

TOURISM INFRASTRUCTURE INVESTMENT PROGRAMME (TIIP) 2001/2 – 2003/4

Annexe 1 : Assumptions Regarding Cost Estimates

Page 2

Annexe 2 : TOURISM INFRASTRUCTURE INVESTMENT PROGRAMME

Category 1: Transfrontier Conservation Areas (TFCAs)

1.	Gaza-Kruger-Gonarezhou (GKG-CP)	3
2.	Vhembe/Dongola (incl. Mapungubwe)	5
3.	Richtersveld TFCA	8
4.	Maloti/ Drakensberg	10

Category 2: Priority areas for Tourism Infrastructure Investment (PATII's)

1.	Phalaborwa, Nelspruit and Pietersburg (Patti's 10, 11 and 12)	12
2.	Soweto	13
3.	Cape Town Environs	15
4.	Greater Addo	16
5.	Kalahari Triangle (Kimberley, Kuruman and Upington)	18

Category 3: Spatial Development Initiatives (SDIs)

1.	Lubombo	19
2.	Wild Coast	21
3.	Coast-to-Coast (including North West)	23
4.	Barberton	25

ASSUMPTIONS REGARDING COST ESTIMATES

Roads:

New-tarred road: R1 million per km
Upgrade of tarred road: R500 000 per km
Upgrade of dirt road: R300 000 per km

Airports:

Upgrade of airstrip: R15 million

Information centers and interpretive centers:

Estimated cost per upgrade of information center: R500 000
Estimated cost per new interpretative center: R2 million

Border posts and entry points:

Estimated that 500sq m will be required per such point, at a cost of R2500 per sq m, totaling R3 750 000 per point.

Signage:

R2500 per km

Fencing:

Game fencing estimated at R70 000/km

Accommodation Facilities:

Cost of building basic accommodation facilities in parks estimated at R2500 sq m

TOURISM INFRASTRUCTURE INVESTMENT PROGRAMME
2001/2 – 2003/4

Category 1: Transfrontier Conservation Areas (TFCAs)

1. Gaza-Kruger-Gonarezhou (GKG)

Roads	Low water bridge between Kruger and Zimbabwe over Limpopo (GKG)	10 000 000
	Smaller roads linking existing Kruger roads network with new GKG entry/border posts (\pm 50km @ R300 000/km)	15 000 000
	Game boma road	225 000
Air	Airstrip at Pafuri/ Crooks' Corner to service GKG	15 000 000
Amenities	Gamepens to facilitate wildlife translocation into GKG	2 250 000
	Game purchases,	5 600 000
	Capture & monitoring vehicles, equipment	6 300 000
	Direct/indirect capture expenses	1 300 000
	Rail amenities at Pietersburg, Tzaneen, Hoedspruit & Nelspruit	4 000 000
	Tourism (themed) signage required on various approach roads & on site (\pm R250 000/100km)	5 000 000
Information	Three entry points/border posts to GKG (500 sq m @ R2 500/ sq m), i.e. Letaba environs, Shingwetzi environs, Pafuri environs	3 750 000
	Tourism Information Centres at GKG-TFCP, Hoedspruit Airport (R500 000/ centre)	1 000 000

Other Infrastructure required to optimize destination (GKG-TFCP)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Air	Hoedspruit Airbase	SA Defense Force, DoW & Suikerkop
Bulk Infrastructure (Off-site)	Telkom, cell and other bulk services for new investors and users (GKG) Upgrade Public Tourism Facilities at all tourism gateways, distribution, staging posts etc.	Telkom, Vodacom, MTN, DoW SANP, Provincial & local Authorities, Regional partners

