



A.S.A. ENTERPRISES (PTY) LTD

MECHANICAL ENGINEERING DIVISION



COMPANY PROFILE



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BOTSWANA**

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A 100% Citizen Owned Company in Botswana

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1.0 INTRODUCTION

A.S.A. Enterprises is a Mechanical, Civil and Electrical Engineering company that has been active in the industry since 1983, our registration in Grade E by the Botswana Public Procurement and Assets Disposal Board (PPADB) enables us to bid for works of unlimited value. We have handled several works of varying scope and magnitude; a comprehensive schedule of these projects is enclosed herein (Annexure 3.1 to 3.9). Our talented human resources coupled with our focus on various engineering fields means that A.S.A. Enterprises is a multi-disciplinary one-stop center that can be relied upon to handle most of your project requirements on time and within budget.

1.1 BACKGROUND

A.S.A. Enterprises (Pty) Ltd. (ASA) – was incorporated in Botswana in 1983, with the objective of Providing Latest Technology Products and Services in the fields of Mechanical, Civil, and Instrumentation & Electrical Engineering. The Company's aim has been to build a world-class corporation that is truly competitive in the Global Market place.

Although, during the initial few years, the business focus was mainly on Mechanical and Automobile Engineering, with enviable success, activities were diversified to other fields like Civil, Instrumentation and Electrical Engineering Services.

A.S.A. is driven by harnessing Advanced Technology, World-class technical and Business Professionals, quick and effective response to the needs and expectations of customers and continuous benchmarking for better performance.

A.S.A. Enterprises is certified as Grade "E" Contractor in all Electro-Mechanical Disciplines by Public Procurement Board and Asset Disposal Board (PPADB) - Botswana. This enables us to bid for tenders of unlimited value.

We offer turnkey solutions to various Private, Parastatal, Government as well as Industrial sectors, which drives the Nation's Growth. These Sectors include:

- Power Generation
- Mines & Minerals
- Water & Sanitation
- Educational,
- Health Sciences
- Food & Beverages, etc.

COMPANY OVERVIEW

Vision - Mission Statement

To be a globally admired enterprise in the Engineering Services Industry, with an expert workforce which passionately combines innovation and technology.

We believe in Integrity, Customer focus, Innovation and Teamwork.

A.S.A. – INFRASTRUCTURE:



A.S.A. has a wide coverage of Botswana through well-established and well-equipped Sales & Service Centers at strategic locations across the country with Plant and machinery to support Turn-key projects.

A.S.A. also has warehouses, transport & housing facilities across the country & also in the Republic of South Africa.

A.S.A. has Fully Equipped Manufacturing set up at Ramotswa for manufacturing of Solar Water Heating Systems and Ducting for HVAC Systems.

A.S.A.'s success is partly driven by its pursuit of the best Human Resources available. A.S.A. has a team of Qualified and Experienced Engineering Professionals for each discipline. This makes A.S.A. a Technically Strong and Competent organization in the Market place.

We invest in training and development programs for our employees for continuous upgrading of skills and knowledge to cope up with the latest technological trends. This helps us to provide prompt, efficient and Value-Added services to our esteemed customers.

We have employed more than 100 skilled and unskilled employees on various projects, thus contributing substantially to job creation in Botswana. Our current Organogram together with a schedule of our staffing levels is enclosed in Annexure 3.1 & 3.2 herein. We also have at our disposal additional manpower from overseas as and when it is required.

2.0 MECHANICAL ENGINEERING DIVISION

We are proud that A.S.A. Enterprises is considered to be one of the leading contracting companies in Botswana in the field of Mechanical Contracting.

The Mechanical Division has two primary focus areas – Water/Waste Water and Building Services.

In-house expertise in Design & Engineering of Mechanical systems is the strength of A.S.A. Enterprises. A.S.A. has a team of experienced and qualified Mechanical engineers for design and implementation of large scale Water and Waste Water Projects as well as Building Services projects.

The mechanical division has employed over 100 technically qualified personnel having rich experience in various disciplines such as Heating, Ventilation, Air conditioning, Refrigeration, Firefighting, Plumbing, Raw Water Pump Stations, Waste Water/Sewerage Pump Stations, Water Treatment Plants, etc.

The Mechanical Division has successfully completed various large value Mechanical contracting projects in Botswana over the years. A comprehensive project listing is included in Annexure 3.3, 3.4 & 3.5. We highlight a few of the prestigious completed projects below:-

2.0.1 Mechanical - Water

2.0.1.1 - Dikgathong Dam Pump Station–Dikgathong - (Largest Pump Station till date of completion in Botswana)



Project: Construction of Dikgathong Dam Pump Station

Location: Robelela Village, Botswana

Client: Department of Water Affairs

Consultant: BergstanGauff and Jeffares & Green Joint Venture.

Main Contractor: CSCE/Excavator Hire Joint Venture

Description: (Mechanical, Electrical, Control and Instrumentation Works)

This contract (P&DB Yellow Book) involved the design, supply, delivery, installation, putting into service and testing at site of Mechanical, Electrical & Automation services for pumps/motors three no's with Variable Speed drives to deliver a flow of 2126 l/s at 183m head within the pump station. The project also included the installation of Pipe works, Valves (PN 25), Control Valves, Surge vessels of 30 m³ x 4 no's, Electrical Transformers (LV & MV), Switchgear, Fibre Optic / Microwave link communication (primary & secondary), SCADA system, Instrumentation, Air conditioning, Ventilation, Extraction & Fire Fighting system (fire hose reel & sprinkler)

Status: Completed 2015

Project Value: BWP 132,125,531.92

2.0.1.2 - Mahalapye Village – Major Villages Water Supply Distribution Network Rehabilitation



