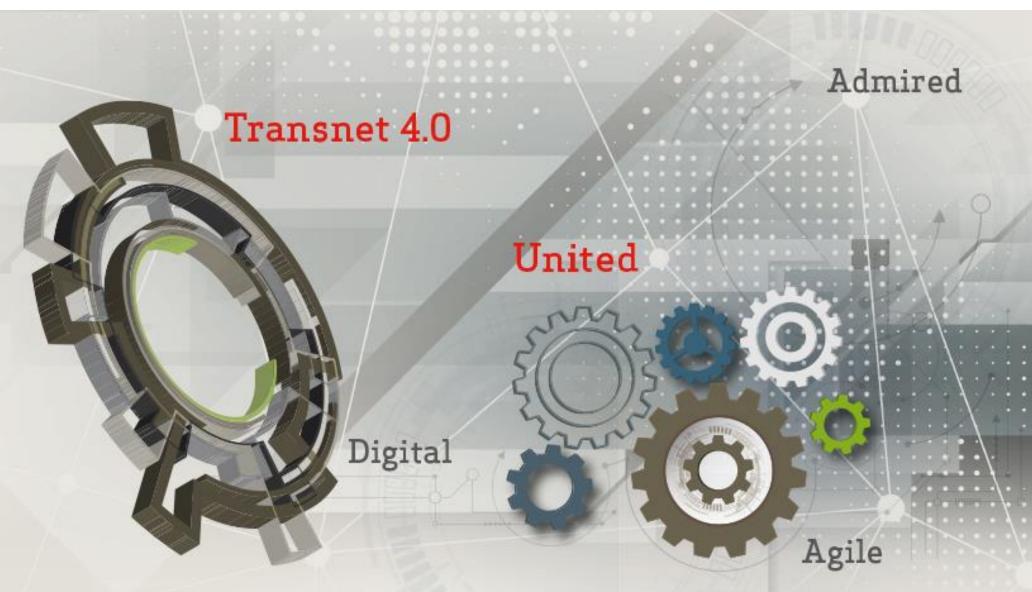
1064 LOCOMOTIVE UPDATE December 2018





Presentation Outline

- Delivery Schedule November 2018
 1064 Overview of TE Scope
 Local content & Procurement
 - Update per Supplier (GE, CNR, CSR, Bombadier Technologies)

DATE	Original Delivery Schedule March 2014	Revised Delivery Schedule October 2017	Actual Acceptance
25 March 2016			
25 March 2017	133		
25 March 2018	107	39	10
25 March 2019		96	15
25 March 2020		105	
25 March 2021			
TOTAL	240	240	25

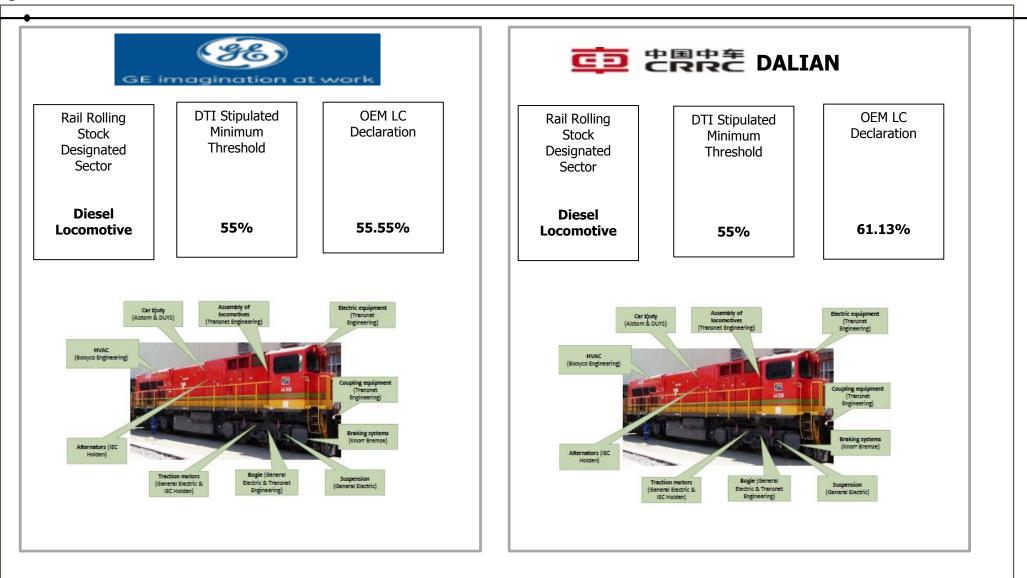
DATE	Original Delivery Schedule March 2014	Revised Delivery Schedule July 2018	Actual Acceptance
25 March 2016	20		
25 March 2017	77	2	
25 March 2018	135	19	21
25 March 2019		8	
25 March 2020		43	
25 March 2021		78	
25 March 2022		82	
TOTAL	232	232	21

DATE	Original Delivery Schedule March 2014	Revised Delivery Schedule August 2016	Actual Acceptance
25 March 2016	88		0
25 March 2017	142	100	80
25 March 2018	129	110	88
25 March 2019		99	40
25 March 2020		50	
25 March 2021			
25 March 2022			
TOTAL	359	359	208

DATE	Original Delivery Schedule March 2014	Revised Delivery Schedule August 2016	Actual Acceptance
25 March 2016	34		14
25 March 2017	126	N/A	103
25 March 2018	73	N/A	86
25 March 2019		N/A	30
25 March 2020			
25 March 2021			
25 March 2022			
TOTAL	233	233	233

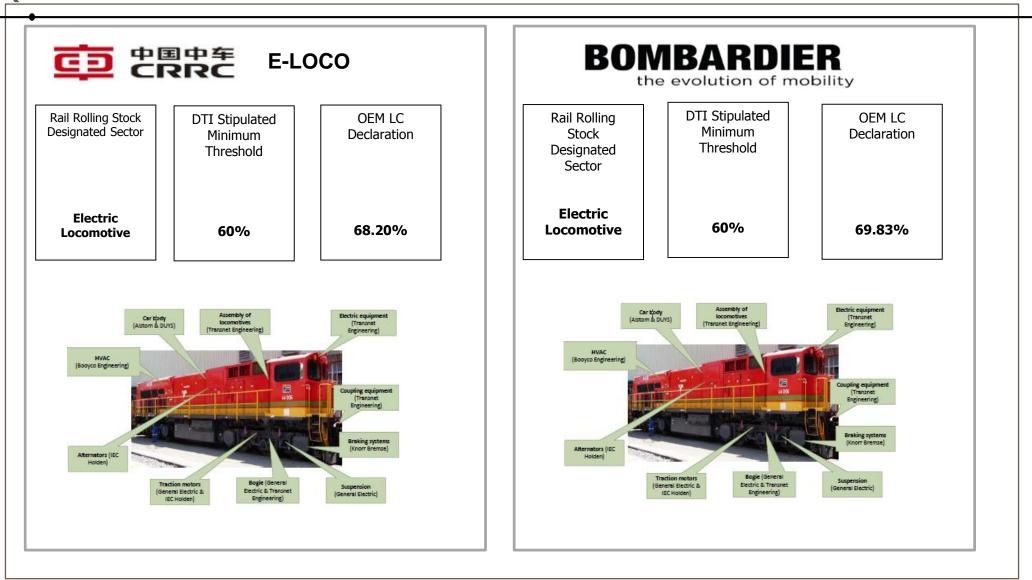
LOCAL CONTENT COMMITMENTS PER OEM

AT BIDDING STAGE)



LOCAL CONTENT COMMITMENTS PER OEM

AT BIDDING STAGE)



7

PWC Local Content High Level Assurance:

• In 2017 the Transnet requested PWC to conduct an LC high level assessment to provide to Transnet's diverse stakeholder community that the OEMs and their suppliers are complying with the stipulated minimum threshold for local production and content for the Rail Rolling Stock as per the instruction note.

