



RPS

ILANGABI

RPS ENGINEERING CC CK 2001/022608/23 T/A

RPS ILANGABI

**CONSULTING ELECTRICAL ENGINEERS
PROJECT AND FACILITIES MANAGERS**



COMPANY PROFILE

△RPS ILANGABI

WHO ARE WE

RPS Ilangabi is a Black Economic Empowerment South African Consulting Electrical Engineering Firm. Our executive team obtained their grounding as Electrical Engineers in diverse Industry Sectors through which the wealth of experience in the company is based. This experience covers the design and project management of projects involving Infrastructure Development and Refurbishment. RPS has the necessary resources and experience to meet current and future challenges within the “built” environment with confidence. We take great pride in the dedication of our staff and are backed by state of the art Design and Management Information Systems.

VISION

Our VISION is to be a nationally recognised professional, engineering and technical services company dedicated to providing value added services to our clients. We will provide full service capabilities to our clients and will add additional expertise and specialists to respond to our clients needs.

In adherence to our corporate values, we will remain a privately owned company offering individual growth and opportunities within an entrepreneurial culture. We will expand geographically and diversify into new markets and achieve a competitive position nationally and internationally through our technical problem solving capabilities. To ensure our ability to capitalise on expansion opportunities we will maintain our financial stability and improve our cash reserves and return on investment.

Through sound financial management and quality services we will be recognised by our clients, shareholders and employees as a market leader in our industry.

MISSION STATEMENT

RPS Ilangabi’s business is to provide multi-professional construction services dedicated to our Clients needs in an innovative and timely manner remaining on the forefront of technology, whilst being flexible, responsive and diversified to compete in the marketplace to ensure viability and long term growth in the value of our company.



CORPORATE VALUES

- Our first responsibility is to all the people who use our products and services. In meeting their needs, everything we do must be of high quality, in pursuit of which Continuous Improvement Process (CIP) will be our guiding principle. We will consistently strive to reduce costs in order to maintain reasonable and competitive prices.
- Management is responsible to their employees, who they acknowledge, their dignity, and recognise their merit. RPS strives to pay competitive remuneration to its employees and provide a safe working environment that encourages personal development and equal opportunity for employment.
- We must provide the leadership that allows our employees to develop to their full potential.
- We are an equal opportunity company comprised of a team who display the qualities of integrity, responsiveness, professionalism and technical excellence.
- We are responsible to the communities we live and work in. We support community good works and charities and pay our fair share of taxes. We are committed to the principles of fair and free competition. We promote education and training, particularly amongst the previously disadvantaged communities. We endeavour to maintain good order on all the properties we are privileged to use and protect the environment and natural resources. In pursuit of Corporate Social responsibility we try to be officials must be actively involved in community affairs through Liaison Committees and any other established channels.
- Our final responsibility is to our shareholders. Our goal is to earn an optimum return on investment, using prudent, ethical and farsighted management. It is for this reason that we vigorously pursue well measured continuous growth because we realize that we cannot maintain a position of strength and leadership without it. Growth is also important for us to attract the high calibre people that we need.

QUALITY STATEMENT

- RPS will apply strict quality to all our interactions with and on behalf of customers. The services will be constantly improved through a process of continuous process improvement, regular customer feedback and periodical reviews by certified quality standards bodies. RPS will attain ISO 9001:2000 certification in 2008.

PROFESSIONAL MEMBERSHIP

- ECSA professional registration
- SAACE
- AMEU
- SACPMP
- SAIEE
- IEE (UK)
- SAFHE

ESKOM REGISTRATION

Vendor Number: **11044420**

SCOPE OF SERVICES OFFERED

PROJECT MANAGEMENT SERVICES

RPS Ilangabi provides Project Management Services for a broad spectrum of Electrical Installations including:

- ❑ Electrical Distribution Management Services and Revenue Protection, Tariff Investigations and Integrated Management Systems.
- ❑ Management of Turnkey Electrical Reticulation Projects.
- ❑ Management of Turnkey Industrial, Electrical Projects, new installations and refurbishments.
- ❑ Management of Electrical Maintenance projects.
- ❑ Management of Outsourced Services, including Facilities Management.
- ❑ Management of community Based Contractors in Electrical chanicalInfrastructure Development Projects.