2. Vhembe/Dongola (incl. Mapungubwe)

Roads	R521: Pietersburg – Vhembe: Upgrade sections ($\pm 100\text{km @ R50 000/km}$)	50 000 000
	Smaller roads to be identified & built, tourist roads in core area, roads in buffer area ($\pm 50\text{km @ R300 000/km}$).	15 000 000
Air	Establishment of an appropriate regional facility	15 000 000
	(Upgrade Venetia Mine airstrip or build airstrip to serve future TFCA?)	15 000 000
Amenities	Tourism (themed) signage required on R521, R572 & on site ($\pm 300\text{km @ R250 000/100km}$)	750 000
	More amenities from Ivory Route plan and TFCA Plan	2 000 000
	TFCA entrance gate	2 000 000
	Gamepens to facilitate wildlife translocation into GKG	2 250 000
	Game purchases,	5 600 000
	Capture & monitoring vehicles, equipment	6 300 000
	Direct/indirect capture expenses	1 300 000
	Fencing (200km @ R70 000)	14 000 000
	Upgrade Messina's rail amenities	1 000 000
	Mapungubwe Interpretive Centre	1 000 000
Information	Entry point/border post to TFCA (500 sqm @ R2 500 sqm), i.e. Botswana	1 250 000
	Tourism information centres (R500 000/ centre) in Vivo, Alldays & Messina	1 500 000

Other Infrastructure required to optimize destination (Vhembe/ Dongola)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Bulk Infrastructure	<p>Telkom, cell and other bulk services for new entrances and all users</p> <p>Upgrade public tourism facilities at all tourism gateways, distribution, staging posts etc.</p>	<p>Telkom, Vodacom, MTN, DoW</p> <p>Provincial & local authorities, SANP</p>

3. Richtersveld TFCA

Road	Upgrade to tar between Alexander Bay & Sendelingsdrift	120 000 000
Air	Upgrade landing strip at Sanddrift	15 000 000
	Upgrade landing strip at Sendelingsdrift	15 000 000
Amenities	TFCA entrance gate at Remhoogte	2 000 000
	Accommodation (1 000 sq m @ R2 500/ sq m) at: Sendelingsdrift & Pokkiespram	2 500 000
	More amenities from TFCA Plan	2 000 000
	Gamepens to facilitate wildlife translocation into TFCA	2 250 000
	Game purchases,	5 600 000
	Capture & monitoring vehicles, equipment	6 300 000
	Direct/indirect capture expenses	1 300 000
	Fencing (200km@R70 000)	14 000 000
Tourism (themed) signage required on various approach roads & on site (±R250 000/100km)	1 000 000	
Information	Cross border post between SA & Namibia in TFCA at Sendelingsdrift (500 sq m @ R2 500 sq m)	1 250 000
	Tourism Information Centres at Springbok, Steinkopf, Port Nolloth, Alexander Bay & Sendelingsdrift (@ R500 000/ centre)	2 500 000

Other Infrastructure required to optimize destination (Richtersveld)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Roads	Upgrade regional smaller roads	Provincial & local roads authorities
Bulk Infrastructure	Telkom, cell and other bulk services for new entrances and all users	Telkom, Cell service providers, DoW
	Upgrade regional sanitation	Local authorities
	Water supply	DoW
	Upgrade public tourism facilities at gateways, distribution, staging posts, etc	Provincial & local authorities

5. Maloti/ Drakensberg

Roads	Upgrade R26 between Bethlehem & Clarens (20 km @ R500 000/km)	10 000 000
	Upgrade or improve route between Clarens and Sterkfontein Dam (33km @ R500 000/km)	16 500 000
	Hardtop Cathkin turnoff to Winterton (20km @ R500 000/km)	10 000 000
	Upgrade Sani Pass to Lesotho border to provide "Roof of Africa" linkage	35 000 000
	Black top Himeville to Nottingham (±90km @ R1m/km)	90 000 000
	Upgrade Matatiele to Ramaseliso's Gate en route to Sehlabatebe (±55km @ R300 000/km)	16 500 000
	Upgrade various smaller Berg resort link roads (±200km @ R300 000/km)	60 000 000
Air	Upgrade 3X landing strips in Southern, Central & Northern Berg areas (R15 000 000/ strip)	45 000 000
Amenities	(Thematic) Tourism road signage for Roof of Africa route linking provinces' and Lesotho's themed routes, in line with the TFCA tourism plan. (±500km @ R250 000/100km)	1 250 000
Information	Upgrade existing or establish one-stop border post between SA & Lesotho (500 sq m @ R2 500/sq m): Sani Pass, Ramatsilitso's Gate, Qachasnek, Ongeluksnek	5 000 000
	Establish/upgrade Tourism Information Centers: Bethlehem, Clarens, Fouriesburg, Harrismith, Phuthaditjaba, Bergville, Winterton, Ladysmith, Mooirivier, Nottingham, Howick, Himeville/ Sani Pass, Underberg, Matatiele, Kokstat, Qachasnek, Ongeluksnek, 5X Shell Ultra-Cities on KZN toll-route (R500 000/ centre)	11 000 000