SABS Audit/Verification Process:

- On 25 June 2018 Transnet received notification of the formal commencement of the local content verification of the 1064 locomotive procurement programme by the South African Bureau of Standards (SABS) from the DTI and DPE.
- A view of OEM's performance in terms of Local Content will only be determined once SABS audit process as been concluded.

Review of the RFP – Evaluation Criteria



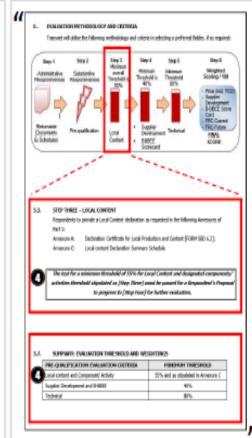


Transnet Request for Proposal (RFP1) for the supply of 465 New Diesel Locomotives

Part 1: Section 5. Local Content Threshold

-							
It is a activit lettice and/s full: a toro loatly count Transis intervo Prece	et receives the right to evaluate lists is an et also receives the right to approach the time and to evaluate the Soft in accordance rate their open from the ribusheet minim	"designated sectors" (i.e. the ; & Decompletes and wagner), is to requirements of Regulations water "i.e. a une-confidence is 30° in Decomplete in the sector is 20° in Decomplete in the sector is 20° in Decomplete in the sector is a sec- stantise of Theorem is a with such ecomplete if grant une threshold of 30% for Decomp	parthese of todals, clothing, senerol/prescored registration (1) thereof. Since this RPP to the cognetion of these of the cognetion of these in Driv local production of the neared by Mathemal threasary, tion from the Regulations or ad.	-	Whed sets and wheel components Ade and ade boxes Bearings Bearings Coupling Equipment Coupling Equipment Couplin bely Enables Re Deffigure Deffigure Re Deffigure Deffigure Toologence Senter Senter	138% 138%	380%
2	olds must also be met in respect of certain Component / Activity Assembly of locanceives and D40	torporents or activities: % local content (3 - 5 years) 10%	% local content (6 years and above) 10%	5	Next Verblader and Ar Conditioning - Fabrication - Prom Cauling	875	785
2	Car body: Car body shell Daw system Window: South (Por coach interior) Lighting wish pilles: and soft	10%	005	7	Heat Inclurges New Comprision Comprision Independion companients Independion Independion Independion Independion Independion Independion Independion Independion	79	875
	 tartence (daddee) Celtie and wine Selfety equipment Mper works and ducts 			8	Azoreten Turken entret Histor optierie	57% 47% 87%	387% 88% 88%
2	Ropic: - Ropic frame. - Heter suspension unit	1096	1975	Cert (545	andeals must complete and return H tod appended hereto es Annemer A C 67 appended hereto es Annemer A C 63 appended hereto es Annemer A context (Annemer A).	0 & C Only the South A	hteen Berceo of Standards

Part 2: Section 5. Evaluation Methodology and Criteria



Key Observations

- Part 1 of the Transnet RFP¹, for the supply of 465 New Diesel Locomotives for the General Freight Business (GFB):
 - Complies with the Preferential Procurement Regulations, 2011 & the National Treasury Rail Rolling Stock Sector Instruction Note (issued and effective 16 July 2012)
 - As it stipulated the minimum threshold percentages for local production and content for the different classes of Rail Rolling Stock (i.e. 55% for Diesel Locomotives); and
 - 2 To ensure that local production and content was discharged on manufacturing activities, the Transnet RFP¹ also stated that apart from the stipulated minimum threshold of 55% for Diesel Locomotives, stipulated thresholds in respect of certain components or activities must also be met: i.e. Assembly of locomotives, Car Body, Bogle, Coupling Equipment, Suspension, HVAC, Braking System, Alternators, Traction Motors & Electric Systems.
 - O The Transnet RFP¹ also requires that, respondents must complete and return the respective Declaration Certificates for Local Production and Content (i.e. Annexures A, C, D & E).
- Part 2 of the Transnet RFP¹ clearly defines the Evaluation Methodology and Criteria in respect of LC:
 In that both the stipulated minimum threshold of 55% for Diesel Locomotives, and the designated components/ activities threshold stipulated are pre-qualification evaluation criteria and must be met or exceeded for a respondent's proposal to progress for further evaluation.

PWC OBSERVATIONS – OEM BID SUBMISSIONS



LOCAL CONTENT BID EVALUATION COMPLIANCE

OEM	55/60% Threshold	Designated Components
General Electric	Compliance	Non Compliance
CSR	Compliance	Non Compliance
CNR	Compliance	Non Compliance
Bombardier Transportation	Compliance	Non Compliance
	Evaluated By Transnet	Not Evaluated by Transnet (Non Compliance to Legislation)

PwC High-level OEM LC Assessment Summary:

Observations General Electric (GE)

Risk of GE not delivering against dti designation:

	Diesel Locomotive Component Contribution (%)		Local Content: Target vs OEM Reported Performance vs PwC High-Level Assessment (%)						
	<u>dti</u> Designations	PwC Estimated ¹ Diesel Locomotive component contribution	GE post award Declared ³ Diesel Locomotive component contribution	GE Reported ⁴ Diesel Locomotive component contribution	Transnet RFP LC target ²	GE post award LC Declaration ³ (Loco 1- 233)	<u>GE Reported⁴ LC (Loco</u> <u>1-233)</u>	Supplier reported LC capability per Loco ⁵	PwC High-level LC Assessment ⁶ (Loco 1- 233)
1	Diesel Locomotive	100%	100%	100%	55%	55.74%	56.06%		40.64% - 45.10%
2	Assembly of locomotives	12.00%	5.11%	19.09%	100%	100.00%	93.00%	TE data outstanding	85% - 90%
3	Car Body	10.00%	8.74%	3.86%	100%	73.18% ⁷	82.40%	TE data outstanding	76.51 - 81.32%
4	Bogie	5.00%	11.36%	0.47%	100%	71.44% ⁷	77.00%	TE data outstanding	65.66% - 68.88%
5	Coupling Equipment	0.70%	0.36%	0.00%	100%	100.00%	0%	Not sourced locally	0%
6	Suspension	0.90%	0.48	0.30%	100%	0.00%7	100.00%	Not sourced locally	0%
7	HVAC	1.20%	0.64%	1.44%	60%	73.92%	60.51%	49%	56.35% - 58.80%
8	Braking System	1.70%	2.93%	1.35%	70%	55.63% ⁷	80.00%	70%	78.20% - 84.00%
9	Alternators	8.00%	3.69%	0.00%	90%	91.27%	0.00%	Not sourced locally	0%
10	Traction Motors	11.50%	10.60%	0.88%	65%	89.42%	71.00%	69%	5.05% - 5.68%
11	Electric Systems	15.00%	14.09%	0.44%	80%	48.53% ⁷	49.74%	TE data outstanding	44.82% - 53.58%
12	'Other'	34.00%	42.01%	72.16%		34.73%	46.77%		30% - 35%

