



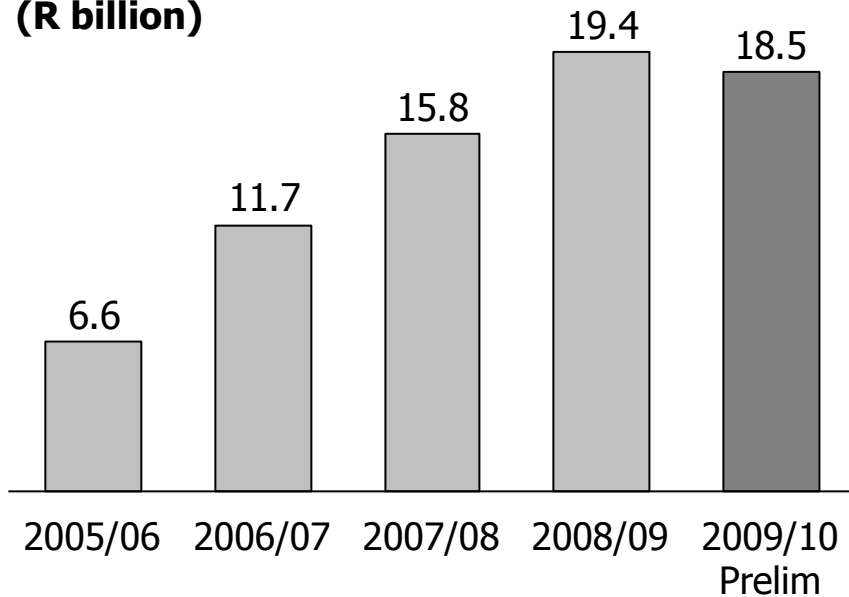
- Despite lower revenue (TPL tariffs and TRE external sales), cash interest cover well above targeted levels

### Return on Assets (%)



- Target 2009/10: 6% (2009/10 Compact)
- Required Return: >10% (5 year target)
- Improved asset utilisation a key priority

## Transnet Group Historical Capital Investment (R billion)



Total  
Investment over  
past 5 years:  
R72bn

- The following major milestones in creating capacity ahead of demand have successfully been rolled out during the year:
  - Durban Harbour entrance channel widening and deepening was successfully commissioned in March 2010. The entrance channel has been widened to 225m from 140m and dredged to a depth of 18m from the initial 12m.
  - Locomotive programme: 6 of the 110 dual voltage (19E) locomotives for the Coal Line have been commissioned, 37 units are expected to be delivered in 2010/11 and all 50 of the EMD 'like new' locomotives have been delivered and operating in the general freight business. Three of the 44 locomotives for the iron ore (15Es) have been delivered and are currently undergoing acceptance testing.
  - Cape Town Container Terminal Capacity Expansion and Equipment on track with spending to date of R0.9bn.
  - Port of Ngqura commenced operations in October 2009.
- Transnet will continue to focus on the nature and extent of capital investment spending during the 2010/11 financial year in order to ensure an optimal capital portfolio in line with business needs and capacity requirements.

# MAJOR CAPITAL INVESTMENTS: 2009/10 ACHIEVEMENTS & PROGRESS

## Deepening and Widening of Durban Harbour Entrance Channel

### Project by Numbers:

Project complete and handed over. Project close-out progressing well

Temporary sand bypass (TSS) system now operational. An extension to the TSS RoD to Dec 2013 received

**Permanent Sand Bypass:** FEL -3 study progressing well. Final designs to be completed by June 2010



**8 000 TEUs** Size of ship that can now call at Durban Port after widening and deepening project



## Cape Town Container Terminal Expansion Project

### Project by Numbers:

**R4.4bn** The total cost of the CTCT expansion project

**0.7 million TEUs** since 2007  
**0.9 million TEUs** the capacity in 2010  
**1.4 million TEUs** will be achieved upon completion of expansion plans

**Berth 602** Hand-over of the first section of has resulted in container vessels of 305m being berthed routinely



**1.23 million m³**  
 Quantity of sand to be dredged

**16** The number of RTG cranes already commissioned, total of 32

**4** The number of STS cranes, 2 cold commissioned, 2 not on site to date





## Project by Numbers:

**1 million LTI Free hours**  
Achieved over a period of 7 months on a complex project made up of various contracts being executed within confined sites

## Road over rail bridge handed over

**Staff Parking** Final hand-over  
in progress



**Straddle Carrier Workshop** Erection of steel trusses in progress



## Project by Numbers:

**13 000** parking bays

**Durban Point Car Terminal** Construction work complete. Project close-out in progress.



## Island View Berth Upgrades

## Island View Berth 5 Value Engineering Proposal finalised, awaiting sign-off by TNPA

**IV Bunker Barge Berth 10**  
Warrant and cash-flow  
approved by TNPA.  
FEL-4 phase to commence





# MAJOR CAPITAL INVESTMENTS: 2009/10 ACHIEVEMENTS & PROGRESS

## Salisbury Island and Maydon Wharf

### Project by Numbers:

Negotiations taking place between Transnet and Dept. of Public Works to conclude a Land sale agreement