ELECTRICAL RETICULATION ENGINEERING SERVICES

- ❑ **Transmission Systems**
 - Transmission lines up to 132kv, including planning, profiling, designing and templating.
 - Injection and switching substations up to 132kv.
 - Overhead and Underground Municipal and Rural Distribution Systems.
- ❑ **Distribution Systems**
 - Low cost Reticulation Systems.
 - Overhead Reticulation Systems.
 - Underground Reticulation Systems.
- ❑ **Electrical Load and Distribution Management Systems (Demand Side Management)**
 - Residential Hot Water Load Control using Ripple Technology.
 - Industrial Load Control.
 - Load Control in large building complexes.
 - Quality of Supply Investigations.
- ❑ **Lighting Installations**
 - Street Lighting.
 - Area Lighting.

- Highway Lighting.
 - Stadium Lighting.
 - All types of buildings.
- **Telemetry and Telecontrol Systems**
- Telemetry for water and sewage systems.
 - Telecontrol of Electrical Reticulation Systems.

ELECTRICAL BUILDING SERVICES

RPS Ilangabi Services offers a wide scope of Electrical Services from the **Concept Phase** through to the **Final Handover Stage**.

ELECTRICAL BUILDING SERVICES

Our expertise in the field of Electrical Building Services includes, but is not limited to, the following:

- HV and MV installations.
- Lighting protection and earthing.
- Building Electrical Services.
- Area lighting.
- Generator/essential supply installation/standby electricity supply systems.
- Telephone/PABX installations.
- Motor/pump control and protection.

COMMUNITY DEVELOPMENT AND EMPOWERMENT INITIATIVES

Traditionally, businesses have in the main, concerned themselves with profit maximisation with scant regard to social issues like skills, training, empowerment and employment creation. The new democratic dispensation now requires this view to change somewhat, largely due to social pressures by non-governmental organizations, civil society and governmental initiatives.

At RPS Ilangabi, social development and empowerment issues are at the heart of our operations. This comes naturally, perhaps because of our nature as a Black Economic Empowerment Corporation. We are convinced that it is not only desirable, but also indeed necessary to create wealth while solving social problems.

RPS Ilangabi has taken a conscious decision to actively encourage community involvement in all our activities. This way, skills will be developed, employment created and economic activities stimulated in the underdeveloped communities.

Our aim is to promote the Community Co-ordination Committees concept and in the following brief discussions, we indicate how these would work in project management:

- ❑ All our projects, as far as is possible and in consultation with client needs, would have to be designed and implemented in such a way that they are labour intensive.
- ❑ Equipment and materials should be provided so that they do not act as barriers for the small community based contractors.
- ❑ As far as possible, all community-based projects should have a training component so that previous experience and skills do not deter the small contractors.
- ❑ Project documentation should be as simple as possible to enable the inexperienced contractors and labourers to do the work.

FACILITIES MANAGEMENT

- ❑ Management of all Institutional Electrical Services including Planning, Procurement, Installation, Repair and Maintenance.
- ❑ Management of all Institutional Services.
- ❑ Demand Side Management for Electrical Power for Institutions.
- ❑ Monitoring Energy Utilisation Patterns to ensure Efficiency and Optimisation.