Project: Major Villages Water Supply Distribution Network Rehabilitation

Location: Mahalapye Village, Botswana

Client: Water Utilities Corporation

Consultant: Bergstan

Main Contractor: Zhong Gan Engineering and Construction

Description: (Civil Works)

This contract involves the installation, testing and commissioning of the following

- a) Water pipelines of bulk supply & reticulation for 250 km (Upvc, class PN 9 & Ductile Iron) ranging in size from 63 mm diameter to 900 mm diameter
- b) Plot connections
- c) Supply & installation of Butterfly Isolation Valves (Ozkan Make), Gate Valves & Air release Valves.
- d) Relocation of services

Status: Completed 2017

Contract Value: BWP 73,092,458.22

2.0.1.3 Mmamashia-Kanye NSC Connection



Project: Construction of Mmamashia-Kanye NSC Connection

Location: Mmamashia - Kanye, Botswana

Client: Department of Water Affairs

Consultant: Engineers International

Main Contractor: BSZ Joint Venture

Description: (Mechanical, Electrical, Control and Instrumentation Works)

This contract involves Mechanical & Automation supply, installation, testing & commissioning works for the following pump stations which has total quantity of 19 no's of various capacity of pumps–

- a) Mmamashia pump station
- b) Mononyane pump station
- c) Thamaga pump station
- d) Polokwe pump station
- e) Sejelo pump station

The project also included the installation of Pipeworks, Valves (PN 25), Control Valves, Switchgear, Fibre Optic / Microwave link communication, SCADA system, Instrumentation, Air conditioning, Ventilation, Extraction & Fire Fighting system.

The project is currently in the last stage of completion & is already of beneficial use by the client & end-user.

The brief works description is as follows –

- i) Potable water is being received from Mmamashia Treatment Plant to the new Mmamashia pump station where it is being transferred to Mononyane reservoir through booster pumps 3 + 1 installed at Mmamashia PS associated with MCC panel and Telemetry & SCADA works.
- ii) Water is then further transferred to Thamaga reservoir from Mononyane reservoir through pumps (2 + 1) installed at Mononayane PS.
- iii) Potable water received from Mononyane is further transferred to Thamaga village ground reservoir & elevated tank and Polokwe Reservoir through pumps installed at Thamaga PS. Thamaga to

- Polokwe reservoir has 3 + 1 pumps & Thamaga to Thamaga hills has 1 +1 pumps combination.
- iv) Water received at Polokwe reservoir is then transferred to Sejelo reservoir through pumps installed at Polokwe PS a combination of 2 + 1 pumps. Water is also further supplied to Moshupa village through gravity feed & storage at Moshupa village reservoir & elevated tank.
 - v) Once the water has been received at Sejelo reservoir, it is then further transferred to Kwagkwe reservoir through transfer pumps combination of 2 + 1 pumps installed at Sejelo PS. Then water is supplied to Kanye & surrounding villages through Kwagkwe reservoir through gravity feed.

The whole transfer scheme of potable water is being transferred to various reservoirs & connecting villages is done through the networks of dedicated Telemetry & SCADA automation installed at various location & pump stations. Microwave radio communication networks installed at various location & pump station also assist in monitoring the water levels in the reservoir & elevated tanks installed. All installed pumps at various pump station supply power through Machine Control Centre soft starter & protected by Machine Protection Equipment installed by ASA.

Currently all the pumps are being operated by ASA employed pump operator transferring & supplying potable water to various reservoirs & villages as per the instruction received from DWA & Water Utilities Corporation.

Status: Ongoing

Contract Value: BWP 57,293,415.50

2.0.1.4 Serowe Emergency Water Supply Project



Project: Serowe Emergency Water Supply Project

Location: Serowe, Botswana

Client: Department of Water Affairs

Consultant: Geoflux

Description: (Civil, Mechanical, Electrical, Control and Instrumentation Works)

Scope of work covered construction of 30,000 meters of 315mm diameter UPVC pumping Mains, Construction of 3,500meters of 300mm diameter galvanised steel pumping mains, construction of 1,600meters of gravity Mains, construction of 5 million litres capacity ground level reinforced concrete reservoir, design, installation, testing and commissioning of 7 existing and 9 new borehole pumping station, design and construction of 2 x nos booster pumping stations and the design, installation, testing and commissioning or telemetry and SCADA system.

Status: Completed 2006

Project Value: BWP 26,500,000.00

2.0.1.5 Upgrade of Booster Pumps at Zwartkopjes Pump Station



Project: Upgrade of Booster Pumps at Zwartkopjes Pump Station

Location: Vereeniging, Gauteng Province, South Africa

Client: Randwater

Description: (Mechanical and Electrical Works)

This contract is for the design, supply, delivery, installation, putting into service and testing at site of five 100 MI/d fixed speed electric-motor driven pump sets, 11 Kv switchgear, cabling and Instrumentation.

This is one of the largest municipal booster pumping stations in the world. There are five pumps and each pump consists of three stages. The combine power requirement for each pump being 5.64 MW with a combined head of 350 m, is achieved with three single stage split casing pumps in series. The pumps were supplied by KBL India, the 11 KV motors were procured from Siemens,

Also the modification of 1800mm and 2500mm ia Penstock gate valves and refurbishment and upgrade of 1400mm, 1600mm, 2500mm Butterfly valves and supply, installation and commissioning of 900mm metal sealing butterfly valves.