**Replacement Facilities for the Navy** Construction to commence during 2010

**Maydon Wharf Berth 12 Reconstruction** Designs complete. Construction to start in Aug 2010

**Reconstruction of steel sheet pile berths** Funds allocated over next 5 year period for reconstruction



## Roads: Edwin Swales & Link Roads

### Project by Numbers:

Feasibility study is in progress with geotechnical studies complete

Environmental approval to commence in 2010



## Bayhead Road Widening & Upgrade

Designs complete. Tenders are being called for at present.

Construction to commence by Jul 2010



# MAJOR CAPITAL INVESTMENTS: 2009/10 ACHIEVEMENTS & PROGRESS

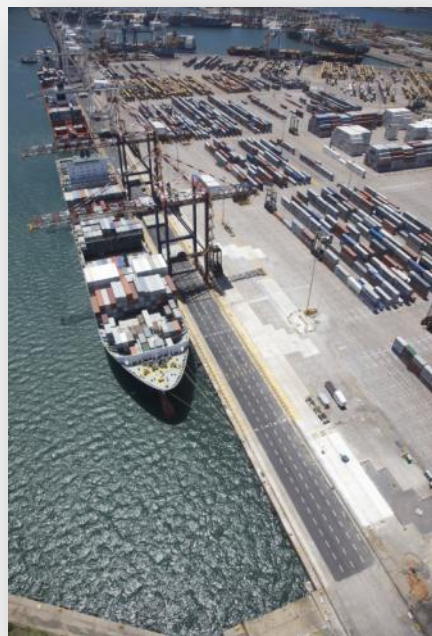
## Berth Deepening: Container Berths

### Project by Numbers:

Scour protection to Container berths to commence in next 2 months

In terms of current design, dredging from 11.5m to 12.8m in the container channel and on the berths is nearing completion

Feasibility study for deepening of container berths complete-some elements being verified



Environmental authorisation process to commence in next 2 months

**Berth deepening** to commence within the 5-year capital program



## Richcor: Port Projects

### Project by Numbers:

#### Port to Nsezi Rail Link

Draft Board and public notices fore EIA process has been finalised

HMG JV handover to TCP is progressing well

#### Richard Bay Dry Bulk Terminal Refurbishment

Hot commissioning of the IMG MAN shiploader is due for completion during May 2010.

## Rail Projects (Coal Line)

**71 mtpa** Task order issued to RME to commence construction of track switch structure for Delmas, Argent & Kendal traction subs

**81 mtpa** Capital investment Application approved, includes The FEL-3 study and EIA.

FEL-3 Study Team being mobilised





# MAJOR CAPITAL INVESTMENTS: 2009/10 ACHIEVEMENTS & PROGRESS

## Port of Ngqura

### Project by Numbers:

Project close-out in progress

Ngqura Master Plans report in the process of being finalised

**3<sup>rd</sup> Tug** will be delivered by 31 May 2010. First 2 tugs fully operational



**Flooding of quay wall** scheduled for 27 May 2010

**Dredging tender** has been penned and site inspection scheduled for 20 May 2010

Spatial/Site Development plan with the CDC (for approval by Municipality, and Emergency Plan for Marshalling Yard submitted to CDC

## Locomotive fleet renewal

### Project by Numbers:

**R3.2bn** The total estimated cost of 50 EMD's and 100 diesel electric locos

**>30 years** The average age of TFR's existing fleet

**<15 years** The average age of a "Class 1" railway's locomotives (TFR target ~20 years)



**50** The number of EMD locomotives commissioned as at March 2010 (flag-ship CSDP)

**59** The number of new mainline locos (incl EMD) in operation as at March 2010 (130 by 2011)



# MAJOR CAPITAL INVESTMENTS: 2009/10 ACHIEVEMENTS & PROGRESS

## Port of Ngqura

### Project by Numbers:

**R7bn** Transnet's investment in Port of Ngqura

**Port Control** Equipped with world-class maritime equipment including high tech vessel traffic management information systems

**60 hectares** The size of the Ngqura Container Terminal



**800 000 TEUs** The current capacity in TUEs of the Ngqura Container Terminal

**1.5 million TEUs** The capacity in TEUs the terminal is set to reach by 2015

**22** The number of rubber-tired gantry cranes in use at the port, **6** ship-to-shore cranes, **2** rail mounted gantry cranes



## Port of PE: Manganese Refurbishment

### Project by Numbers:

**R1bn** investment required to refurbish the facility

Physical project is complete.