		C High-	level C	DEM L	C Asse	essmer	nt Sum	mary:					
1.1.1	Observa	ations - CSR					Risk of CSR	not delivering agains	st dti designation:	<u>4 1 1 1</u>			
	-	Low Risk Medium Risk High Risk											
		Electric Locomotive Component Contribution (%) Local Content: Target vs OEM Reported Performance vs PwC High-Level Assessment (%)											
	<u>dti</u> Designations	PwC Estimated ¹ Electrical Locomotive component contribution	CSR post award Declared ³ electric Locomotive component contribution	CSR Reported ⁴ Electric Locomotive component contribution	Transnet RFP LC target ²	CSR post award LC Declaration ³ (Loco 1- 359)	CSR Reported ⁴ LC (Loco <u>1-178)</u>	Supplier reported LC capability per Loco ⁵	PwC High-level LC Assessment ⁶ (Loco 1- 359)				
1	Electrical Locomotive	100%	100%	100%	60%	60.52%	55.26%		42.01% - 51.72%				
2	Assembly of locomotives	4.5%	Not declared by OEM	7.08%	100%	Not declared by OEM	87.25%	TE data outstanding	87% - 92%				
3	Car Body	12.50%	Not declared by OEM	7.78%	100%	Not declared by OEM	81.37%	TE data outstanding	84.74% - 91.06%				
4	Bogie	4.20%	Not declared by OEM	10.56%	100%	Not declared by OEM	45.32%	Multiple supplier data outstanding	27.24% - 33.34%				
5	Coupling Equipment	0.80%	Not declared by OEM	0.22%	100%	Not declared by OEM	55.53%	Multiple supplier data outstanding	62% - 86%				
6	Suspension	0.60%	Not declared by OEM	0.34%	100%	Not declared by OEM	81.60%	TE data outstanding	48.74% - 60.92%				
7	HVAC	2.80%	Not declared by OEM	0.32%	60%	Not declared by OEM	85.19%	82%	86.1% - 90.2%				
8	Braking System	1.90%	Not declared by OEM	1.48%	70%	Not declared by OEM	74.49%	73%	74.30% - 78.21%				
9	Traction Motors	12.40%	Not declared by OEM	10.12%	65%	Not declared by OEM	16.95%	CRRC Transnet Rail data outstanding	10% - 15%				
10	Electric Systems	35.60%	Not declared by OEM	2.00%	80%	Not declared by OEM	82.51%	Multiple supplier data outstanding	45.08% - 62.68%				
										1			

NB: This exercise could not be completed for BT and CNR as they failed to populate the monthly LC Tracking Tool provided to them by Transnet Freight Rail.

Not declared by OEM

54.69%

Not declared by OEM

60.10%

11

'Other'

24.70%

18.44% - 22.00%

Review of DTI Clarification Letter (Mr Lionel October)



arification Letter: 'Clarification on the rail rolling s	tock instruction note and proposal on the way-for	ward'	0.	This letter issued 2013' and titled: proposal on the – 'Aims to
<text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text>	<text><list-item><list-item><list-item><list-item><text><list-item><list-item><list-item><text></text></list-item></list-item></list-item></text></list-item></list-item></list-item></list-item></text>	<text><text><text><text><text><text></text></text></text></text></text></text>	9 .	requirer time pe content This dti letter in where is feasible month 25' It a feasible for all d years or greater - This is sig stipulated above"), a the contro - The letter componer ambiguity OEMs as t
	X			

Key Observations

- issued by the DG of the dti to the CPO of TFR, dated: '10 April titled: 'Clarification on the rail rolling stock instruction note and n the way-forward":
 - ims to formally clarify and assist Transnet in applying the suirements of the instruction Notes on two main matters: the ne periods (the 3-5 years and greater than 6 years) and the local ntent thresholds on components/ sub-systems."
 - ter indicates that 'the 3-5 years is a ramp up approach and nasible 100% local content should be aimed and encouraged by ... it also acknowledges 'that the 100% local content may not be r all designated components in month 25 hence a range of 3-5 reater that 6 years to give the flexibility.
 - is significantly different to the rationale that the LC thresholds dated in the Transnet RFP1 (i.e. '3-5 years' or '6 years and ve"), apply based on the delivery requirement as determined by contract length.
 - letter introduces further ambiguity ito the designated ponent thresholds for 1-2 years (i.e. months 0-24), and this iguity poses a risk to Transnet of being rationalised by the is as though no LC is required during this period.
 - , this dti letter purports to grant the deeming of certain subts of designated components as being local for the purpose of LC thresholds:
 - e ambiguity of this letter (i.e. no timeframe nor monetary cap deeming's purported to be granted) poses a risk to Transnet, to how this will be nationalised and applied by the OEMs.
 - is important to note Local Context M Imported Context LookContent - (MO/Red - 50% moonents are treated fiel Canadament/Price ry differently from + 050-00+050 (na evening beciries. empt components: alter med comainwertal. rfer to the theoretical ustration to the right) Lossi Canterd - (1992/58/2 - 96-876 o Exemptions Rel Companyed Print 1 876 reduce the net \$50-\$20+\$800128 AMARKET CONSIGNABLE RE tender value of deemed compensatol a component, whereas Lockcented - Http://sell-.wt.126 deemed Rel Companient/Price a components 486-420+R80(R26 ALT bearing and are treated as deemed companying

PWC HIGH LEVEL OBSERVATIONS – CSR and BT

- PwC estimates CSR's LC in respect of the stipulated minimum threshold target for LC for Electric Locomotives between 42.01% - 51.72% which is below the Transnet RFP target of 60%
- The letter addressed from the DTI to the CPO of TFR (Lionel October on 10 April 2013), purports to grant the deeming of certain sub-components of designated components as being local for the purpose of calculating LC thresholds:
 - The ambiguity of this DTI letter (i.e. no timeframe nor monetary cap for deeming's purported to be granted) poses a risk to Transnet, as to how this will be rationalized and applied by CSR.
 - CSR has (in a letter to Transnet) indicated that they have applied the conditions of the Dti letter in their calculation of LC.
- CSRs performance in achieving the required LC target of 100% for Assembly of Locomotives over the first 178 locomotives has been significantly below the target (~12.75% below) and posses a risk that the target may not be achieved over the program, despite forecasts provided by CSR in their LC Reporting Tool that indicates that they are likely to reach the 100% LC target over the build programme.
- An analysis of BT Reported LC Performance in respect of 240 New Dual Voltage Locomotives & PwC's High-level BT LC cannot be determined as BT has not provided an updated tracking tool for review.

TRANSNE

PWC HIGH LEVEL OBSERVATIONS – CNR and GE

- CNR submitted a populated LC tracking tool based on their on 15 December 2017 to report on their LC performance; however CNR's LC performance could not be assessed – as CNR was unable to provide a populated (accurate/realistic forecast) LC Tracking Tool, considering that CNR was still in the early stages of their manufacture of locomotives.
- GE submitted a revised LC declaration (Annexure C) on 9 April 2018 to report on their LC performance:
 - In which GE has reported to be on track to deliver 56.059% LC in respect of the stipulated minimum threshold target for LC for diesel locomotives of 55%.
 - Of concern is GE's reported LC underperformance in respect of the designated components:
 i.e. Locomotive Assembly; Car Body; Bogie; Coupling Equipment; Alternators; Traction Motors & Electric Systems.