Other Infrastructure required to optimize destination (Maloti/ Drakensberg TFCA)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Air	Establish immigration/ custom facilities to airlink Pietermaritzburg with various destinations in Lesotho, including Maseru (500 sq m @ R2 500/sq m)	Local authorities, DoT, DHA
Bulk Infrastructure	Telkom, cell and other bulk services for new investors and users Upgrade public tourism facilities at all tourism gateways, distribution, staging posts, etc.	Telkom, Vodacom, MTN, DoW Local authorities

Category 2: Priority areas for Tourism Infrastructure Investment (PATII's)

1. Phalaborwa, Nelspruit and Pietersburg (Patti's 10, 11 and 12)

Roads	R71 Haenertsburg – Tzaneen (upgrade)	35 000 000
	R524 Louis Trichardt to Punda Maria (upgrade and repair)	60 000 000
	R40 Phalaborwa to Nelspruit (upgrade)	70 000 000
Amenities	(Thematic) Tourism road signage for Ivory Trail and Golden Horseshoe, in line with the Northern Province tourism plan. (±700km @ R250 000/100km)	1 800 000
Information Centers	Louis Trichardt (R500 000/ centre) & upgrade public tourism facilities	500 000

Other Infrastructure required to optimize destination (Patti's 10, 11 and 12)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Bulk Infrastructure	Telkom, cell and other bulk services for new investors and users	Telkom, MTN, Vodacom, DoW
	N1 northern part between Louis Trichardt and Messina (upgrade to national highway standard)	SANRA
	Upgrade public tourism facilities at all tourism gateways, distribution, staging posts, etc.	Provincial & local authorities

2. Soweto

Roads	Upgrading of smaller roads around main attractions	15 000 000
Amenities	<p>Signage:</p> <p>Airport to Jhb and other staging points . (±50km @ R250 000/100km)</p> <p>Route signage system to Soweto and linking key attractions within Soweto . (±100km @ R250 000/100km)</p> <p>Orlando (Focal point for the use of both tourists and local community):</p> <p>Festival market:</p> <ul style="list-style-type: none"> ?? Arts and craft training center ?? SMME facilitation center ?? African style retail center including food and beverage ?? Public amenities (toilets, phones, parking) ?? Enabling infrastructure (paving, water, etc) ?? General infrastructure for safety and security at main tourism routes and stopping points 	<p>125 000</p> <p>250 000</p> <p>20 000 000</p>
Information	Information kiosks at Sandton, Rosebank and Airport	1 000 000
	Soweto tourism information center	500 000
Other Attractions	Museums	15 000 000
	Nelson Mandela 'house' in Alex	3 000 000
	Alex waterfront	100 000 000
	Other historical and cultural sites	5 000 000

Other Infrastructure required to optimize destination (Soweto)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Railway	Upgrading of rail facilities targeting the local market to access destinations such as Durban (Inter-modal connections, Railway amenities)	Metrospoor, Spoornet
Air	Inter-modal connection area at JIA including designated taxi rank Inter-modal interchange in Soweto (Coach into Soweto – links to rest of attractions in Soweto needed)	Airports Corporation Local Authority
Bulk Infrastructure	Telkom, cell and other bulk services for new investors and users Upgrade public tourism facilities at all tourism gateways, distribution, staging posts, etc.	Telkom, Vodacom, MTN, DoW Provincial & local authorities