Potential solution or noise and centre chute wearing off on new Reclaimer B recommended and being discussed



**4.2mtpa** Restoration of capacity to this level. Previous capacity was constrained to 2.8mtpa

**6mtpa** Plans are to increase to this level of throughput as per design capacity of terminal





# MAJOR CAPITAL INVESTMENTS: 2009/10 ACHIEVEMENTS & PROGRESS

## Sishen-Saldanha Ore Line

### Project by Numbers:

#### Phase 1A Dust Mitigation & Reverse Osmosis (RO) Plant

Environmental authorisation received for RO Plant. Site establishment commenced for civil works

**Phase 1B** Capacity Expansion & Upgrade. Contract for installation of mooring hooks due to commence shortly

**Phase 1A Rework** Site works completed, contracts being closed.

**Phase 1B Marine Works** Work on maintenance dredging has been stopped



## Sishen-Saldanha Ore Line

### Project by Numbers:

#### Phase 1A&B Rail

Formation Repairs work on site is complete and ready for defects inspection.

**Phase 1C Upgrade/ Expand Port & Rail Facilities** Work associated with rebalancing of Shiploaders has been agreed to by TPT



#### Power Upgrade

Planting of concrete masts up to Loop 6 complete  
Loop 15 – 19 nearing completion  
Agreement between Transnet and Eskom has been signed for the Substation at Loop 18





# MAJOR CAPITAL INVESTMENTS: 2009/10 ACHIEVEMENTS & PROGRESS

## New Multi-Product Pipeline (NMPP)

### Project by Numbers:

**R15,4 billion** Cost of the project

### Pipeline Construction (PL3)

The Uncle Charlie's Horizontal Directional Drilling (HDD) has been completed.

### Pipeline 1 (PL1)

The Durban section of PL1 achieved 1 million accident free hours (LTI's)



**The Integrated Project Team (IPT)** achieved 500 000 accident free hours (LTI's) for the first time since the start of the project

### Project by Numbers:

**PL1 (Jameson Park to Durban)** Five trenching machines mobilised on the project.  
**199km** excavated to date

**14 trenchless** crossing sleeves completed with 24 remaining

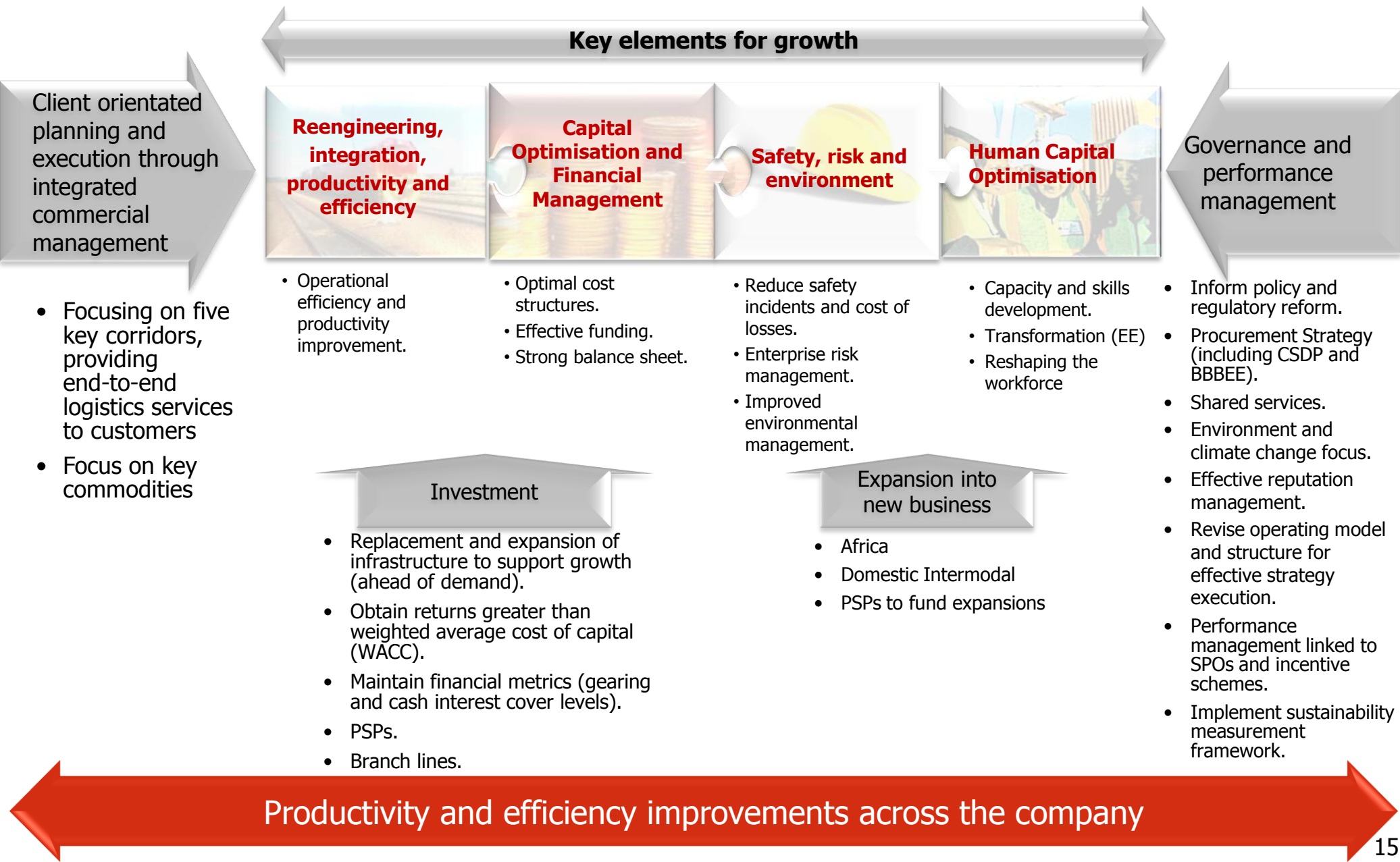
**353km** of pipeline delivered to pipe yards  
**330km** strung on the Right of Way (RoW)  
**138km** bedding and lowering achieved  
**103km** backfilled



