

**APPENDIX 5  
STRATEGIC INFRASTRUCTURE PROJECTS**

<p><b>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</b></p> <ul style="list-style-type: none"> <li>• Unlock mineral resources</li> <li>• Rail, water pipelines, energy generation and transmission infrastructure</li> <li>• Thousands of direct jobs across the areas unlocked</li> <li>• Urban development in Waterberg - first major post-apartheid new urban centre will be a “green” development project</li> <li>• Rail capacity to Mpumalanga and Richards Bay</li> <li>• Shift from road to rail in Mpumalanga</li> <li>• Logistics corridor to connect Mpumalanga and Gauteng.</li> </ul>	
<p><b>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</b></p> <ul style="list-style-type: none"> <li>• Strengthen the logistics and transport corridor between SA’s main industrial hubs</li> <li>• Improve access to Durban’s export and import facilities</li> <li>• Integrate Free State Industrial Strategy activities into the corridor</li> <li>• New port in Durban</li> <li>• Aerotropolis around OR Tambo International Airport.</li> </ul>	
<p><b>SIP 3: South-Eastern node &amp; corridor development</b></p> <ul style="list-style-type: none"> <li>• New dam at Mzimvubu with irrigation systems</li> <li>• N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains</li> <li>• Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape</li> <li>• A manganese sinter (Northern Cape) and smelter (Eastern Cape)</li> <li>• Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector.</li> </ul>	
<p><b>SIP 4: Unlocking the economic opportunities in North West Province</b></p> <ul style="list-style-type: none"> <li>• Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure</li> <li>• Enabling reliable supply and basic service delivery</li> <li>• Facilitate development of mining, agricultural activities and tourism opportunities</li> <li>• Open up beneficiation opportunities in North West Province.</li> </ul>	
<p><b>SIP 5: Saldanha-Northern Cape development corridor</b></p> <ul style="list-style-type: none"> <li>• Integrated rail and port expansion</li> <li>• Back-of-port industrial capacity (including an IDZ)</li> <li>• Strengthening maritime support capacity for oil and gas along African West Coast</li> <li>• Expansion of iron ore mining production and beneficiation.</li> </ul>	
<p><b>SIP 6: Integrated municipal infrastructure project</b></p> <p>Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>	
<p><b>SIP 7: Integrated urban space and public transport programme</b></p> <p>Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>	
<p><b>SIP 8: Green energy in support of the South African economy</b></p> <p>Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p>	

<p><b>Indicate capacity in MW:</b></p>	
<p><b>SIP 9: Electricity generation to support socioeconomic development</b> Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p>	
<p><b>Indicate capacity in MW:</b></p>	
<p><b>SIP 10: Electricity transmission and distribution for all</b> Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development. Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>	
<p><b>SIP 11: Agri-logistics and rural infrastructure</b> Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&amp;D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>	
<p><b>SIP 12: Revitalisation of public hospitals and other health facilities</b> Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>	
<p><b>SIP 13: National school build programme</b> A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>	
<p><b>SIP 14: Higher education infrastructure</b> Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>	
<p><b>SIP 15: Expanding access to communication technology</b> Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infracore fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas. While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity. The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p>	
<p><b>SIP 16: SKA &amp; Meerkat</b> SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.</p>	
<p><b>SIP 17: Regional integration for African cooperation and development</b></p>	

<p>Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.</p> <p>The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term.</p> <p>All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.</p>	
<p><b>SIP 18: Water and sanitation infrastructure</b></p> <p>A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation.</p> <p>The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.</p>	
<p><b>SIP 19: Water and Sanitation</b></p> <p>a. Vaal River System including Phase 2 of the Lesotho Highlands Water Project: Gauteng  b. Phase 2A of the Mokolo Crocodile River (West) Augmentation Project: Limpopo  c. uMkhomazi Water Project: KwaZulu Natal  d. Olifants River Water Resource Development Project - Phase 2: Limpopo  e. Vaal-Gamagara: Northern Cape  f. Mzimvubu Water Project: Eastern Cape  g. Rehabilitation of the Vaalharts-Taung Irrigation Scheme: Northern Cape &amp; North West  h. Groot Letaba River Water Development Project - Nwamitwa Dam: Limpopo  i. Berg River Voëlvlei Augmentation Scheme: Western Cape  j. Rustfontein Water Treatment Works: Free State  k. Orange-Riet Canal Increase of Bulk Raw Water Supply: Free State</p>	
<p><b>SIP 20: Energy</b></p> <p>a. Emergency/Risk Mitigation Power Purchase Procurement Programme (2000MW): National  b. Small IPP Power Purchase Procurement Programme (100MW): National  c. <u>Embedded Generation Investment Programme (EGIP)-400MW: National</u></p>	Yes
<p><b>SIP 21: Transport</b></p> <p>a. N1 Windburg Interchange to Windburg Station: Free State  b. N1 Musina Ring Road: Limpopo  c. N1 Polokwane Eastern Ring Rd Phase 2: Limpopo  d. N1 Ventersburg to Kroonstad: Free State (2 projects in One)  e. N2 Mtunzini Toll Plaza to Empangeni T-Junction: KwaZulu Natal. N3 Cato Ridge to Dardanelles: KwaZulu Natal  g. N3 Dardanelles to Lynnfield Park: KwaZulu Natal  h. N3 Paradise Valley to Mariannhill Toll Plaza: KwaZulu Natal  i. N2 Edwin Swales to South of EB Cloete Interchange: KwaZulu Natal  j. N3 Ashburton Interchange to Murray Road: KwaZulu Natal  k. N3 Mariannhill Toll Plaza to Key Ridge: KwaZulu Natal  l. N2 EB Cloete Interchange: KwaZulu Natal  m. Small Harbours Development: National  n. N3 New alignment via De Beers Pass: Free State  o. Boegoebaai Port and Rail Infrastructure Project: Northern Cape</p>	
<p><b>SIP 22: Digital Infrastructure</b></p> <p>a. National Spatial Infrastructure Hub</p>	
<p><b>SIP 23: Agriculture and Agro-processing</b></p> <p>a. Marine Tilapia Industry: Eastern Cape  b. Natural Dehydrated Foods: Mpumalanga</p>	