Status: Completed in 2010

Project Value: BWP 61,127,811.00

2.0.2 Mechanical - Building

2.0.2.1 Sbrana Psychiatric Hospital



Project:	Sbrana Psychiatric Hospital
Location:	Lobatse, Botswana
Main Contractor:	China Civil Engineering Construction (Botswana)
Project Manager:	Pinagare Architects
Consultant :	G4 Consulting Engineers
Client:	Ministry of Infrastructure, Science and Technology

Description:

The Hospital is a state of the art project where nothing was spared in an effort to provide the best care for Psychiatric patients. It comprises the following buildings Acute, Observation, Psycho-Geriatric, Psycho-Social, Children's, Forensic, Rehabilitation, Outpatient, and Occupational Therapy Wards, Administration, Day Hospital, Pharmacy, Laboratories, Library, Café, Kitchen, Laundry, Incinerator, Boiler House, Supplies and Transport Buildings. There are 22 plant rooms in this project housing equipment such as 3No. Air Cooled Liquid Chillers, 6No. Thermal Storage Units, 1No. Diesel Fired Boiler, 2No. Coal Fired Boilers, several non-storage and storage Calorifiers, Fire Pumps, Sprinkler Pumps, Chiller Pumps, Air Handling Units, Air Compressors, Cold and Freezer Rooms, Laundry Equipment The 3 Air Cooled Liquid Chillers run during the nights making ice in the Thermal Storage Units using Ethylene Glycol as heat transfer liquid.

Status: Complete 2009

Project Value: BWP 62 464 803.00

2.0.2.2 Mahalapye District Hospital



Project: Mahalapye District Hospital

Location: Mahalapye, Botswana

Client: Department of Building and Engineering Services

Consultant: A.R. Edwards & Associates

Main Contractor: Complant Botswana (Pty) Ltd, Gaborone, Botswana

Description:

Scope of work covered HVAC, Medical, Kitchen, Canteen, Laundry, Laboratory Equipment, BMS and Fire Protection System. Mechanical services, 3 x 1100kW Air-cooled Packaged Chillers, Hot water Boiler, Air Handling Units, ducted and piped, Split DX-Air Conditioning, Autoclaves, Dental Chair, Autopsy Table, Incinerator, Mortuary, Medical gas, Pharmacy cold rooms, freezer rooms, equipment disinfection, laboratory equipment, fume cabinets. Commissioning and Training of the end User.

Status: Completed 2008

Project Value: BWP 50,946,120.00

2.0.2.3 Botswana University of Science and Technology (BIUST) – Palapye



Project: Botswana University Of Science & Technology
Location: Palapye, Botswana
Main Contractor: China Civil Engineering Construction (Botswana)
Project Manager: Tectura International Architects
Consultant : North Atlantic Engineering Consulting
Client: Botswana University Of Science & Technology

Description:

Scope of work covered HVAC, Kitchen Equipment, Laboratory Equipment, Solar Farm Equipment and LPG Services for BIUST by composed of several Buildings. HVAC equipment included several DX-split units, Hideaways, Cassettes, High walls Mini chillers, fresh air supply fans, extract air fans, water tank, circulating pumps, Other Mechanical installations like, Compressed Air and Vacuum, Cold & Freezer Rooms, LPG, Laboratory Fume cabinets, extract canopies, Kitchen Equipment, industrial solar panels, piping, primary and secondary hot water circulation pumps, Fire pumps and domestic solar water heaters, cleans room and growth rooms.

Status:Completed Dec 2012

Project Value: BWP 48,717,948.70

2.0.2.4 Sekgoma Memorial Hospital



Project: Sekgoma Memorial Hospital

Location: Serowe, Botswana

Client: Department of Building and Engineering Services

Consultant: Lasco Engineering

Main Contractor: Murray & Robert Botswana (Pty) Ltd, Gaborone, Botswana

Description:

Scope of work covered HVAC, Medical, Kitchen, Canteen, Laundry, Laboratory Equipment, BMS and Fire Protection System. Mechanical services, 3 x 1100kW Air-cooled Packaged Chillers, Hot water Boiler, Air Handling Units, ducted and piped, Split DX-Air Conditioning, Autoclaves, Dental Chair, Autopsy Table, Incinerator, Mortuary, Medical gas, Pharmacy cold rooms, freezer rooms, equipment disinfection, laboratory equipment, fume cabinets. Commissioning and Training of the end User.

Status: Completed 2007

Project Value: BWP 38,594,202.02

2.0.2.5 Institute of Health Sciences



Project: Institute of Health Sciences
Location: Molepolole, Botswana
Main Contractor: Caitec Botswana
Project Manager: Mosienyane and Partners International
Consultant : KVN Consulting Engineers
Client: Ministry Infrastructure, Science and Technology

Description:

This project comprises state of the art buildings being the Library with basement and 4 floors, 2 floors Administration with Conference Auditorium of 156 seating capacity, Auditorium with seating capacity of 600 (400 lower and 200 higher level), 2No. Academic Blocks, 2 floors each, with one block catering for Nursing Science and Public Health, the other Behavioural Science and Computer Centre, Multi-Purpose Hall with basketball court and a seating capacity of 435, 2 floors Student Union, Canteen, 4No. Hostels 3 floors each, 2 floors Maintenance Building with a ground plant room that houses most of the big equipment including 4 Chillers (2 supply chilled water and 2 supply heating water), Tanks for Fire and Domestic Water, Pump Sets for Sprinkler, Fire, and Chillers. The same plant room has Laundry, and Boiler House Buildings.

All the pipes for services from this plant room to buildings run inside an underground service tunnel and enter buildings through service ducts ensuring pipes are not visible. The chilled water system is 4 pipe supplying equipment such as Air Handling Units, Hideaway Units, and Ceiling Cassettes.

Status: Completed 2009

Project Value: BWP 30,774,834.00

2.0.2.6 Mogoditshane Senior Secondary School



Project: Mogoditshane Senior Secondary School

Location: Gaborone, Botswana

Client: Department of Building and Engineering Services

Consultant: G4 Consulting Engineers (Pty) Ltd.