3. Cape Town Environs

Roads	Chapmanspeak – upgrade and repair	130 000 000
	Upgrade Khayalitsha & Monwabisi Coastal Resort (4km @ R300 000)	1 200 000
Railways	Upgrade railway station	1 000 000
Amenities	Khayalitsha, Monwabisi, 3X Lookout Hill: Ablution facilities (500sq m @ R2 500/sq m)	6 250 000
	Signage: N2 to Khayalitsha station & onwards to Monwabisi resort (10km @ R250 000/100km)	25 000
	Signage: Hinterland's themed routes (300km @ R250 000/100km)	750 000
Information	West Coast & Overberg information centres, i.e. Khayelitsha, Caledon, Gansbaai, Bredasdorp, Worcester, Robertson, Montagu, Wellington, Paarl, Malmesbury, Moorreesburg, Langebaan, Vredenburg, Piketberg, Clanwilliam, Ceres, Vredendal (R500 000/ center).	8 500 000
	Monwabisi: Interpretative centre (Whale route)	3 000 000
Additional Attractions	Investment in rural/marginalized towns – tourism small business project (3X to be selected - @ R3 000 000)	9 000 000
	Western Cape Nature Conservation's new initiatives/investments	5 000 000

5. Greater Addo

Roads	<p>Upgrade R72 from N2 at Ncaraha to K/hoek including completion of Keiskamma River Pass (100km @ R500 000 = R50m)</p> <p>Construct new entrance to Addo from N2: connecting land, tar road, entrance gate = R20m</p> <p>Upgrade and maintain R335 and R400 (Addo to Zuurberg) (50km @ R300 000= R15m)</p>	85 000 000
Amenities	<p>Signage: (3X R250 000 = R750 000)</p> <ul style="list-style-type: none"> ?? Route and attraction signage Aliwal N to EL highlighting ?? Amatola and southern Drakensberg ?? PE airport/ PE beach/Addo ?? Sunday River Valley <p>Arts and craft training center (Queenstown, Alexandria, Peddie, Motherwell) (4X R100 000= R400 000)</p> <p>Arts and craft market (Stutterheim, Queenstown, Motherwell) (3X R50 000 = R150 000)</p> <p>Performing arts venue at Motherwell (R50 000)</p> <p>SMME facilitation unit at Queenstown, Alexandria, Peddie & Motherwell. (4X R20 000= R80 000)</p> <p>Public amenities & toilets etc at Stutterheim & Peddie. (2X R25 000 = R50 000)</p> <p>Security at Peddie & Motherwell. (2X R25 000= R50 000)</p> <p>African-theme Retail Center at Peddie. (R1m)</p>	2 530 000
Information	<p>Information centres at Queenstown, Stutterheim, Alexandria, Bushmans River, Peddie, Port Elizabeth Waterfront, Addo & Motherwell. (8X R500 000 = R4m)</p>	4 000 000

Other Infrastructure required to optimize destination (ADDO)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Railway	<p>Maintain and upgrade line from East London to Maclear (Private concession)</p> <p>Reinstate rail service from Alexandria to Addo (scenic route)</p> <p>Provide rail service between Port Elizabeth and Addo targeting new market</p>	<p>Spoornet</p> <p>Spoornet</p> <p>Spoornet</p>
Air	<p>Port Elizabeth airport: extend runway to allow charter jets</p>	<p>ACSA</p>
Bulk Infrastructure	<p>Telkom, cell and other bulk services for new investors and users</p> <p>Upgrade public tourism facilities at all tourism gateways, distribution, staging posts and destinations, i.e.</p>	<p>Telkom, MTN, Vodacom, DoW</p> <p>Provincial & local authorities</p>

5. Kalahari Triangle (Kimberley, Kuruman and Upington)

Amenities	Route signage between all themed routes, Upington is staging post for Augrabies, Riemvasmaak, Kgalagadi, Namaqualand & Cultural Routes (Kakamas, Keimoes and Augrabies draws cultural tourism) (1 200km @ R250 000/ 100km)	3 000 000
	Arts & crafts training centre	100 000

Other Infrastructure required to optimize destination (Kalahari Triangle)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Air	Upgrade tourism facilities at Kimberley and Upington Airports	Airport Corporations & Local authorities
	Inter-modal exchange area linking information and amenities with air, coach and rail	Moving South Africa, Spoornet, Private sector
Bulk Infrastructure	Telkom, cell and other bulk services for new investors and users	Telkom, Vodacom, MTN
	Upgrade public tourism facilities at all tourism gateways, distribution, staging posts and destinations	Provincial & local authorities

Category 3: Spatial Development Initiatives (SDIs)