<b>SIP 24: Human Settlements</b>	
a. Greater Cornubia: KwaZulu-Natal	
b. Vista Park II & III: Free State	
c. Lufhereng: Gauteng	
d. Malibongwe Ridge: Gauteng	
e. N2 Nodal Development: Eastern Cape	
f. Matlosana N12 West: North West	
g. Green Creek: Gauteng	
h. Mooikloof Mega Residential City: Gauteng	
i. Fochville Extension 11: Gauteng	
j. Germiston Ext 4 Social Housing Project: Gauteng	
k. Newcastle Hospital Street Social Housing Project: KwaZulu Natal	
l. Hull Street Social Housing Project Phase 1: Northern Cape	
m. Kwandokuhle Social Housing Project: Mpumalanga	
n. Phola Heights - Tembisa Social Housing Project: Gauteng	
o. Sondela Phase 2: Gauteng	
p. Willow Creek Estate: Mpumalanga	
q. Joe's Place Social Housing: Gauteng	
r. Jeppetown Social Housing Project (Unity House): Gauteng	
<b>SIP 25: Rural Bridges "Welisizwe" Programme</b>	
<b>SIP 26: Rural Roads Upgrade Programme</b>	
<b>SIP 27: Upgrading and Repair of Township Roads in Municipalities Programme</b>	
<b>SIP 28: PV and Water Savings on Government Buildings Programme</b>	
<b>SIP 29: Comprehensive Urban Management Programme</b>	
<b>SIP 30: Digitising of Government Information Programme</b>	
<b>SIP 31: Removal of Alien Vegetation and Innovative Building Materials Programme</b>	
<b>SIP 32: National Upgrading Support Programme (NUSP)</b>	
<b>SIP 33: Solar Water Initiatives Programme</b>	
<b>SIP 34: Student Accommodation</b>	
<b>SIP 35: SA Connect Phase 1B Programme</b>	
<b>SIP 36: Salvokop Precinct</b>	



PUBLIC WORKS AND INFRASTRUCTURE  
INFRASTRUCTURE SOUTH AFRICA  
REPUBLIC OF SOUTH AFRICA

Department of Public Works and Infrastructure | Central Government Offices | 256 Madiba Street | Pretoria | Contact: +27 (0)12 406 16271 +27 (0)12 323 7573  
Private Bag X9155 | CAPE TOWN, 8001 | RSA 4th Floor Parliament Building | 120 Plain Street | CAPE TOWN | Tel: +27 21 402 2228 Fax: +27 21 462 4592  
www.publicworks.gov.za

Dr Kgosientsho Ramokgopa  
a/ Head: Infrastructure South Africa  
Chairperson: SIP Steering Committee  
Email: [alvino@presidency.gov.za](mailto:alvino@presidency.gov.za)  
[Kgosientsho@presidency.gov.za](mailto:Kgosientsho@presidency.gov.za)

To Whom It May Concern,

**STRATEGIC INTEGRATED PROJECT (SIP) 20c EMBEDDED GENERATION INVESTMENT PROGRAMME (EGIP): NATIONAL – ACKNOWLEDGEMENT OF PROJECT STATUS**

The Embedded Generation Investment Programme (EGIP) forms part of the Energy Strategic Integrated Project No. 20c, which was gazetted by Honourable Minister Patricia De Lille in Government Gazette 43547 on 24 July 2020. These projects are classified as Strategic Integrated Projects (SIP) and are to be managed within the requirements as set out in the Infrastructure Development Act (Act No. 23 of 2014) and its amendments.

As per the gazette of the Honourable Minister of the Department of Public Works and Infrastructure, the following projects fall under the Embedded Generation Investment Programme: SIP 20c:

- i. **Sibanye: SA Gold Solar Project (50MW)**
- ii. **Sibanye: Umsinde Wind Farm (144MW)**
- iii. **Sibanye: Castle Wind Farm (89MW)**
- iv. **Sibanye: Witberg Wind Farm (99MW)**

These projects are regarded as Strategic Integrated Projects (SIPs) to be expedited in terms of Schedule 2 (Section 17(2)) of the Infrastructure Development Act (Act No. 23 of 2014).

The following individuals from Infrastructure South Africa are responsible for the Energy Infrastructure Portfolio and SIP 20c, and may be contacted for further assistance:

<b>STRATEGIC INTEGRATED PROJECT No. 20c: EGIP</b>	
<i>Alvino Wildschutt-Prins</i>	<i>Sandile Peta</i>
Overall Management and Lead SIP Programme Management Office	SIP 20 Lead
<a href="mailto:Alvino@presidency.gov.za">Alvino@presidency.gov.za</a>	<a href="mailto:sandilep@idc.co.za">sandilep@idc.co.za</a>
Tel: 072 650 2449	Tel: 011 269 3570

I hereby request that you please assist the Project Sponsor with the necessary approvals, authorisations, licences, permissions and exemptions, as determined within the boundaries of the Infrastructure Development Act (Act No 23 of 2014). Your assistance will be much appreciated.

We wish you all the best in the development of this project.

Yours sincerely,

A handwritten signature in black ink, consisting of a large, stylized initial 'R' followed by a long, horizontal stroke that tapers to the right.

---

**Dr Kgosientsho Ramokgopa**

Chair: Strategic Integrated Project Steering Committee

Date: 4 July 2022