**PL4 (Anglo Coal Section)** Pipe stringing and bending completed at the Anglo Coal Section.  
**3.8km** has been welded, coated and ready for lowering-in.

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# STRATEGIC PRIORITIES: 2010/11



# SUMMARY OF STRATEGIC OBJECTIVES IN SHAREHOLDER COMPACT: 2010/11

## Volume and Revenue Growth

- Grow rail volumes in key General Freight Business sectors
- Actively and vigorously contribute towards the reduction on overall transport and logistics cost

## Capital and financial efficiency

- Transnet shall maintain a strong balance sheet with gearing at appropriate levels and sufficient cash interest cover
- Earn an appropriate return on investment to ensure the sustainability of the company

## Operational efficiency

- Improve operating efficiencies and effectiveness in line with industry standards
- Net operating margin improvement in key business units, based on cost reduction and containment

## Infrastructure Investments

- Make appropriate investment in ports, rail and pipelines to enable growth where the investment return is greater than Transnet's WACC

## Developmental objectives

- Contribute towards ASGI-SA through its core business and leveraging the economic benefits from associated activities (i.e. Competitive Supplier Development Program)
- Skills development and Black Economic Empowerment

## SHEQ

- Increase focus on significantly improving health and safety standards in line with leading practices
- Ensure compliance with environmental laws and proactively reduce negative environmental impacts

Aligned with Transnet's Growth Strategy



# 2010/11 CORPORATE PLAN FOCUS AREAS



Achieving objectives within a framework of corporate governance, internal controls, dynamic management, leading practices and legal compliance





# VOLUME GROWTH- KEY COMMODITIES

Sector

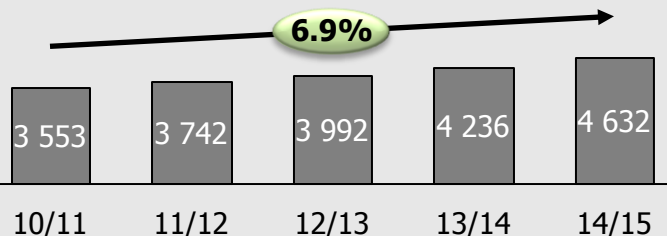
Market outlook

Transnet Projection

Value for Transnet from  
key commodities

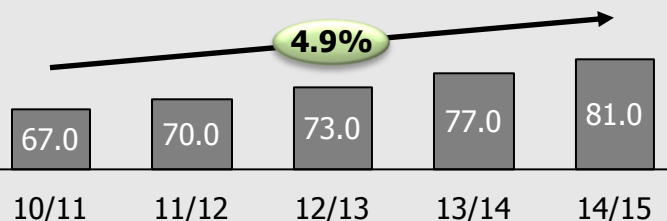
**Maritime  
Containers  
(<sup>'000</sup> TEUs)**

South African  
container  
growth is  
expected to be  
between  
6%-9%



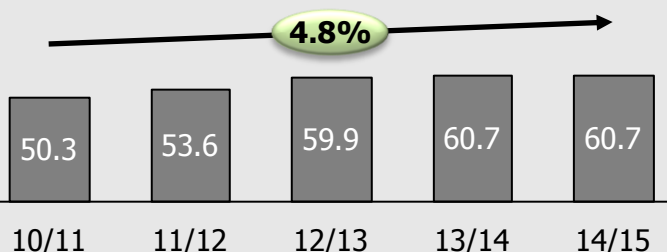
**Export Coal  
(mt)**

Emerging  
markets demand  
is recovering,  
lead by China  
and India



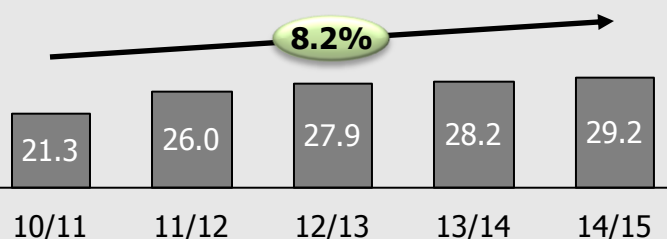
**Export iron  
ore (mt)**

Increase in steel  
production in  
China. Projected  
undersupply of  
24mt in 2010