6. Lubombo

Roads	N2: Upgrade between Piet Retief & N17 to Jhb (check road numbers) (50km)	15 000 000
	N2/R29: Between Piet Retief & Mkuze: Up-grade & repair (100km)	30 000 000
	Between Jozini & Ndumo, Tembe & Kosi Bay: Upgrade & repair (65km)	19 500 000
	Between Jozini and Sodwana/ Lake Sibaya:- Hardtop from Jozini ($\pm 80\text{km}$ @ R1m)	80 000 000
	Upgrade links to Black Rock, Rocktail Bay & Lala Nek (3X $\pm 30\text{km}$ @ R300 000/km)	27 000 000
	Upgrade & repair between Hluhluwe & Greater St Lucia Park ($\pm 40\text{km}$ @ R300 000/km)	1 200 000
Amenities	Tourism signage: Improve & link to regional themed routes ($\pm 300\text{km}$ @ R250 000/100km)	750 000
	More amenities from Lebombo SDI Tourism Development Plan	2 000 000
Information	Upgrade existing or establish one-stop border post between SA, Swaziland & Mozambique at Golela & Kosi Bay (2X 500 sq m @ R2 500/sq m)	2 500 000
	Establish/upgrade tourism information centers in/at @ R500 000/ center: Richards Bay; Mtubatuba; Hluhluwe; Mkuze; Sodwana; Jozini; Pongola; Piet Retief; Ermelo, Greater St Lucia Park	5 000 000

Other Infrastructure required to optimize destination (Lubombo)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Railway	Rail amenities between Durban & Golela, i.e. at Mtubatuba, Hluhluwe, Mkuze & Jozini?	Spoornet
Air	<p>Upgrade or construct new airport (La Merci)</p> <p>Maputo: International charter hub for Lubombo</p> <p>Mkuze: Upgrade airstrip & provide amenities</p> <p>Hluhluwe: Upgrade airstrip & provide amenities</p> <p>Kosi Bay: Upgrade airstrip & provide amenities</p> <p>Mtubatuba: Upgrade airstrip & provide amenities</p>	<p>Airports Corporation</p> <p>Mozambique</p> <p>Local authority</p> <p>Local authority</p> <p>KZN Conservation Services/ Private sector</p> <p>Local authority</p>
Bulk Infrastructure	<p>Upgrade/improve Telkom, cell and other bulk services for all users</p> <p>Upgrade public tourism facilities at all tourism gateways, distribution, staging posts and destinations</p>	<p>Telkom, MTN, Vodacom</p> <p>Provincial & local authorities</p>

7. Wild Coast

Roads	R61: - Between Lusikisiki & Port St Johns: Upgrade road & tar section ending outside Port St Johns at Umtata/ Port St Johns T-junction (18km @ R1m/ km).	18 000 000
	Upgrade connector roads to coastal towns, i.e. Mbotyi, Mngazi, Hluleka Nature Reserve, Coffee Bay & Hole in the Wall, Cwebe & Dwesa Nature Reserves & the Haven, Mazeppa Bay, Qolora Mouth (11X ±50km @ R300 000/km)	165 000 000
	Smaller roads to be identified, say 100km (@ R300 000/km)	30 000 000
Air	Upgrade Mkambati airstrip	15 000 000
Amenities	Themed tourism routes & signage required in Transkei which links coastal & inland products. (±1 000km @ R250 000/100km)	2 500 000
	More amenities from EU Community Based Tourism Development Project (currently in implementation) & Wild Coast SDI	2 000 000
Information	Upgrade existing or establish one-stop border post between Transkei & Lesotho at Ongeluksnek (500 sq m @ R2 500/sq m)	1 250 000
	Establish or upgrade Tourism Info Centres at Wild Coast Sun, Port Edward; Kokstad/ Harding; Umtata (Town & Airport); Port St Johns; Idutywa; Butterworth; Kei Cutting; East London (City & Airport) (R500 000/ information center)	6 000 000