Main Contractor: Complant Botswana, Gaborone, Botswana

Project Manager: FMA Architects (PTY) Ltd, Gaborone, Botswana

Description:

Scope of work covered HVAC, Kitchen Equipment, Laboratory Equipment, Solar Farm Equipment and LPG Services for Mogoditshane Senior Secondary School by composed of several Buildings. HVAC equipment included several DX-split units, Hideaways, Cassettes, High walls, fresh air supply fans, extract air fans, water tank, circulating pumps, Other Mechanical installations like, incinerator, Cold & Freezer Rooms, LPG, Laboratory Fume cabinets, extract canopies and dust extractors industrial solar panels, piping, primary and secondary hot water circulation pumps and domestic solar water heaters. Commissioning and Training of the end User.

Status: Completed 2011

Project Value: BWP 20,490,936.42

2.0.2.7 Gaborone Technical College



Project: Gaborone Technical College

Location: Gaborone, Botswana

Client: Department of Building and Engineering Services

Consultant: ZMCK Consulting (Pty) Ltd.

Main Contractor: Complant Botswana, Gaborone, Botswana

Project Manager: Conscom, Gaborone, Botswana

Description:

Scope of work covered HVAC, Kitchen Equipment, Laboratory Equipment and LPG Services for the extension on the Gaborone Technical College and Automotive Technical Trade College by 7 & 2 Buildings respectively. HVAC equipment included 1 x 443 kW Chiller, 1x7.5kW water circulation pump set, 23 Air Handling Units served by the chilled water by the Chiller for cooling and heating by means of built in electric heater elements, 60 Hydronic Cassettes and the related chilled water piping to AHUs & HC, Packaged Units, DX-Split Units High Wall & Cassettes, Extract fans, Extract Canopies, Hot water supply from Storage Calorifiers, Cold & Freezer Rooms, Other Mechanical installations like LPG and Laboratory Fume cabinets. Commissioning and Training of the end User.

Status: Completed 2010

Project Value: BWP 20,296,240.00

2.0.2.8 Integrated Office Block



Project: Integrated Office Block

Location: Francistown, Botswana

Client: Department of Building and Engineering Services

Consultant: North Atlantic Engineering Consultants.

Main Contractor: Murray & Robert Botswana (Pty) Ltd, Gaborone, Botswana

Project Managers: Peridot Architects, Francistown, Botswana

Description:

Scope of work covered HVAC, Fire Protection System and BMS. HVAC equipment included 3 x 750 kW Air-Cooled Chillers, Air Handling Units piped & ducted, around 475 Hydraulic cassettes and 20 split & console units of various capacities with heat pump. Commissioning and Training of the end User.

Status: Completed 2002

Project Value: BWP 16,526,320.00

2.0.2.9 New Ghanzi District Hospital



Project: New Ghanzi District Hospital

Location: Ghanzi, Botswana

Client: Department of Building and Engineering Services

Consultant: Geoflux Electrical and Mechanical Engineering Consultants

Main Contractor: Caitec Botswana, Gaborone, Botswana

Description:

Scope of work covered HVAC, Medical, Laboratory Equipment and Fire Protection System. Mechanical services Air Conditioning, Autoclaves, Dental Chair, Autopsy Table, Incinerator, Mortuary, Medical gas, Pharmacy cold rooms, freezer rooms, equipment disinfection, laboratory equipment, fume cabinets. Commissioning and Training of the end User.

Status: Completed 2005

Project Value: BWP 15,875,390.00

2.0.2.10 Francistown Airport



Project: Francistown Airport
Location: Francistown, Botswana
Main Contractor: ZhongGan Engineering &Construction (Botswana)
Project Manager: RITES Africa
Consultant : RITES Africa
Client: Civil Aviation Authority of Botswana

Description:

Scope of work covered HVAC, Solar Equipment and Fire Fighting Equipment for F/Town Airport by composed of several Buildings. HVAC equipment included several Air Cooled Chillers units and AHU, Circulation Pumps Primary and Secondary, VRV Units Outdoor and indoor Units, DX-split - units Cassettes, Fans fresh air supply fans basement extraction, rooms/toilet extraction, Lift shaft pressurization, Booster and Pumps for Elevated tank.

Status:Completed 2011 **Project Value:** BWP 11,014,651.00

2.0.2.11 Botswana College of Agriculture



Project: Botswana College of Agriculture

Location: Gaborone, Botswana

Client: Botswana College of Agriculture

Consultant: EMC Consulting (Pty) Ltd.

Main Contractor: Sunshine Construction Corporation (PTY) LTD, Gaborone, Botswana

Project Manager: AMA Projects Botswana, Gaborone, Botswana

Description:

Scope of work covered HVAC, Kitchen Equipment and Fire Fighting Services for the extension on the Botswana College of Agriculture by 12 Buildings, HVAC equipment included 4 x 33.7 kW VRV outdoor units, 43 VRV Cassettes, Copper piping for VRV from Outdoor Units to Indoor Units 7 Packaged Units of 120Kw - 20kW, DX-Split Units High Wall & Cassettes, Fresh air Fans, Extract air Fans, Cold & Freezer Rooms, Other Mechanical installations like Compressed Air Equipment & piping, LPG and Fire Hose reels & portable fire extinguishers. Commissioning and Training of the end User.