LEGAL ANALYSIS: LOCAL CONTENT ("LC") LSA & PPPFA



IRANSNE

- Transnet SOC Ltd, acting through Transnet Freight Rail ("TFR") entered into Locomotive Supply Agreements ("LSAs") with 4 (four) locomotive suppliers [Original Equipment Manufacturers ("OEMs")] in March 2014.
- Local Content and Production ("LC") is not mentioned in the LSAs regulating TFR's relationship with the OEMs, except for the fact that China North Railway's ("CNR") LSA does mention CNR's 55% commitment to LC.
- LC is regulated by the Preferential Procurement Policy Framework Act 5 of 2000 ("the PPPFA") together with the Preferential Procurement Regulations, 2011 ("the PPR 2011").
- (a) The PPPFA came into operation on 3 February 2000
- (b) The PPR 2011 came into operation on 7 December 2011.

The obligation to include LC in the Tenders in terms of both the PPPFA and PPR 2011 were complied with by Transnet, i.e. LC obligations were included in the Request for Proposals ("RFP").

The OEMs (who were still bidders at that stage) had to make an overall percentage declaration. BT declared 69.83%, CNR declared 61.13%, CSR declared 68.2%, and GESAT declared 55.55%.

The LSAs do address Supplier Development ("SD") in Clause 20 (Socio-Economic Obligations), and there are associated penalties for non-compliance with same.

TRANSNE

Immediately Preceding Signature of the LSAs: The Department of Trade and Industry's letter and exemptions

- The DTI issued a letter dated 10th April 2013, from Mr Lionel October (the "Dti's letter"), in which the Dti "deemed" certain components as local content.
- The Dti's letter has the adverse effect of releasing the OEMs from most of their LC obligations. This is based on the following 2 reasons:
- (1) By deeming certain components as local, the OEMs are absolved from having to include the rand values of the "deemed" components in the determination of the total value of LC, thereby reducing the percentage and rand value of local content. This made it significantly easier for the OEMs to comply with their LC obligations; and
- (2) The list of components in the letter constitutes most of the basic and large components required to build a locomotive, leaving the OEM with very few components that it had to source locally. By deeming most of these components as local, it thereby enabled the OEMs to import almost all of the components (which, as stated, constitute most of the locomotive) and still comply with their LC obligations in terms of the PPR 2011 read with the Instruction Note dated 16 July 2012.
- (3) PwC have undertaken an in-depth analysis of this aspect and produced a report on it.

OPTIONS

- Transnet can enter into discussions with the OEMs to renegotiate the LSA with the OEMs, during which, inter alia, items such as SD &LC can be addressed, or
- It can invoke its rights in terms of the breach clause of the LSA where OEMs are in breach, which includes termination of the LSA and calling upon the relevant Bonds/Guarantees, and/or
- In terms of the remedies available for non-compliance with the PPPFA, Transnet can cancel the LSA and claim damages, or
- It can terminate the LSA based on irregularity/fraud/corruption should it have the necessary evidence.

1RANSNEF

CURRENT STATUS

- On 25 October 2018, a memo was sent from the Chief Executive, Transnet Freight Rails Office, to the office of the Acting Group Chief Executive, requesting that:
 - ✓ the PWC report and its contents be noted;
 - ✓ Recommending that TFR reports the current R27bn spend on the 1064 Locomotive transaction as potential irregular.
- PWC Has been requested, together with TFR Supply Chain, to conduct an in depth analysis into the evaluation of the 1064 Locomotive transaction, to ascertain whether any bidders may have been disadvantaged as a result of the initial tender evaluation.
- A meeting has been set-up with DTI, following which a letter was sent by the TFR Chief Procurement Officer to the DTI, requesting assistance with:
 - ✓ Clarification of a letter dated April 2012 from Mr Lionel October relating to Local Content requirements for the acquisition of 1064 locomotives;
 - ✓ If Dti has ever had any engagements with the 1064 locomotives OEMs, and if the Dti has shared any correspondences with any of the OEMs to date;
 - ✓ If Dti has granted exemptions to any of the OEMs;
 - ✓ Basis of the letter dated April 2012 and the National Treasury Instruction Note and how Dti intends measuring LC going forward;

CURRENT STATUS



TRANSNE

- ✓ View of how Dti is measuring LC and the request to share latest progress to date;
- Remedies for LC non-compliance should the OEMs not achieve their obligations and the sanctions to be levied by Dti and
- ✓ DTI's view of OEMs that have completed delivery (GE), those towards completion (CSR) and a view of CNR and Bombardier who have just started delivering locomotives.

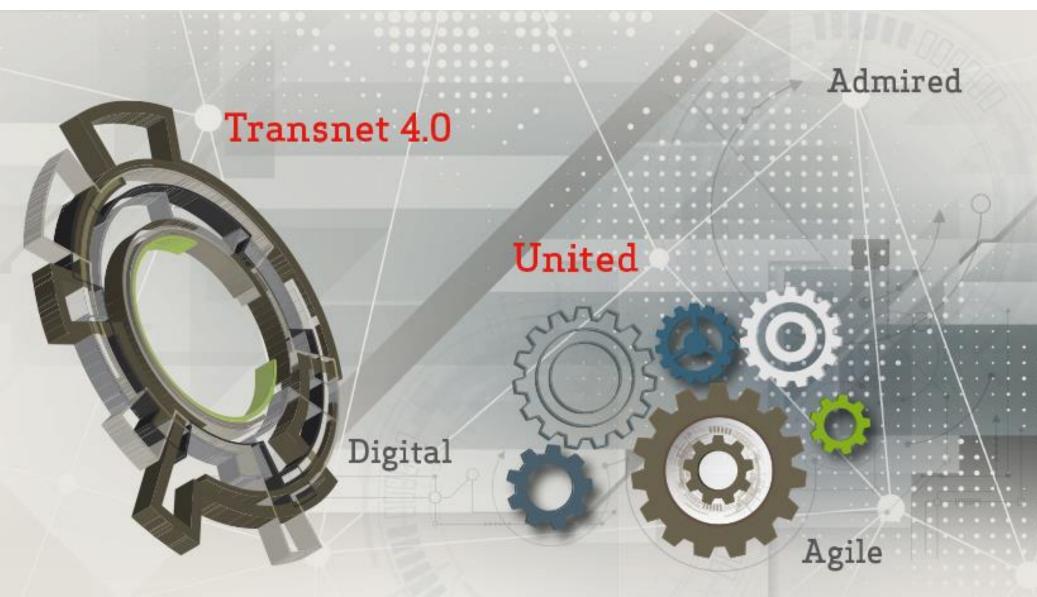
Further to the issues mentioned above, Transnet has requested the Dti to invite team members from the South African Bureau of Standards ("SABS") to ensure alignment on issues relating to LC going forward.

The DTI has acknowledged receipt of the letter.

 Transnet Freight Rail will continue to monitor the progress of Local Content based on the legislative requirement and will endeavor to continue engaging and interacting with the DTI regarding the legislated Local Content requirements from OEMs.