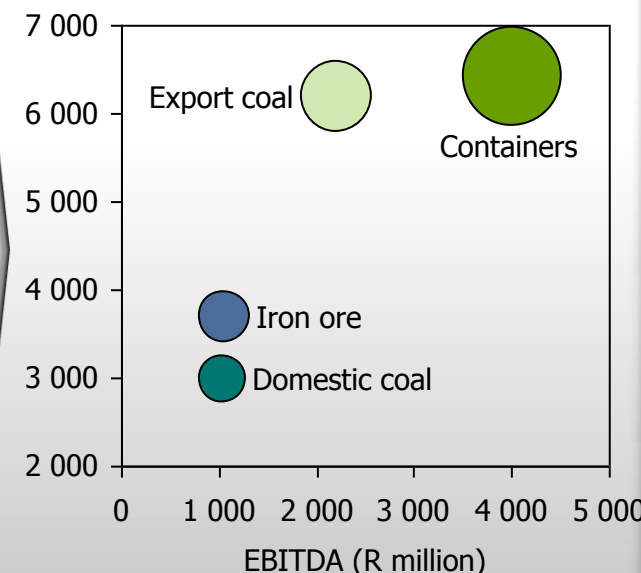
**Domestic  
coal (mt)**

Strong demand  
from Eskom as  
result of  
increased  
electricity  
demand



2010/11  
Revenue and EBITDA contribution

Revenue (R million)



# VOLUME GROWTH- KEY COMMODITIES

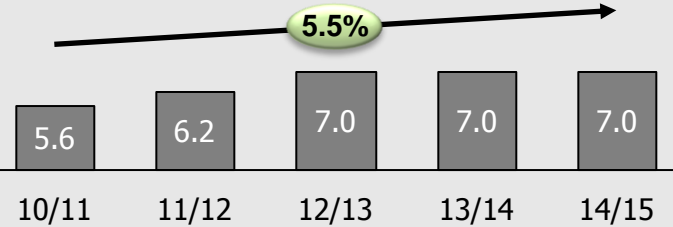
Sector

Market outlook

Transnet Projection

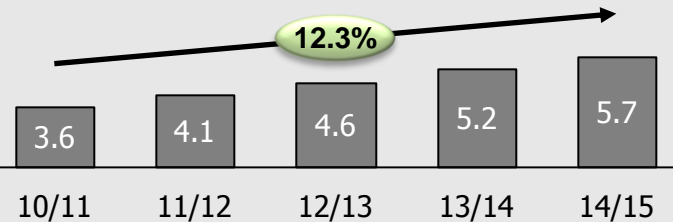
Production growth over the next 3-years is approximately 5.6%p.a. (industry indicate 14mt in future years)

**Manganese (mt)**



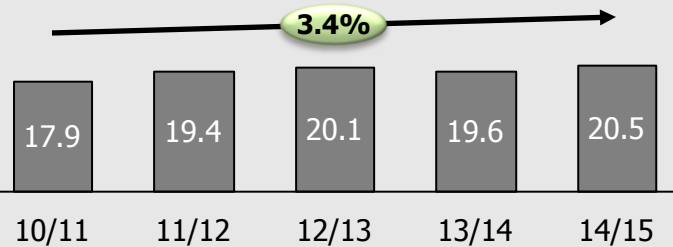
Strong demand from Rio Tinto in Phalaborwa. Rio Tinto contracting for 3mt export

**Magnetite (mt)**



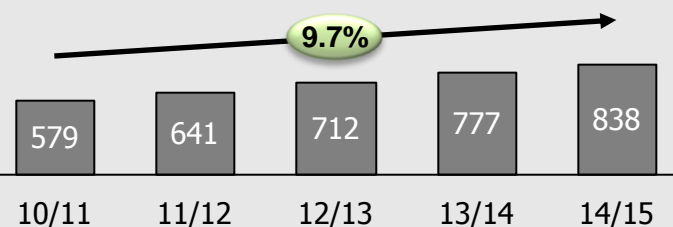
Steady growth in petroleum volumes are aligned to approximately GDP-1%