Status: Completed 2010

Project Value: BWP 8,029,908.00

2.0.2.12 The Construction of Kang Anti-Poaching Unit at Kang



Project: The Construction of Kang Anti-Poaching Unit

Location: Kang, Botswana

Client: Department of Building Engineering Services

Consultant: Geoflux Electrical and Mechanical Engineering Consultants

Main Contractor: Trust Construction & Engineering (PTY) LTD, Gaborone, Botswana

Project Manager: Planarch Architect, Gaborone, Botswana

Description:

Scope of work covered HVAC, Kitchen Equipment, Macerator, Evaporative Cooler, Cold & Freezer Room, Compressed Air System, LPG Gas, Circulating Pumps, Storage Water Heater, Macerator, Evaporative Cooler & Fire Fighting Services. DX-Split Units High Wall & Cassettes, Fresh air Fans, Extract air Fans, Cold & Freezer Rooms, Other Mechanical installations like Washing Machine, Kitchen Extract Canopies, Fire Hose reels & portable fire extinguishers. The end User also witnessed Commissioning and Training.

Status: Completed 2020

Project Value: BWP 12,768,297.71

2.0.2.13 The Operating Theatre at Rakops Primary Hospital



Project: Operating Theater at Rakops Primary Hospital

Location: Rakops, Botswana

Client: Department of Building Engineering Services

Consultant: G4 Consulting Engineers (Pty) Ltd.

Main Contractor: Unik Construction (Pty) Ltd, Gaborone, Botswana

Project Manager: Pramod Patel Architect, Gaborone, Botswana

Description:

Scope of work covered HVAC (Chiller & AHU), DX Split Air Conditioner Units, Ventilation Fans, Specialised Medical Gases, Autoclave, Booster Pump & Water Softening Plant, Compressed Air System, LPG Gas, Circulating Pumps, Storage Water Heater & Fire Fighting Services.

Status: Completed 2020

Project Value: BWP 4,382,174.48

2.0.2.14 Tsabong Unified Secondary School at Tsabong



Project: D&B Contract for Construction of Tsabong Unified Secondary School

Location: Tsabong, Botswana

Client: Department of Building Engineering Services

Consultant: QED Consulting Engineers (Pty) Ltd.

Main Contractor: Zhon Gan Engineering & Construction

Project Manager: Department of Technical Services

Description:

Scope of work covered HVAC, Kitchen Equipment, Laboratory Equipment, Solar Farm Equipment and LPG Services for Tsabong Unified Secondary School by composed of several Buildings. HVAC equipment included several DX-split units, Hideaways, Cassettes, High walls, fresh air supply fans, extract air fans, water tank, circulating pumps, Other Mechanical installations like, incinerator, Cold & Freezer Rooms, LPG, Laboratory Fume cabinets, extract canopies and dust extractors industrial solar panels, piping, primary and secondary hot water circulation pumps and domestic solar water heaters. Commissioning and Training of the end User.

Status: Completed 2020

Project Value: BWP 27,685,550.09

2.1 **BOILER, STEAM & HOT WATER SERVICES DIVISION**

ASA ENTERPRISES – BOILER, Steam & Hot Water Services division has completed various projects for Government of Botswana which includes Ghanzi Primary Hospital, Nyangagbwe Primary Hospital in Francistown and Sbrana Psychiatric Hospital in Lobatse.

This Division is focusing in the following area:

1. To provide Hot Water for the Domestic uses of the building e.g. hot water to bathroom and kitchen areas, etc.
2. To provide Steam for Industrial Kitchens / Industrial Laundry, Medical facilities, Calorifiers and other Industrial equipment.

ASA has in-house Design & Engineering capabilities to execute the various projects to the satisfaction of our esteemed customers.

In the high-capacity packaged Boiler systems, John Thompson – RSA is our supplier for coal and diesel-fired boilers for the various projects in Botswana.

In the low-capacity services like calorifiers, PRV stations and Boiler accessories, we have an extensive supply chain including SpiraxSarco, Wilo, WET, Heat Transfer Engineering, Iver and other suppliers from Sharjah & Dubai.



2.2 MAINTENANCE SERVICES DIVISION

Maintenance always has been the backbone of success of A.S.A. Enterprises.

A.S.A. Enterprises has a team of Qualified and Experienced engineers to provide prompt and efficient Pre-Sales and After Sales Services. We have a fully equipped testing / service center at our headquarters in Gaborone. Our Maintenance team is equipped with all kinds of tools and tackles required for effective maintenance support. The Maintenance team comprises of five qualified engineers in various disciplines such as Mechanical, Electrical, Electronics& Instrumentation Engineering.

Our thrust is continuous upgrading of skills and knowledge using appropriate training and manpower development programs.


A.S.A. Enterprises provide maintenance services for various types of HVAC Systems, including chiller plant, AHU's, FCU's, etc. A.S.A. Enterprises has a specially trained team of engineers to provide maintenance back up for highly sophisticated equipment like Autoclaves and other medical equipment.

A.S.A. Enterprises also undertake Annual maintenance contracts for HVAC systems and Boilers. The maintenance activities on the boiler includes repairs / maintenance of boilers tubes, fans, damper actuators, screw feeders, steam valves, boiler feed pumps, piping, hotwell, bucket elevators, etc.

A.S.A. Enterprises has a fully equipped training facility to provide training services to our esteemed customers.

A.S.A. has been working on maintenance contracts with Government of Botswana for maintenance of various Government buildings across the country. The partial list of Government buildings maintained by A.S.A. is as below:

- ❖ Integrated Office Block – Maintenance of Mechanical Service Installation.
- ❖ PTC Otse – Maintenance of Mechanical Service Installation.
- ❖ PTC Mahalapye – Maintenance of Mechanical Service Installation.
- ❖ Nyangagbwe Hospital – Maintenance of Boiler.
- ❖ Princess Marine Hospital – Maintenance of Boiler.
- ❖ US Embassy – Installation of Chillers.
- ❖ Princess Marina Hospital – Installation of Incinerator.
- ❖ Maintenance of Air conditioning plants for Govt. buildings.