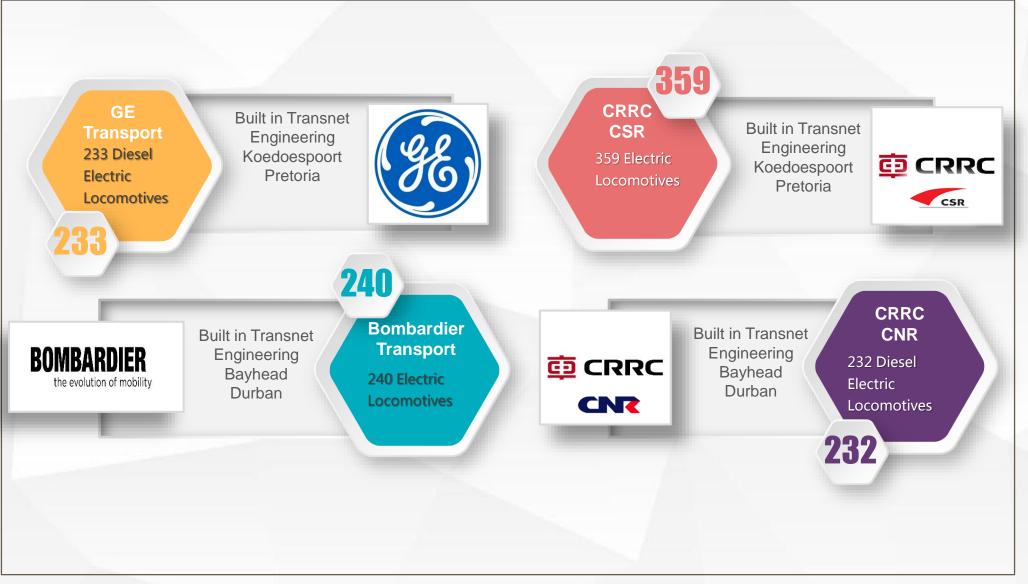
1064 LOCOMOTIVE UPDATE: TE





1064 OEM Overview





1064 Project Financial Overview – October 2018



	Total Proj	ect Performa	nce from incepti	on to conclusion	n	
	Contract	TE Scope	TE Scope	TE Projected	Planned	Planned
OEM	Qty	Qty	Contract	Sales	Contribution	Material
CSR	359	319	3,045.1	2,654.3	3 1,092.2	1,952.9
GE	233	227	1,456.4	1,517.0) 701.7	754.7
BT	240	240	757.1	889.7	7 440.8	316.4
CNR	232	212	2,219.3	2,204.4	936.2	1,283.0
Total	1064	998	7,477.9	7,265.3	3,170.9	4,307.0
	Proj	ect Performa	nce from Incepti	on To Date		
OEM		Actu	ial Acti	ual P	lanned	Actual
OEM		Sal	es Contril	bution M	aterial I	Material
CSR		1,35	54.2	712.6	868.4	641.6
GE		1,43	59.3	711.0	756.2	748.3
BT		20	04.6	168.3	85.5	36.3
CNR		-	15.1	11.4	8.7	3.7
Total		3,0.	33.1 1	,603.3	1,718.9	1,429.8



Capex Spending							
OEM	Total Budget	Actual YTD					
CSR	279.9	235.4					
GE	110.7	101.5					
ВТ	172.8	154.4					
CNR	215.6	148.4					
Milling Machines	166.7	129.5					
Total	945.7	769.2					

Local Content



- Contracts between TE and the OEM's only required TE to commit to Supplier Development objectives. There were no specific LC committed requirements in the contract.
- However Transnet applied the local content as per rail rolling stock sector instruction note when procuring goods for its scope of supply.
- DTI has appointed SABS to commence with the local content verification which confirm the actual local content achieved by Transnet and its suppliers.
- There were LC challenges experienced at the begging of each production line, when local suppliers were gearing up for productions, these includes bogie casting, springs
- To date over R1.6b material has been procured whilst its estimated the approximately R2b still to be procured to complete the program.

	Assembly of Locomotives	5	Suspension :
	Assembly of Locomotives		- Shock absorbers and dampers
2	Car Body:		- Springs
	- Car body shell	6	
	- Door system	0	Heat, Ventilation and Air Conditioning
	- Windows		- Fabrication
	- Seats (For coach interior)		- Power Coating
	- Lighting		- Heat Exchangers
	Grab pillars and rails Interior cladding		- Fans
	- Cable and wire		- Compressors
	- Safety equipment		- Refrigeration components
	- Pipe works and ducts		- Electrical components
	Bogie:		- Fasteners
	- Bogie frame		
	- Motor suspension unit		 Insulation and liners
	- Wheel sets and wheel components	7	Braking System :
	- Axle and axle boxes		Braking System
	- Bearings	8	Alternators :
	- Bolster	•	
	Coupling Equipment :		Alternators
	- Coupler body	9	Traction Motors :
	- Coupler hook		Traction Motors
	- Yoke	10	Electric Systems :
	- Pin	10	
	- Draft-gear		Electric Systems

DESIGNATED COMPONENTS

Top 20 Material Spent with local suppliers – 1064

Vendo -	Vendor Name	Commodity	Value Spent	- BO	BWO	BYO	- BDO -
513569	MACSTEEL VRN	Fabricated parts	80 649 612.00	41%	10%	0%	0%
529285	DNA MANAGEMENT PROJECTS	Fabricated parts	58 359 188.00	100%	100%	0%	0%
519343	MACSTEEL TRADING GERMISTON DIV OF	Steel	52 315 971.00	41%	10%	0%	0%
528587	KARE FABRICATION	Fabricated parts	52 283 018.00	51%	0%	0%	0%
529615	DUVHA FOUNDRY	Castings	45 256 408.00	100%	0%	0%	0%
526940	HERMES APOLLO PROCESS ENGINEERING	Fabricated parts	41 663 743.00	100%	0%	0%	0%
529834	PLASMA CUT	Fabricated parts	40 684 867.00	56%	14%	0%	0%
521136	MACHINE TOOL PROMOTIONS	Fabricated parts	38 663 326.00	55%	28%	0%	0%
521990	FUMANANG ENTREPRENEURIAL PROMOTIO	Equipment/Machinery	36 568 975.00	51%	0%	0%	0%
528352	CAD CON	Fabricated parts	31 717 608.00	46%	0%	0%	0%
529002	VANTEK TECHNOLOGY	Fabricated parts	31 405 698.00	100%	0%	0%	0%
527855	ALERT STEEL TSHWANE	Steel	29 351 132.00	51%	0%	0%	0%
529896	BEKKER STEEL TRADING	Fabricated parts	28 385 842.00	51%	51%	0%	0%
509529	AFRICAN OXYGEN	Gas	27 543 486.00	65%	13%	0%	0%
528642	MIZANA ENGINEERING AND SERVICES	Fabricated parts	22 665 171.00	100%	0%	0%	0%
528774	BLUE GIG DISTRIBUTION	Insulation	22 577 196.00	100%	0%	100%	0%
506559	KANSAI PLASCON	Paint	21 856 187.00	23%	8%	0%	0%
528730	MAYISA AND CO	Consumables	21 618 518.00	100%	0%	100%	0%
512267	AVENG TRIDENT STEEL	Steel	20 287 232.00	89%	34%	0%	0%
530599	QINISA STEEL SOLUTIONS	Steel	19 817 727.00	51%	0%	0%	0%
TOTAL	VALUE SPENT		723 670 905.0)0			

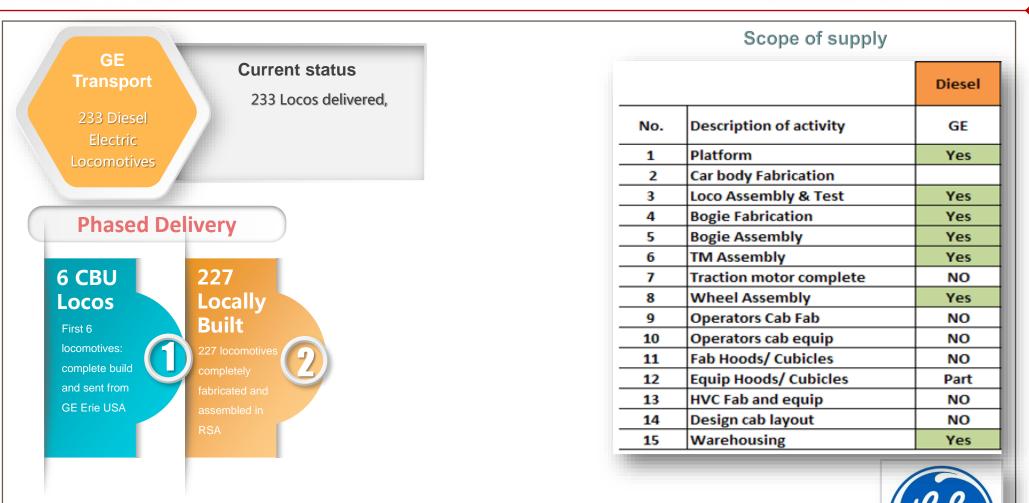
- To date over R1.6b material has been procured whilst its estimated the approximately R2b still to be procured to complete the program.
- TE has procure from over 500 local vendors since the inception of the project for material and capital equipment.
- SABS to commence with the local content verification which will confirm the actual local content achieved by Transnet and its suppliers.