**Pipeline Petroleum (Bn.l)**



Opportunity for TFR to gain market share if fuel prices continue to increase

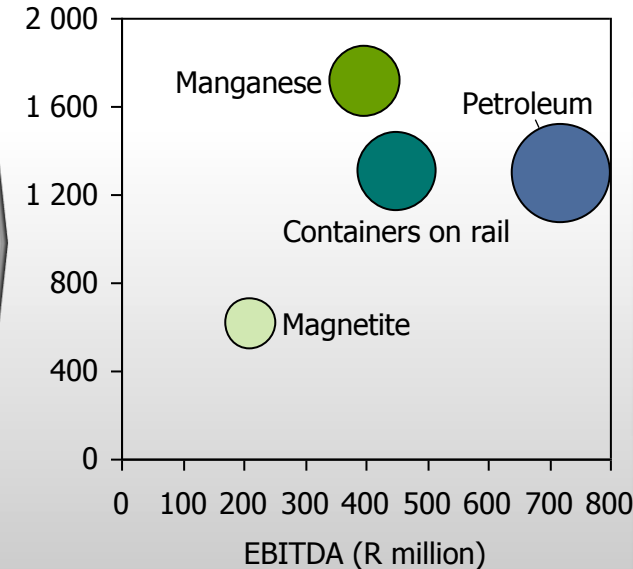
**Rail containers ('000 TEUs)**



Value for Transnet from key commodities

2010/11  
Revenue and EBITDA contribution

Revenue (R million)



## Key deliverables in 2010/11

### EXPANSION INTO NEW BUSINESS

#### **Africa Strategy: Enabling economic trade**

- Due-diligence on Africa opportunities:
  - Partnership with regional ports (Luanda)
  - Intensive cooperation with Port of Maputo
  - Growing volumes on SADC corridors
  - Development of Southern Africa transshipment hub

#### **Domestic Intermodal Business**

- Finalise domestic container strategy and develop roll out plan
- Enable optimal resource requirements to support strategy
- Secure volumes contracts

### PRIVATE SECTOR PARTICIPATION

- Develop a detailed PSP Framework and strategy:
- Develop robust business cases for potential projects within approved PSP framework
- Obtain necessary governance approvals (Board/Shareholder)
- Establish transparent processes to engage private sector partnerships

Expanding existing operations (export iron ore/ manganese expansion, export coal)

New business (i.e. intermodal/Africa)

## Competitive Supplier Development Programme

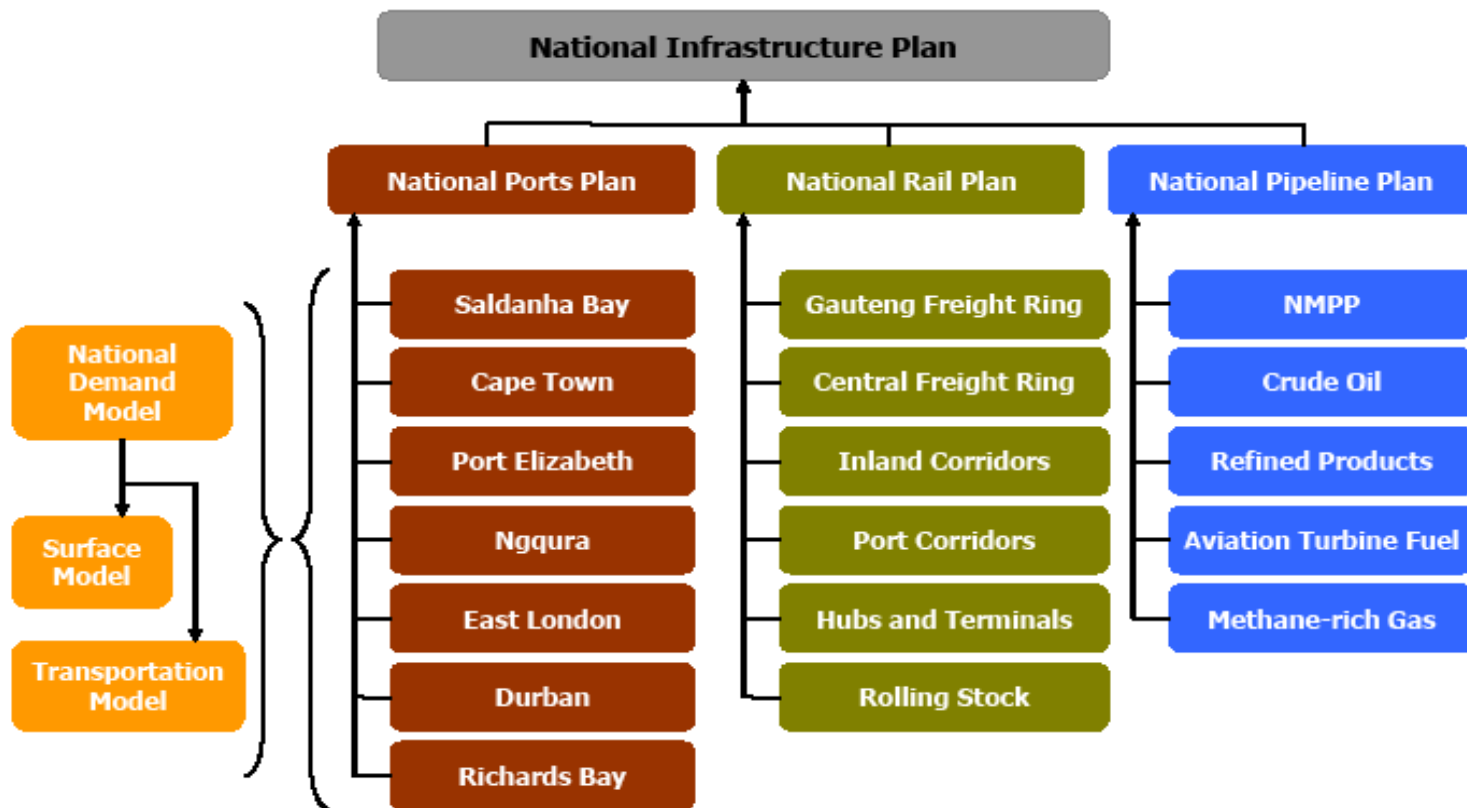
- Transnet will continue to implement the Competitive Supply Development Programme (CSDP) to contribute towards the competitiveness of the domestic supply chain and procurement environment
  - Leveraging the procurement capacity of Original Equipment Manufacturers (OEMs) through the development of downstream suppliers
  - Expanding the local supplier base
  - Close collaboration with all stakeholders to develop local suppliers and to maximise localisation opportunities
- 50 “Like-new” programme now complete under the equivalent of the CSDP Framework using Transnet Rail Engineering
  - First major tender issued with CSDP obligation which will yield an investment of R335m for TRE together with significant skills transfer and >R300m for other local suppliers
  - TRE will be a centre of excellence for locomotive OEMs