Telephone: 01166415 31484 33707 Fax: 0116683 Reference:	 Republic of Botswana	Ministry of Water, Transport and Communications Department of Electrical, and Mechanical Services Private Bag 006 Gaborone																														
OEMS/M/12																																
ASA Enterprises Pty Ltd P. O. Box 1937 GABORONE																																
Dear Sir,																																
CONTRACT NO. TB 9/4/231/2001 - 2002 MAINTENANCE OF AIR CONDITIONING PLANTS AND FIRE SERVICES IN GOVERNMENT BUILDINGS																																
Authority having been given by Public Procurement and Asset Disposal Board vide TB 9/4/231/2001 - 2002 dated 20 th February, 2003 for Maintenance of air conditioning plants and fire services in Government buildings all in accordance with the tender the tender documents.																																
The contract period is twelve (12) months and listed below are the name of the buildings and the contract amount for each building:																																
<table border="0"> <tr> <td>1. Water Affairs</td> <td>-</td> <td>P61 019.00</td> </tr> <tr> <td>2. BADC</td> <td>-</td> <td>P19 067.00</td> </tr> <tr> <td>3. Gaborone Technical College</td> <td>-</td> <td>P22 349.00</td> </tr> <tr> <td>4. Hantsam Police</td> <td>-</td> <td>P17 265.00</td> </tr> <tr> <td>5. Supplies Ware House</td> <td>-</td> <td>P19 239.00</td> </tr> <tr> <td>6. Kanye Education Centre</td> <td>-</td> <td>P31 729.00</td> </tr> <tr> <td>7. Selare Primary Hospital</td> <td>-</td> <td>P52 671.00</td> </tr> <tr> <td>8. Broadhurst Police</td> <td>-</td> <td>P22 542.00</td> </tr> <tr> <td>9. Office of the President</td> <td>-</td> <td>P19 924.00</td> </tr> <tr> <td>TOTAL</td> <td>-</td> <td>P265 795.00</td> </tr> </table>			1. Water Affairs	-	P61 019.00	2. BADC	-	P19 067.00	3. Gaborone Technical College	-	P22 349.00	4. Hantsam Police	-	P17 265.00	5. Supplies Ware House	-	P19 239.00	6. Kanye Education Centre	-	P31 729.00	7. Selare Primary Hospital	-	P52 671.00	8. Broadhurst Police	-	P22 542.00	9. Office of the President	-	P19 924.00	TOTAL	-	P265 795.00
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9. Office of the President	-	P19 924.00																														
TOTAL	-	P265 795.00																														

2.3 PROUD ASSOCIATIONS WITH GLOBAL MANUFACTURERS

The healthy business relations with world leading companies also contributed a lot to the success of A.S.A. Enterprises. We are proud to be associated with various companies for projects in Botswana.

We would like to thank all our business partners for their support in the completion of various projects in Botswana.

- A) **Heating, Ventilation and Air-Conditioning System** – We are working with CARRIER and TRANE. We have supplied, Installed and commissioned Carrier / Trane HVAC systems for various projects for Government of Botswana.



We are proud to work with Carrier / Trane for business in Botswana.

- B) **Industrial Laundry Equipment** – We are working with Electrolux for Industrial Laundry machines. We have supplied, Installed, tested and commissioned Electrolux laundry machines for various hospital projects in Botswana.



- C) **Industrial Kitchen Equipment** – We are working with Vulcan for Industrial Kitchen machines. We have supplied, Installed, tested and commissioned Vulcan kitchen machines for various hospital projects in Botswana.

- D) **Other Industrial Products & Services** – SpiraxSarco, Incedon, WET, KLM have also supported us for steam engineering related goods, pipes, fittings and other mechanical products.