OEM	Commodity	Date Exemption Grated	Supplier
вт	100mm Plates	2017/12/08	Mascteel
вт	FBO Fittings	2018/04/19	Transnet Engineering
вт	Round Tubes	2018/03/19	Macsteel Service Centre
CNR	Metric Seamless Pipes	2017/04/20	Transnet Engineering
CSR	Pipes and tubes	2016/11/21	Tilghman Rotoblast
CSR	Seamless Pipes	2018/05/07	Delbelg
CSR	Interior Cab Decoration	2016/05/10	Vantek
GE	Valves	2016/12/13	Transnet Engineering
GE	Valves	2018/01/18	Vanrail Supplies
CSR	Castings	2015/09/09	CSR

General Electric D44







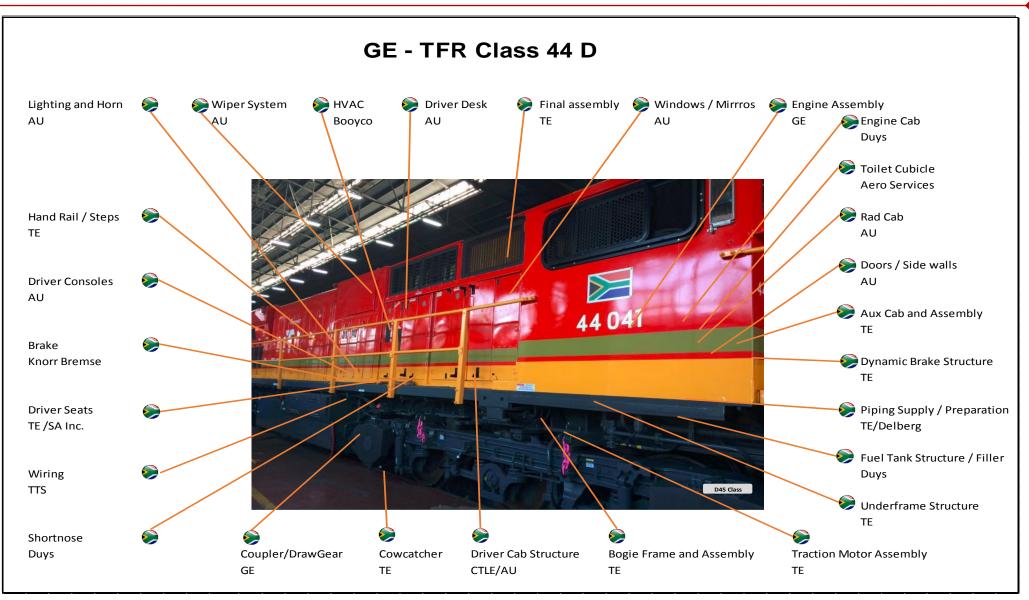
GE



	Phase 1	Phase 2		Phase 3
	Loco 1-6	N/A Loco 7-23		Loco 7-233
TE SCOPE	OEM CBU	OEM SKD/CKD Supply &TE Assembly	Fabrication	Assembly
Platform Fabrication			TE(TE Material)	TE(OEM Material)
Bogie Fabrication			TE(TE Material)	TE(OEM Material)
Bogie Assembly			N/A	TE(OEM Material)
Aux Cab Fabrication			TE(TE Material)	TE(TE Material)
Aux Cab assembly and test			N/A	TE(OEM Material)
CA1 Assembly and test			TE(TE Material)	TE(OEM Material)
Gearcase fabrication	OEM CBU	N/A	TE(TE Material)	TE(OEM Material)
Traction Motor assembly and test			N/A	TE(OEM Material)
Wheel set assembly			N/A	TE(OEM Material)
DB Box & Air Filter Fabrication			N/A	TE(OEM Material)
Final Assembly			N/A	TE(OEM Material)
Test & Commission			те	те

General Electric D44





GE – Supplier Development Commitments

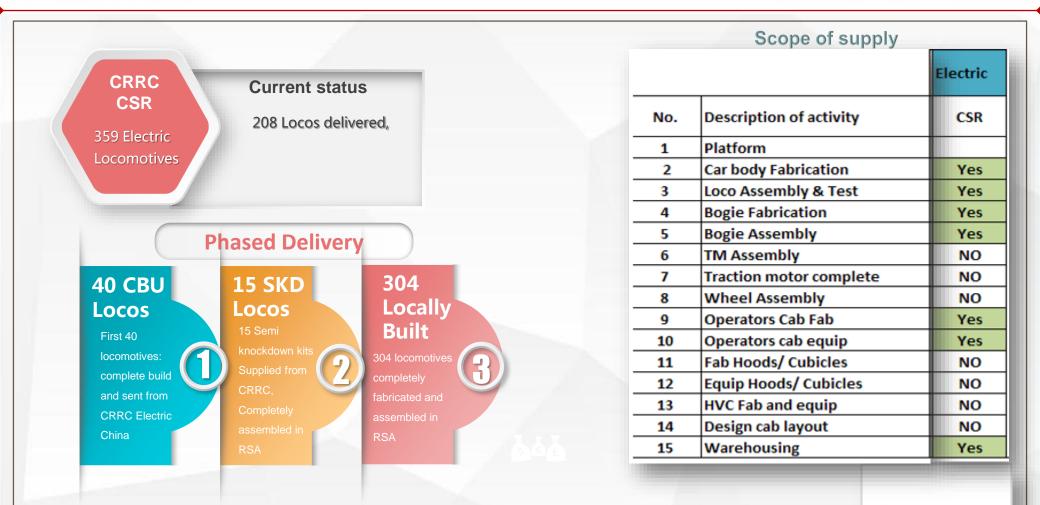
		GE
SD Elements	SD Target Value (R million)	**SD Reported Value Audited YTD June 2018 (R million)
Industrialisation	105.00	60.00
Capacity and Capability	57.25	635.40
Skills Development	20.64	2.00
Job Maintenance	197.00	254.37
Small Business Development	46.43	326.56
Technology and IP Transfer	0	0
Job Creation	0	0
Down Stream Supplier Development	0	0
Total SD Commitment	426.32	1 278.33
SD % of Contract Value	2	28%
Contract Value	R1 495	777 607.00