TELECOMMUNICATIONS

- ❑ Guidance to clients on options to meet telecommunications needs effectively.
- ❑ Optimisation of networks for providers

BUSINESS CONSULTANTS

- ❑ Business process mapping and optimisation
- ❑ Key person placement and training

REGIONAL OFFICES IN SOUTH AFRICA



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RESOURCE SCHEDULE

Vehicles:

Motor vehicles	
LDV's	9

Equipment:

HP A0 Colour Plotters	2
Trimble GPS	1
Printers	8
Photo Copiers	5
Scanners	5

Professional Software:

PLS-CADD	1
Microstation V8	5
Reticmaster V11	5
Power Office	5
MS project	4
MS Office	7

KEY PERSONNEL/PARTNERS

RPS Ilangabi is built on a sound reputation of its people in providing project management and engineering design/consultancy services to its clients. We are committed to long term relationships with all our clients, based on excellence, professionalism, honesty, as well as shared expertise, and will provide Total Quality, cost effective, timely engineering solutions and products to satisfy the needs of our customers. Below is a list of our key personnel and abridged areas of expertise:

PARTNERS

<p>1. LENNOX BARNETT PR Eng C Eng(UK), B.Sc. Eng. (Elect.), AEP</p> <ul style="list-style-type: none"> ▪ Design and Project Management ▪ MV and LV Distribution Systems ▪ Building Electrical Services ▪ MCCs and Power Distribution ▪ Lighting – Area/Stadia/Street ▪ Energy Management Control Systems ▪ Designs and Configuration ▪ Upgrade, Refurbishment ▪ Healthcare Hospitals ▪ Data networks ▪ Fire protection and Detection ▪ Standby Generators, UPS, Frequency Convertors ▪ Feasibility and Environmental Impact Studies and Audit. <p>Cell Number: 083 675 1525</p>	<p>2. REGIS MASUKU HND (Electrical Engineering) MDP (UP), SMP (UP), MBA(UP – current)</p> <ul style="list-style-type: none"> ▪ Former Director Ballenden & Robb (SA) Pty Ltd ▪ Design and Project Management ▪ MV and LV Distribution Systems ▪ Industrial Automation (VSD, PLC) ▪ Lighting – Area/Stadia/Street ▪ Energy Management Control Systems ▪ MCC's and Power Distribution ▪ MV line Audits & Refurbishment <p>Cell Number: 082 780 5750</p>
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KEY PERSONNEL

<p>3. PEARSON SIBANDA HND (Electrical Engineering), National Diploma (Electrical Eng), MDP (UP), SMP (UP), MBA (UP – current)</p> <ul style="list-style-type: none"> ▪ Design and Project Management ▪ Information Technology Systems ▪ Designs and Configuration ▪ LAN – WAN Installations ▪ Upgrade, Refurbishment ▪ Revenue Protection Schemes and Tariff Structure Analysis ▪ Telecommunication Networks – PABX ▪ Fire Protection and Detection ▪ Security systems, Access and CCTV Systems <p>Cell Number: 082 831 8200</p>	<p>4. TINASHE MANDIRINGANA S4 Elect Technician</p> <ul style="list-style-type: none"> ▪ Design Technician ▪ Design and Project Management ▪ Building Electrical Services ▪ Information Technology ▪ MV and LV Distribution/Reticulation ▪ MCCs and Power Distribution ▪ Lighting – Area/Stadia/Street ▪ Energy Management Control Systems ▪ Clerk of Works – Quality Control ▪ Fire Protection and Detection
<p>5. SEAN BAWS</p> <ul style="list-style-type: none"> ▪ Eskom HV Regs. Modules 1 - 10 ▪ Quality Control ▪ Design and Project Management ▪ MV & LV Reticulation/Distribution ▪ MCC and Power Distribution ▪ Clerk of Works – Quality Control ▪ Information Technology ▪ Design and Project Management 	<p>6. PHILLIP PIETERSE ICDL Certificate.</p> <ul style="list-style-type: none"> ▪ Design Technician ▪ Design and Project Management ▪ Quality Control ▪ Design and Implementation of Schools for Eskom ▪ Information Technology ▪ Building Electrical Services

7. CHRISTA ALBERTS

- CAD – Drawing Office Manager
- Document Control

8. LULAMA MAPAQA

- Clerk of Works – Quality Control
- MV & LV Reticulation/Distribution

PROJECT LIST FOR ENGINEERING DESIGN AND PROJECT MANAGEMENT IN THE VARIOUS PORTFOLIOS.