3.0 ANNEXURES

3.1 ORGANOGRAM

3.2 LIST OF PROJECTS IN PROGRESS

3.3 LIST OF COMPLETED PROJECTS (MECHANICAL)

3.4 LIST OF COMPLETED PROJECTS (SOLAR)

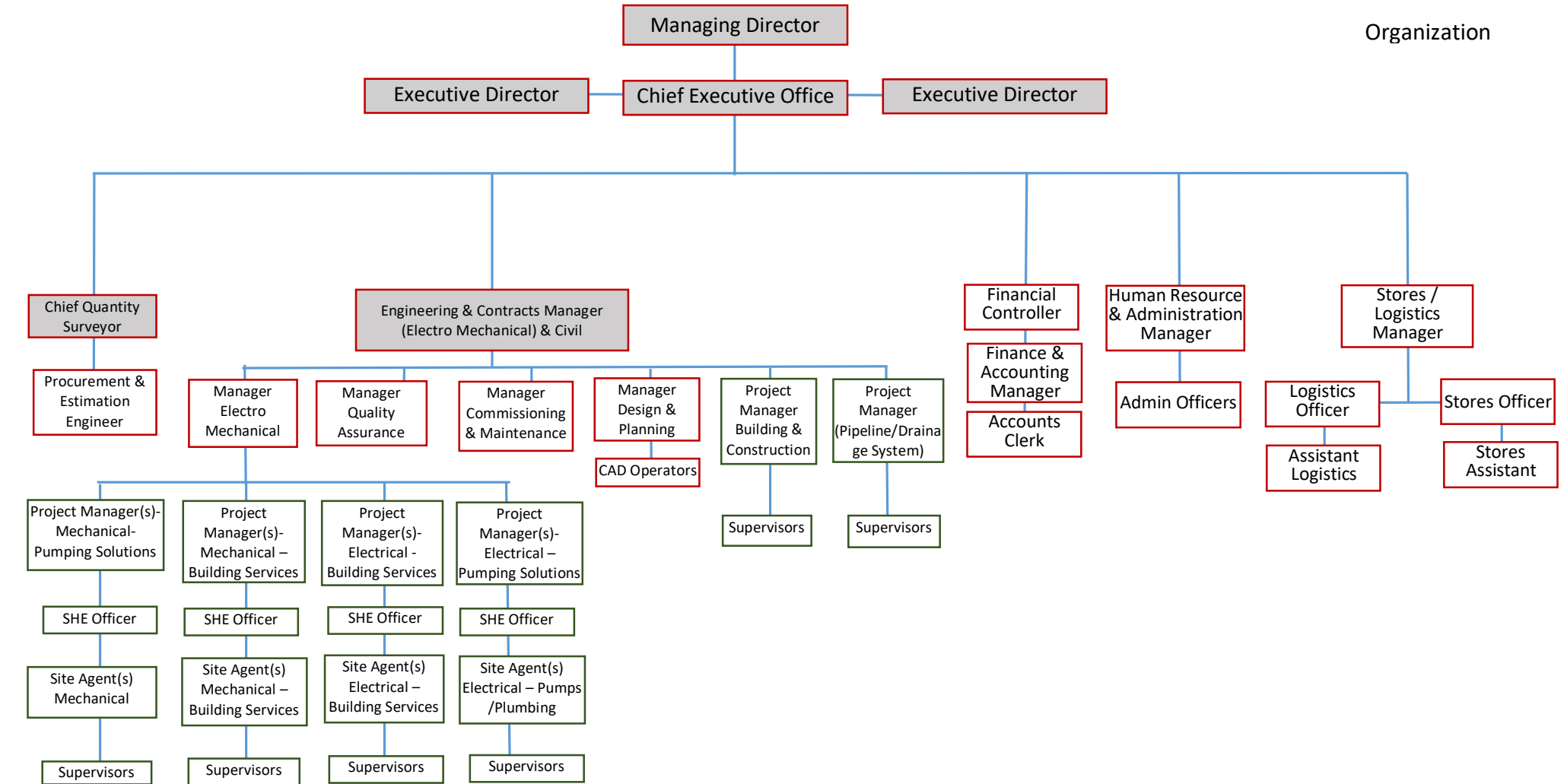


3.1 ORGANOGRAM

A.S.A. Enterprises (Pty) Ltd
 P.O. Box 1937, Gaborone
 Plot 14390, Gaborone West - Botswana

ORGANOGRAM

Organization



Off Site – Head Office

On Site – Site Office

3.2 LIST OF PROJECTS IN PROGRESS

Item	PROJECT NAME	CLIENT	Type	Project Value(BWP)
1.	Mmamashia- Kanye North South Carrier Connection Pipeline	Water Utilities Corporation (WUC)	Construction of Booster Pump Station & Pump House	57,293,415.50
2.	Upgrading of Centralized Air Conditioning Plant at Bank of Botswana – Francistown Branch.	Bank of Botswana	HVAC & Mechanical Services (Completed. DLP Ongoing)	6,499,659.75
3.	Kang Anti-Poaching Unit	Department of Building & Engineering Services (DBES)	HVAC & Mechanical Services (Completed. DLP Ongoing)	12,768,297.71
4.	Operation Theatre at Rakops Primary Hospital-	Ministry of Health	Mechanical Services (Completed. DLP Ongoing)	4,382,174.48

4.3 LIST OF COMPLETED PROJECTS (MECHANICAL)

Name of Employer	Name of the Project	Location	Type	Consultant	Main Contractor	Contract Price in BWP	Year of Completion
Water Utilities Corporation	Major Village Water Supply Distribution Network Rehabilitation	Mahalapye	Mechanical Services	Bergstan Africa	Landmark/ZhonGan JV	73,092,458.22	2017
Ministry of Infrastructure & Housing Development (DBES)	Unified Sec School Tsabong CJSS	Tsabong	Mechanical Services	QED	ZhonGan	27,685.550.00	2017
Ministry of Infrastructure & Housing Development (DBES)	Letsholathebe II Memorial Hospital	Maun	Mechanical Services	Not Applicable	A.S.A. Enterprises	7,777,615.68	2016
MMWER, Department of Water Affairs	Construction Of Dikgatlong Dam Pump Station (Robelela Village, Botswana)	Robelela Village	Electro-Mechanical Works & Telemetry	BergstanGauff and Jeffares & Green Joint Venture.	China State/Excavator Hire JV	132,125,531.92	2015
BIUST	Design & Build – New Founding Campus for BIUST at Palapye	Palapye	Mechanical Services	Tectura International & North Atlantic	China Civil	38,594,202.02	2012
Rand Water	Upgrade Of Booster Pumps at Zwartkopjies Pump Station (Vereeniging, Gauteng Province)	South Africa	Electro-Mechanical & Telemetry	Not Applicable	A.S.A. Enterprises	61,127,811.00	2011
Min.of Works(DBES)	Mogoditshane Senior Sec School	Gaborone	Mechanical Services	G4.Consultant	Complant Botswana	20 490 936.00	2011
Min.of Works(DBES)	Revenue Office & Staff Houses For Accountant General	Maun	HVAC & Mechanical Services	Not Applicable	A.S.A. Enterprises	11,801,955.00	2011
Department of Civil Aviation Authority of Botswana	Francistown International Airport	Francistown	HVAC & Mechanical Services	Not Applicable	A.S.A. Enterprises	11,014,651.00	2011
Min.of Works(DBES)	IHS Francistown	Francistown	Maintenance	ZMCK	A.S.A Enterprises	9 249 744.00	2010
Min.of Works(DBES)	Sbrana Psychiatric Hospital	Lobatse	Mechanical Services	G4.Consultant	China Civil	62 464 803.00	2010
Min.of Works(DBES)	IHS Moleps	Moleps	Mechanical Services	KVN	Caitec Botswana	30 774 834.00	2010
Min. of Works(DBES)	GTC/ATTC	Gaborone	Mechanical Services	ZMCK	Complant Botswana	13 496 840.00	2010
Min. of Works(DBES)	IHS Serowe	Serowe	Mechanical Services	Systems & Services	Complant Botswana	16 962 033.00	2009
Min. of Works(DBES)	Lobatse Magistrate Court	Lobatse	Mechanical Services	Not Applicable	A.S.A. Enterprises	6,891,000.00	2009
BUAN	Botswana College of Agriculture	Gaborone	Mechanical Services	Not Applicable	A.S.A. Enterprises	8,029,908.00	2009