CRRC-CSR 22E









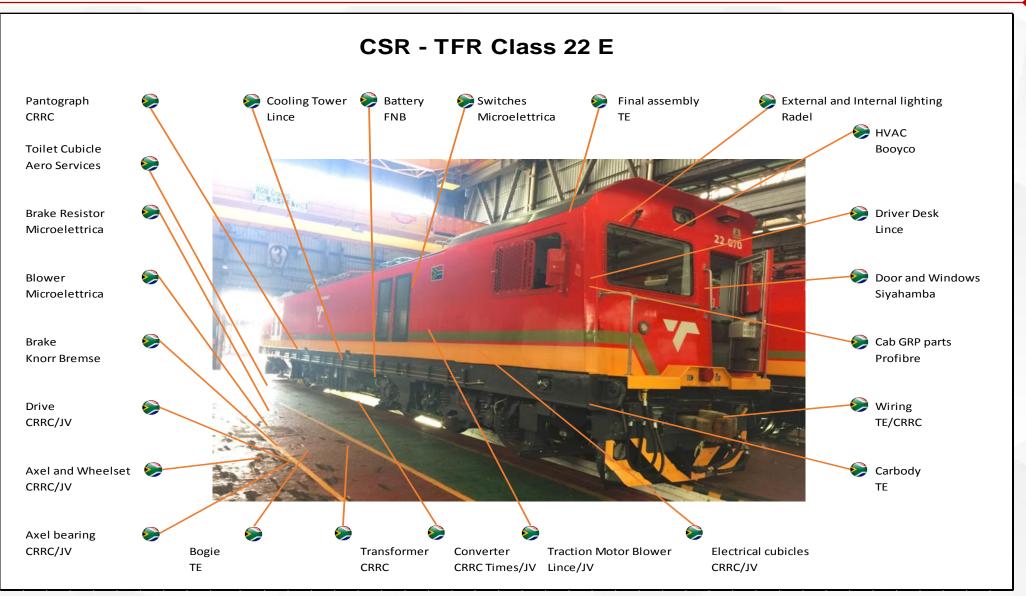
CSR



	Phase 1	Phase 2		Phase 3
	Loco 1-40	Loco 41-55	Loco 56-359	
TE SCOPE	ОЕМ СВU	OEM SKD/CKD Supply &TE Assembl	y Fabrication	Assembly
Carbody Fabrication			TE(TE Material)	TE(OEM Material)
Bogie Fabrication			TE(TE Material)	TE(OEM Material)
Bogie Assembly			N/A	TE(OEM Material)
Traction Motor Assembly			N/A	TE(OEM Material)
Combo Assembly			N/A	TE(OEM Material)
High Voltage Cubicle Assembly		OEM SKD/CKD	N/A	TE(OEM Material)
Low Voltage Cubicle Assembly	OEM CBU		N/A	TE(OEM Material)
Battery Cubicle Assembly			N/A	TE(OEM Material)
Springs Manufacture			TE(TE Material)	N/A
Cab Panels			TE(TE Material)	TE(OEM Material)
Cab Floors			TE(TE Material)	N/A
Final Assembly		ТЕ	N/A	TE(OEM Material)
Test & Commission		TE	N/A	TE

CRRC-CSR 22E

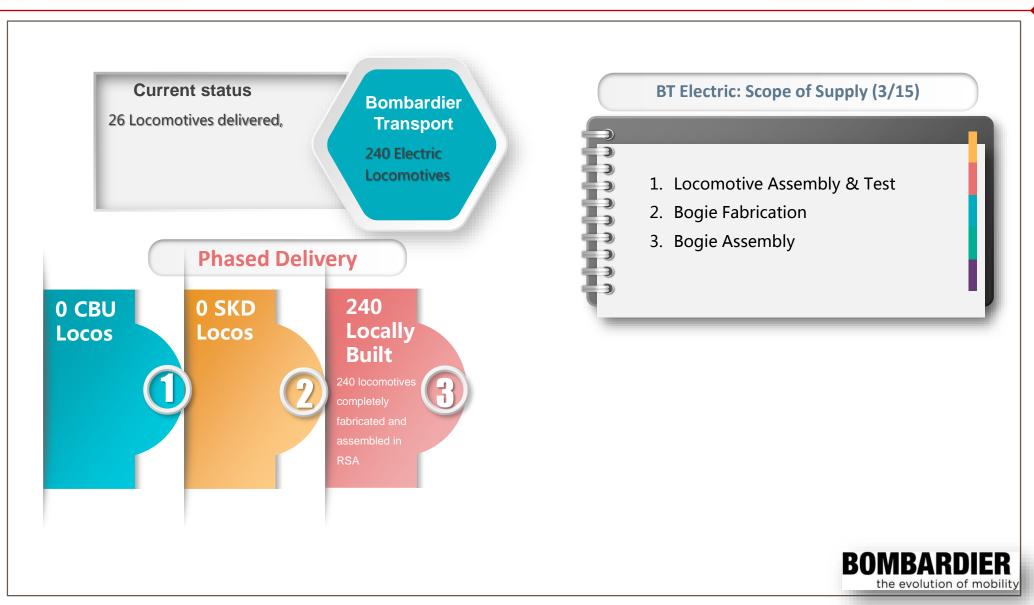




CSR – Supplier Development Commitments

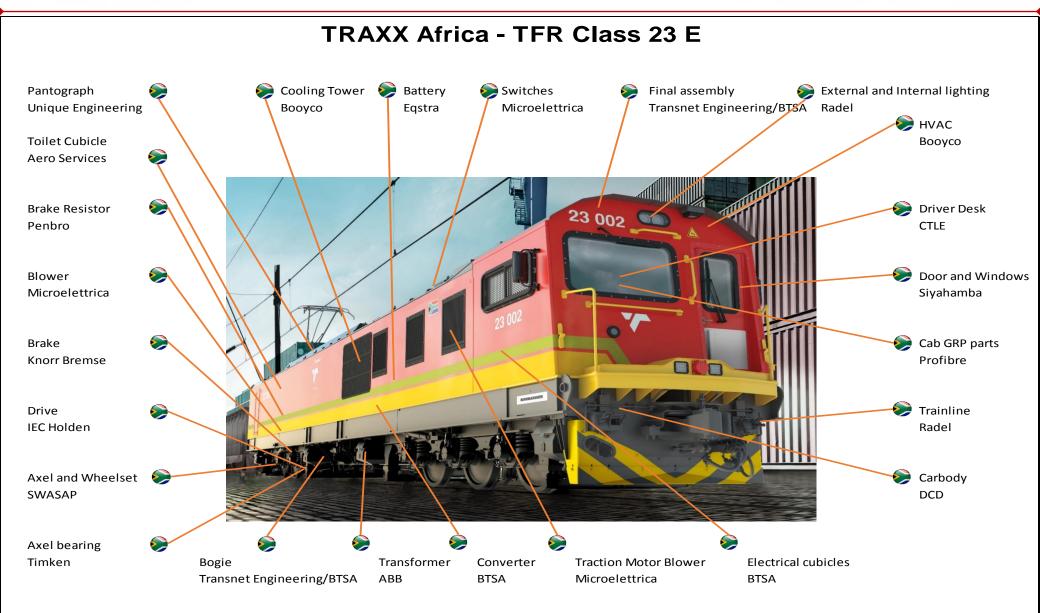
	CSR			
SD Elements	SD Target Value (R million)	**SD Reported Value Audited YTD June 2018 (R million)		
Industrialisation	105.00	62.93		
Capacity and Capability	167.57	568.10		
Skills Development	15.96	3.1		
Job Preservation	283.77	337		
Small Business Development	135.89	386.34		
Technology and IP Transfer	0	0		
Job Creation	0	0		
Down Stream Supplier Development	0	0		
Total SD Commitment	708.19	1 357.47		
SD % of Contract Value	23	%		
Contract Value	R 3 045 0	78 006.00		