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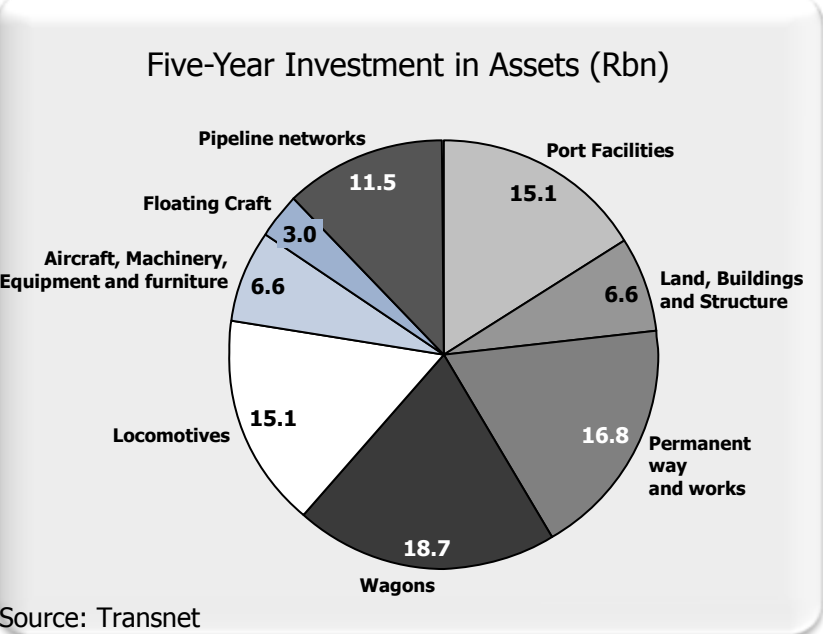
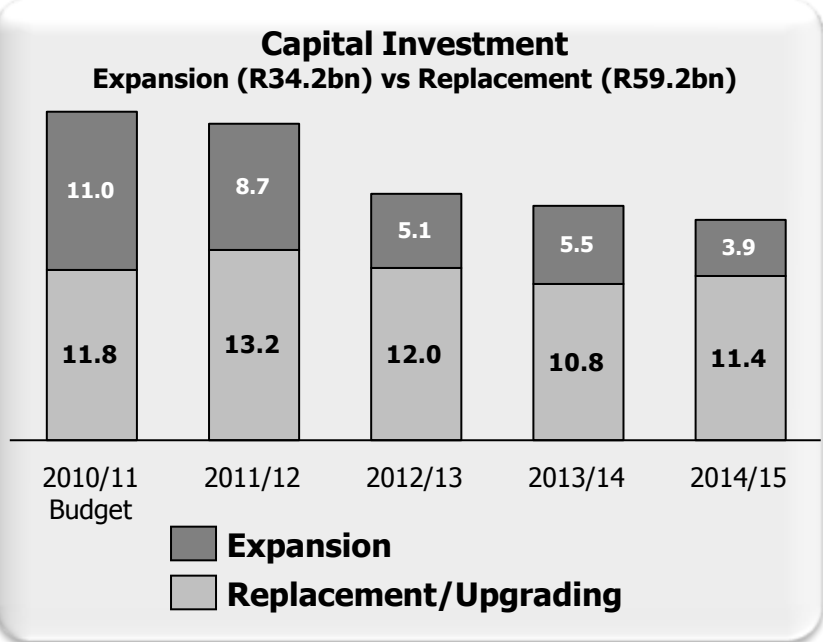