Other Infrastructure required to optimize destination (Wild Coast)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/ authority
Sea	<p>East London harbour:</p> <p>Provide tourism amenities for cruise liners</p> <p>Create linkage to railway station for transit pax to train</p>	Port authorities
Railway	<p>East London station: Improve tourism amenities for train tourists & create linkage to harbour for transit pax to cruise liner</p> <p>Rail amenities at Butterworth, Idutywa & Umtata</p>	Spoornet, Metrorail
Air	Upgrade/improve Umtata Airport with tourism amenities	ACSA & Umtata Local Council
Bulk Infrastructure	<p>Improve/upgrade Telkom, cell and other bulk services for all users</p> <p>Upgrade public tourism facilities at all tourism gateways, distribution, staging posts and destinations, i.e. Butterworth, Idutywa, Umtata, Port St Johns, Flagstaff and Lusikisiki</p>	<p>Telkom, Vodacom, MTN</p> <p>Provincial & local authorities</p>

8. Coast-to-Coast (including North West)

Roads	<p>R511:- Jhb – Hartebeestpoort: upgrade: (80km @ R500 000/km = R40m)</p> <p>R512:- Sun City – Madikwe: Upgrade & tar sections between Mabeskraal & Derdepoort: : (70km @ R500 000/km = R35m)</p> <p>R509:- Jhb – Swartruggens: (150km @ R500 000/km = R75m)</p> <p>N4/R27:- Swartruggens – Zeerust: (70km @ R500 000/km = R35m)</p> <p>R505:- Zeerust – Derdepoort: (120km @ R300 000/km = R36m)</p> <p>Brits to Sun City upgrade: (90km @ R300 000/km = R27m)</p> <p>Smaller roads: (100km @ R300 000 = R30m)</p>	278 000 000
Amenities	<p>Tourism signage required on all tourism flows: (5 x R250 000/100km)</p> <p>Amenities as per provincial Tourism Master Plan (R750 000)</p> <p>Museum in Zeerust (R250 000)</p> <p>Arts & Crafts Training Centre (R100 000)</p> <p>Upgrade public tourism facilities at all tourism distribution and staging posts (R350 000)</p>	2 600 000
Information	<p>Tourism Information Centres in/at Sun City, Zeerust , Swartruggens, Groot Marico, Brits, Hartebeestpoort, Rustenburg (7 x R500 000)</p>	3 500 000

Other Infrastructure required to optimize destination (Coast-to-Coast)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Railway	Rail amenities between Jhb & (at) Zeerust, Railway and amenities between Rustenburg & Thabazimbi close to Manyane Gate Re-opening of the Pretoria – Rustenburg line	Spoornet Spoornet Spoornet
Air	Madikwe could use Gaborone International Pilanesberg: Extension of runway for charter jets	Botswana Air Authorities, DHA, DoT ACSA
Bulk Infrastructure	Madikwe :- Telecomm (Telkom & cell) & other bulk services for all users Upgrade public tourism facilities at all tourism gateways, distribution, staging posts and destinations	Telkom, MTN, Vodacom, DoW Provincial & local authorities

9. Barberton

Roads	Upgrade Tienie Louw road – Songimvelo	32 000 000
	Smaller roads to be identified.	25 000 000
Air	Upgrade airport infrastructure in Kaapmuiden, Malelane, Badplaas and Barberton	20 000 000
Amenities	(Themed) tourism signage required on N4, R38, R541, Tienie Louw/Songimvelo & Barberton/Piggs Peak. R250 000/ 100km)	750 000 2 000 000 2 000 000
	More amenities from Mpumalanga Tourism Development Plan & Maputo Corridor Development Plan?	2 000 000
Information	Upgrade existing or establish one-stop border post between SA & Swaziland at Piggs Peak (500 sq m @ R2 500/sq m)	1 250 000 3 000 000
	Establish/upgrade Tourism Information Centers (R500 000/ center) in/at: Badplaas, Piggs Peak, Lochiel, Kaapmuiden, Malelane & Komatipoort & upgrade public tourism facilities at abovementioned information centers.	

Other Infrastructure required to optimize destination (Barberton)

Type of Infrastructure	Detailed description of infrastructure	Responsible agency/authority
Railway	Rail amenities in Nelspruit, at Kaapmuiden & Malelane	Spoornet
Bulk Infrastructure	Improve/upgrade Telkom, cell and other bulk services for all users	Telkom, MTN, Vodacom, DoW
	Upgrade public tourism facilities at all tourism gateways, distribution, staging posts, etc.	Provincial & local authorities