	Customer	Project Name	Description
1	Eskom Southern Region	Keiskammahoek Electrification	Electrification of 4500 erven
2	Eskom Southern Region	Libode Phase 1A & 1B Electrification	MV and LV Reticulation of 3000 erven
3	Eskom Southern Region	Tsolo Developer Project	Electrification of 439 stands
4	Eskom Southern Region	Qumbu Developer Project	Electrification of 569 stands
5	Eskom southern Region	Peddie Wesley 22KV line	Audit and Line Refurbishment
6	Eskom Southern Region	Schools	Audit & Electrification of Schools in the Eastern Cape
7	Eskom Southern Region	Kohlo Electrification	Project Management of the Electrification of 4400 Connections
8	Eskom Southern Region	Zwallu Springfontein – 22KV Line Refurbishment	Audit & Refurbishment of the 22KV line
9	Eskom Southern Region	Engcobo 5A & 5B Electrification	Project Management of approx. 4000 stands electrification
10	Eskom Southern Region	Tshabo & Siyathemba Village	Electrification
11	Eskom Southern Region	Umtata Rural Phase 1 Electrification	Electrification of approx 4574 connections.
12	Eskom Southern Region	Zimbane-Ncora	Building of 102km of 66kV Line
13	Eskom Southern Region	Zimbane SubStation	66kV SubStation
14	Eskom Northern Region	Derdepoort/Batavia Line	Audit and Refurbishment of 22KV line
15	Eskom Northern Region	Kareebos/Nantes/Pafuri 22KV lines	Audit & Refurbishment of 22KV lines
16	Eskom Northern Region	RBA Extension	Electrification of 1000 stands
17	Eskom Northern Region	Syferkuil-Dikgale 11KV line	Refurbishment of SDA 11KV line
18	Eskom Northern Region	Spencer - Venulu	132kV Feeder Bay & 50km Line + Bus Section Breaker
19	Eskom Northern Region	Witkop-Gompien	Building of 42km of 132kV Line
20	Eskom Eastern region	Mlozana Electrification	Electrification of Mlozana – Margate Area – 1200 stands
21	Eskom Eastern Region	Highflats NB 21	Refurbishment of Highflats NB21 22KV line
22	Eskom Eastern Region	Mtubatuba NB 07	Refurbishment of Mtuba 07 22KV line
23	Eskom Eastern Region	Gruneck NB03	Refurbishment of Gruneck 01 11 kV line
24	Eskom Eastern Region	Greytown NB01	Refurbishment of Greytown 11 kV line
25	Eskom Eastern Region	Wartburg NB22	Refurbishment of Wartburg-Wartburg Area
26	Eskom Eastern Region	Kwafodo	Electrification of Kwafodo in Harding Area
27	Eskom Eastern Region	Domezulu	Electrification of Domezulu in Port Edward
28	Eskom Eastern Region	Ingwemabala	Electrification of Ingwemabala-Port Edward Area
29	Eskom Eastern Region	Amacwera	Electrification of Amacwera in Mount Frere Area
30	Eskom Eastern Region	Greenville	Electrification of Greenville in Port Edward
31	Eskom Eastern Region	Phaphasi-Nhlwathi	Electrification of 440 connections at Phaphasi
32	Eskom Eastern Region	Boswith	Electrification of 300 connections at Boswith
33	Eskom Eastern Region	Kokstad NB2	Refurbishment of 11kV line