## 1. Introduction

### Transnet Planning Hierarchy



# Capital Investment Plan by Nature and Asset Type



5-YEAR CAPITAL INVESTMENT: R93.4bn		
Major Projects	2010/11 Budget	Next 4 years
Ore Line (all phases)	3 591	1 631
NMPP	4 875	4 304
Major rolling stock overhauls and refurbishment	2 355	11 028
Major infrastructure overhauls and refurbishment	1 540	7 963
Dual Voltage Locomotives	945	1091
DCT Reengineering	264	188
Ngqura Container Terminal	425	607
DHEW	64	502
Coal Line*	667	362
Cape Town Container expansion	699	1 950
Berth deepening of Pier 1 berths for expansion into Salisbury Island	-	2365
RCB Dry Bulk Terminal equipment replacement and refurbishment	153	914
Reconstruction of sheet pile quay walls at Maydon Wharf	116	953
Tugs, dredgers (TSHDs) and other floating craft	524	2 476

\* Total investment in coal line: R9.8bn (included in rolling stock and infrastructure projects)

# 5 YEAR CAPITAL INVESTMENT PLAN: REPLACEMENT AND EXPANSION

Equipment	Existing fleet	New/Additional (over the next 5 years)	Comments
Locomotives	 1 978	304 (within 3 years) 15% new	Address capacity increase in Coal (110), Ore (44) and GFB (150).
Wagons	 72 643	7 231 10% new	Address capacity increases in Coal, iron ore and GFB.
Cranes	 95	19 20% new	Container handling cranes at PECT and CTCT. Capacity at other terminals to be extracted through improvement in efficiency.
Capacity Creation	Existing capacity	Future capacity (over the next 5 years)	Comments
Containers	4.56mTEUs	6.26mTEUs	Surplus capacity in system – will review on annual basis
Pipeline (NMPP)	4.4bn litres	8.7bn litres (2012)	Provision to increase in future years
Coal	71mt	81mt (2015)	Working with industry on feasibility to increase to >90mtpa
Iron Ore	47mt	60mt (2012)	Working with industry on feasibility to increase iron ore >80mtpa and manganese to >12mtpa

# The Transnet capital investment programme makes a major contribution in terms of additional GDP – both in terms of magnitude and spread

(2018 difference with and without investment programme)	Direct impact	Indirect impact	Induced impact	Total impact
Impact on GDP (m)	R 38 436	R 31 712	R 42 399	R 112 548
Impact on Capital Formation (m)	R 116 797	R 67 079	R 86 043	R 269 920
Impact on Employment [numbers]	119 108	193 154	263 594	575 856
<i>Skilled</i>	27 105	43 589	62 742	133 436
<i>Semi-skilled</i>	57 475	79 869	105 435	242 778
<i>Unskilled</i>	34 529	69 696	95 417	199 642
Impact on Households (m):				R 71 697
<i>Low Income Households</i>				R 12 266
<i>Medium Income Households</i>				R 14 876
<i>High Income Households</i>				R 44 555
Fiscal Impact (m):				R 32 809
<i>National Government</i>				R 31 909
<i>Provincial Government</i>				R 218
<i>Local Government</i>				R 682
Impact on the Balance of Payments (m)				R 44 383

Source: DPE Study, Measurement of the impact of Transnet on the South African economy, 2010

## Funding challenges

- Remaining within set financial parameters e.g. gearing and cash interest cover ratios (Transnet does not receive subsidies/funding from government)
- Limited credit lines and stringent loan covenants
- Uncertain regulatory tariff regime and legislative environment
- Increasing borrowing requirements from other SOE's and National government

## Funding plan strategy

- Maintain Transnet's credit rating
- Minimize market risk especially interest rate and foreign exchange risks
- Reduce the weighted average of cost of debt
- Extend the duration of the debt portfolio
- Optimize asset and liability management
- Maintain the liquidity of Transnet bonds
- Diversify investor base and sources of funding
- Pre-funding activity:
  - In uncertain financial conditions Transnet implemented a strategy to raise funding well ahead of need ("pre-funding"). This enables Transnet to be selective in putting in place optimal funding structures.