Project Overview and Scope - BT 23E



23E Locomotive Key Suppliers







	Phase 1	Phase 2	Phase 3	
	N/A	N/A	Loco1-240	
TE SCOPE	OEM CBU	OEM SKD/CKD Supply &TE Assembly	Fabrication	Assembly
Bogie Fabrication	gie Fabrication		TE(TE Material)	TE(TEMaterial)
Bogie Assembly	N/A		N/A	TE(OEM Material)
Final Assembly		N/A	N/A	TE(OEM Material)
Test & Commission			N/A	TE

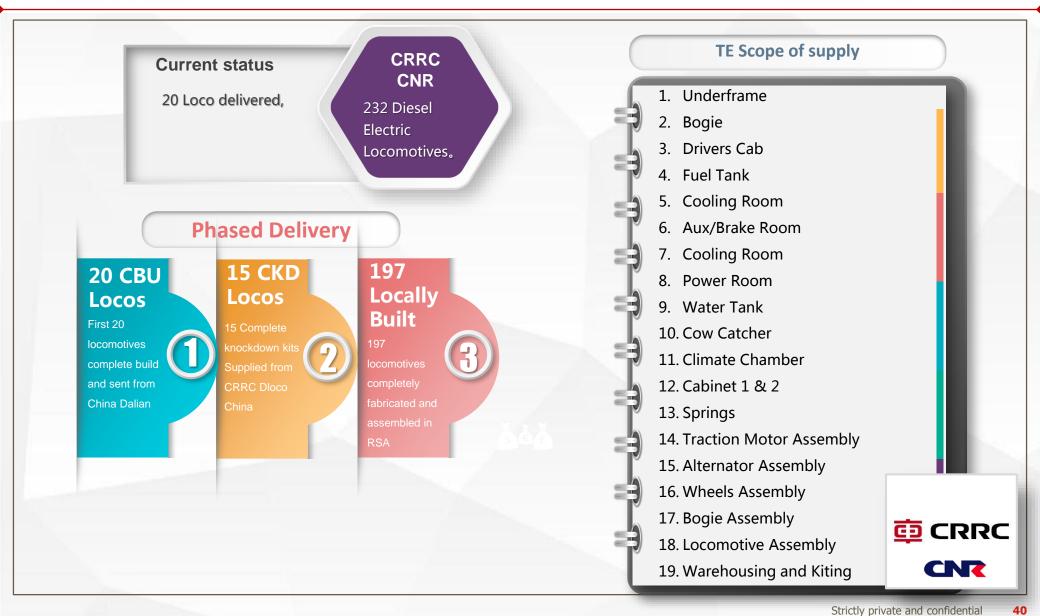
CSR – Supplier Development Commitments

7	

	ВТ			
SD Elements	SD Target Value (R million)	**SD Reported Value Audited YTD June 2018 (R million)		
Industrialisation	110.00	3.50		
Capacity and Capability	75.41	284.17		
Skills Development	13.73	3.73		
Job Maintenance	148.92	197.48		
Small Business Development	34.08	99.04		
Technology and IP Transfer	0	0		
Job Creation	0	0		
Down Stream Supplier Development	0	0		
Total SD Commitment	382.13	587.92		
SD % of Contract Value	50%			
Contract Value	R 757 116 558.00			

CRRC-CNR D45

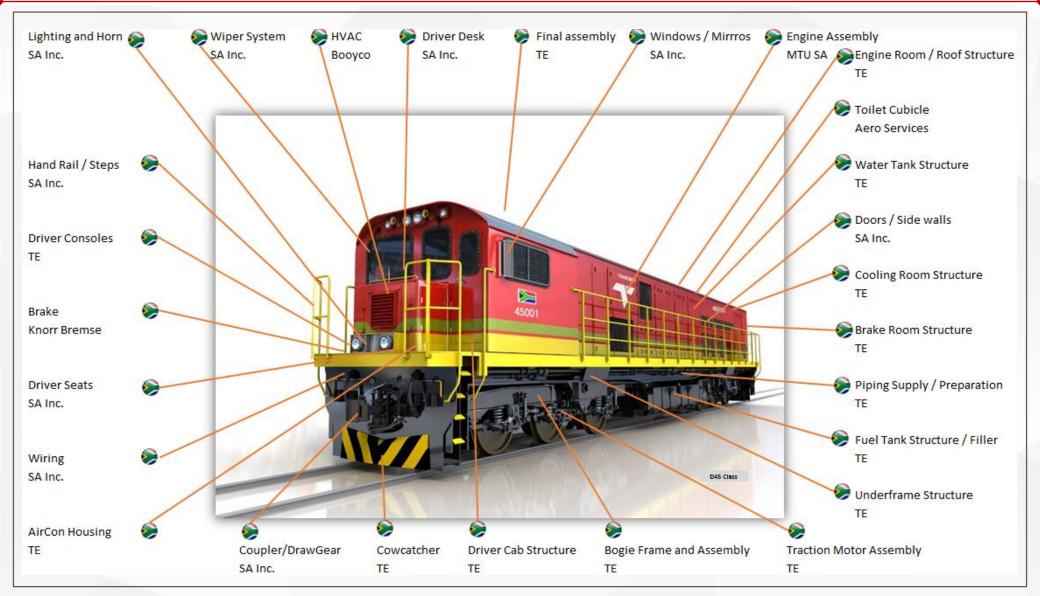




CRRC-CNR D45







TRANSNEL

CNR



	Phase 1	Phase 2	P	hase 3
	Loco1-20	Loco21-Loco35	Loco36-232	
TE SCOPE	OEM CBU	OEM SKD/CKD Supply &TE Assembly	Fabrication	Assembly
Underframe			TE(TE Material)	TE(OEM Material)
Bogie frame			TE(TE Material)	TE(OEM Material)
Drivers Cab			TE(TE Material)	TE(OEM Material)
Fuel Tank			TE(TE Material)	TE(OEM Material)
Aux Cab			TE(TE Material)	TE(OEM Material)
Power Room			TE(TE Material)	TE(OEM Material)
Cooling Room			TE(TE Material)	TE(OEM Material)
Drivers Desk			TE(TE Material)	TE(OEM Material)
Door & Frame	OEM	OEM/TE	TE(TE Material)	TE(OEM Material)
Cabinet Assembly 1			TE(TE Material)	TE(OEM Material)
Cabinet Assembly 2			TE(TE Material)	TE(OEM Material)
Water Tank			TE(TE Material)	TE(OEM Material)
Cow Catcher			TE(TE Material)	TE(OEM Material)
Climatic Chamber			TE(TE Material)	TE(OEM Material)
Wheel Assembly			N/A	TE(OEM Material)
Locomotive Assembly			N/A	TE(OEM Material)
Testing & Commissioning			N/A	TE

CNR – Supplier Development Commitments



	CNR		
SD Elements	SD Target Value (R million)	**SD Reported Value Audited YTD June 2018 (R million)	
Industrialisation	150.00	5.2	
Capacity and Capability	90.52	134.94	
Skills Development	21.46	2.73	
Job Preservation	221.30	150.23	
Small Business Development	73.41	51.74	
Technology and IP Transfer	0	0	
Job Creation	0	0	
Down Stream Supplier Development	0	0	
Total SD Commitment	556.68	344.85	
SD % of Contract Value	27%		
Contract Value	R2 219 099 977.00		