	Customer	Project Name	Description
34	Eskom Eastern Region	Cedarville NB4	Refurbishment of 11kV line
35	Eskom Eastern Region	Franklin NB1	Refurbishment of 11kV line
36	Bonesa – TSI Eskom	Area and street Lighting-Pta/Brits/Barberton	Street t Lighting-Change to Energy Saving Type
37	Buffalo City Municipality	Lingelitsha	Electrification of 457 stands
38	Buffalo City Municipality	Outspan Standby Generator Set	Outspan /standby Genset
39	Buffalo City Municipality	Reeston Electrification	Electrification of approx. ±500 stands including Streetlights
40	Eastern Cape Public Works Department	Tsolo Community Health Centres	Building Electrical Services
41	King William's Town	Phakamisa /Electrification	MV and LV Reticulation for 1100 Stands
42	Port Elizabeth Municipality	Ibhayi Ext 3 Electrification	MV and LV Reticulation for 450 Stands
43	Nelson Mandela Metropolitan Municipality	Bethelsdorp Electrification	MV, LV Reticulation of approx. 214 stands in Bethelsdorp Township
44	Mhlontlo Local Municipality	Electrification of Developer Project Areas	MV and LV Reticulation of Qumbu & Tsolo Developer Projects – Eskom Funded
45	University of Fort Hare	Facilities Management / Energy Management	Complete Audit of Electrical Infrastructure
46	Aliwal North Municipality	Streetlight Project	N6 and R508 Street lighting of approx. 2,5km each
47	Kouga Municipality	Greenfields Electrification	Design & Project Management
48	KSD Municipality	Secondment of Responsible Person	Heading the Electrical Directorate
49	KSD Municipality	Load Control and Energy Efficiency	Implementing Demand Side Management measures for the municipality
50	Matjhabeng Municipality	Pumpstation upgrade	Project Management
51	Matjhabeng Municipality	Asset Valuation and Ringfencing	Project Management
52	Matjhabeng Municipality	Load Control and Energy Efficiency	Implementing Demand Side Management measures for the municipality
53	Swiftnet	Business and Telecommunications Consultancy	Process optimization and network upgrade and new network installation. Design and project management
54	Eskom Southern Region	Zimbane S/S 2X10MVA	Contract Project Management
55	Eskom Southern Region	Rhini Township Refurbishment	MV, LV Reticulation
56	Eskom Southern Region	Refurbishment	Kubusie Lines +/-600km
57	Eskom Southern Region	Developers • Freestone • Stationhill • Loeriheuwel	MV, LV Reticulation Total +/- 900stands
58	Nelson Mandela Metropolitan Municipality	Joe Slovo Electrification	MV, LV Reticulation of 1600 erven
59	Mbizana Municipality, DME Funded	S/S Upgrade 2X15MVA	Design, Tender, Construction Management

	Customer	Project Name	Description
60	KSD Municipality	Umtata Rural Phase 1	4660 connections
61	Eskom Southern Region	Schools 2006/07	
62	Eskom Southern Region	Kubusi Lines	Refurbishment
63	City of Cape Town	Load Control and Energy Efficiency	Implementing Demand Side Management measures for the municipality
64	Eskom Northern Region	Mashung electrification	850 connections
65	Eskom Northern Region	Mantserre electrification	150 connections
66	Eskom Northern Region	Pitsuilesdetang electrification	85 connections
67	Maluti-A-Phofung Municipality	Load Control and Energy Efficiency	Implementing Demand Side Management measures for the municipality
68	Spencer Venulu	132kV 50km line	Design, Tender, Construction Management
69	Coleurs Generator Set	50kVA Genset	Design source and manage installation
70	Fastnet Generator Set	50kVA Genset	Design source and manage installation
71	JRA Generator Set and UPS	JRA Backup Power	Audit design and implement for 66 Sauer Street and 5 depots
72	CRH-Conti International	1150kVA Genset	Install and commission
73	Sony BMG	185kVA Genset	Proposal, design and install
74	Coleurs	Install 2 new lines	Assess, design and implement new capacity
75	Eskom Northern Region	Goba Electrification	300 connections
76	Eskom Northern Region	Phola	100 Connections
77	Eskom Northern Region	Phomolong	820 Connections
78	Eskom Northern Region	Masenya	100 Connections
79	Eskom Northern Region	Mabusela (Mapela)	100 Connections
80	Eskom Northern Region	Ga-Pila (Stinkwater)	300 Connections
81	Eskom Northern Region	Dinisani-Mashathleng	350 Connections
82	Eskom Northern Region	Taolome	300 Connections
83	Eskom Southern Region	Khotana Phase 1	CPE and MV/LV survey services for 3838 connections
84	Eskom Southern Region	Ingquza Village	CPE and MV/LV survey services for 2626 connections
85	Eskom Southern Region	Lady Frere 8B Phase 2	CPE and MV/LV survey services for 1767 connections
86	Eskom Southern Region	Lady Frere 8B Phase 3	CPE and MV/LV survey services for 1150 connections
87	Eskom Southern Region	Khanyayo Village Phase 1	CPE and MV/LV survey services for 2462 connections
88	Centlec	Energy Efficiency	Implementation of Energy Efficiency Initiatives
89	Eskom Southern Region	Butterworth Phase 5	Turnkey Electrification 4000 Connections
90	Eskom Southern Region	Umtata Rural Phase 2	Turnkey Electrification 2914 Connections
91	Eskom Southern Region	Tsolo Phase 5B	Turnkey Electrification 2900 Connections
92	Eskom Southern Region	Elliotdale Rural	Turnkey Electrification 2300 Connections
93	Eskom Eastern Region	Malangeni Rural Ph 2	Electrification Project 1052 Connections
94	Department of Works KZN	King George V Hospital	Electrical and Electronic Building Services
95	Eskom Northern Region	Kutlwanong ext Lovelife (2010/11)	Electrification and design
96	Eskom Eastern Region	Schools	2009 / 2010 Programme
97	Centlec	Energy Losses	Investigation of technical and non-technical losses
98	Maluti-A-Phofung	Electrification Project	1401 Connections

	Customer	Project Name	Description
	Municipality		
99	Eskom Eastern region	Franklin NB01 #1	Detailed Designs
100	Eskom Eastern region	Cederville NB04 #1	Detailed Designs
101	Eskom Southern Region	Schools and Clinics 2009/2010	Provision of CPE services 60 Schools
102	Eskom Southern Region	Schools and Clinics 2009/2010	Provision of CPE services 60 Schools
103	Eskom Eastern region	Perdekop	Design of electrification for 32 connections
104	Eskom Eastern region	Msinga #1	Design of electrification for 1404 connections
105	Eskom Eastern region	eMabhanoyini	Design of electrification for 600 connections
106	Eskom Eastern region	Khaleni & Zinini	Design of electrification for 271 connections
107	Eskom Eastern region	Gwala & Mt Zion	Design of electrification for 549 connections
108	Eskom Eastern region	Mkhandlwini (Bokplan)	Design of electrification for 152 connections
109	Eskom Eastern region	Dumsi & Longweni	Design of electrification for 1001 connections
110	Eskom Eastern region	Ndindindi #1	Project Management for the construction of 1105 connections
111	Eskom North West	Claystep 88kV Sub Refurbishment	Project Management
112	Eskom Eastern region	Greytown 88kV Line	Design and Project Management - Rebuild
113	Eskom Eastern region	Nagal Dam, New 132kV Substation	Design and Project Management for the 22kV Turn in Lines
114	Eskom Eastern region	Georgedale 88kV Sub-transmission Line	Design and Project Management – Rebuild / Upgrade
115	Department of Works KZN	Stanger Hospital	Electrical, Electronic, Mechanical Building Services
116	Centlec	Street Light Maintenance	Upgrade and Maintenance of Street Lights
117	Maluti-A-Phofung Municipality	Electrification Project	2000 Connections
118	Centlec	Solar Powered LED Street Light Installation	Design and Project Management of LED Solar Powered non-grid streetlight installation
119	Eskom Eastern region	Gowrie 132kV Sub-transmission Line	Design and Project Management – Rebuild / Upgrade