Min. of Works(DBES)	Augmentation Of Gaborone Technical College	Gaborone	Mechanical Services	Not Applicable	A.S.A. Enterprises	13,496,840.00	2009
Min.of Works(DBES)	Goodhope Senior Sec School	Goodhope	Mechanical Services	North Atlantic	China Jiangxi	18 810 279.00	2008
Min.of Works(DBES)	Police Housing at Machaneng	Machaneng	Solar Water Heating	EMC Construction		59,797.00	2007
Min.of Works(DBES)	Mahalapye District Hospital	Mahalapye	Mechanical & Medical Services Inst	AR Edwards	Complant BW	50,946,120.00	2007
Min.of Works(DBES)	Sekgoma Memorial Hospital	Serowe	HVAC/Mechanical & Medical Services	Lasco Engineers	Murray & Roberts	4,442,742.00	2007
Min.of Works(DBES)	Dibete Police Station	Dibete	HVAC/Mechanical & Medical Services	Lasco Engineers		273,319.00	2007
Min.of Works(DBES)	Mahalapye District Hospital	Mahalapye	Fire Protection Services	AR Edwards	Complant BW	242,628.00	2007
Min.of Works(DBES)	Maun District Hospital	Maun	Fire Protection Services	NAEC	Stocks & Stocks	225,338.00	2007
Min.of Works(DBES)	Gaborone Prisons	Gaborone	HVAC/Mechanical & Medical Services	Arup Botswana	Tuwana Constr.	112,346.00	2007
Min.of Works(DBES)	Palapye Primary Hospital	Palapye	Refurbishment of A/C Plant & Associated Electrical ,Mechanical,Building & Civil Services	ZMCK	A.S.A. Enterprises	784,49200	2006
Min.of Works(DBES)	Kasane Primary Hospital	Kasane	Refurbishment of A/C Plant & Associated Electrical, Mechanical,Building & Civil Services	ZMCK	A.S.A. Enterprises	720,301.00	2006
Min.of Works(DBES)	Rakops Primary Hospital	Rakops	Refurbishment of A/C Plant & Associated Electrical, Mechanical,Building & Civil Services	ZMCK	A.S.A. Enterprises	719,298.00	2006
Min.of Works(DBES)	Jubille Hospital	Francistown	Refurbishment of A/C Plant & Associated Electrical, Mechanical,Building & Civil Services	ZMCK	A.S.A. Enterprises	641,301.00	2006
Min.of Works(DBES)	Lobatse Senior Sec.School	Lobatse	Mechanical Services	EMC		418,610.00	2006
Botswana Housing Corp.	Botswana Housing Corp.	Gaborone	Fire Protection Services	BHC		61,663.00	2005
Botswana Power Corp.	Botswana Power Corp.	Francistown	Mechanical Services	BPC		34,286.00	2005
Min.of Works (DBES)	Ghanzi Hospital	Ghanzi	Mechanical Services	Geoflux	Caitec	1,587,539.00	2005
Min.of Works DBES	Dept.of Taxes & Attorney General	Gaborone	Mechanical Services	North Atlantic		703,267.00	2004
Min.of Works DBES	Moshopa Senior Sec.School	Moshopa	Mechanical Services	EMC		306,582.00	2004
Min.of Works DBES	Tshesebe Police Station	Tshesebe	Mechanical Services	AR Edwards		301,965.00	2004

Min.of Works DBES	Int.Law Enforcement Academy	Otse	Mechanical Services	North Atlantic	Stocks & Stocks	781,955.00	2003
Min.of Works DBES	MatshaNon Formal Education Centre	Kang	Mechanical Services	Arup Botswana	Tuwana Constr.	40,405.00	2003
Min.of Works DBES	Standard Council Chambers	Kanye	Mechanical Services	Arup Botswana		95,789.00	2002
Min.of Works DBES	Department of Water Affairs	Serowe	Mechanical Services	Arup Botswana	Murray & Roberts	45,377.00	2002
Min.of Works DBES	Integrated Office Block	Francistown	Mechanical Services	North Atlantic		1,652,632.00	2002
Min.of Works DBES	Mahalapye Prisons College	Mahalapye	Mechanical Services	North Atlantic	G4 Construction	788,821.00	2001
Min.of Works DBES	Matsha Secondary School	Kang	Mechanical Services	ZMCK		572,662.00	2001
Min.of Works DBES	Swaneng Senior Secondary School	Serowe	Mechanical Services	EMC		546,252.00	2001
Min.of Works DBES	Police Station Extentions	Lobatse	Mechanical Services	KVNA	China Civil Constr.	375,675.00	2001
Min.of Works DBES	BIAC	Gaborone	Air Conditioning	DBES		33,233.00	2001
Min.of Works DBES	Selibe Phikwe Senior Sec.School	SelebiPhikwe	Mechanical Services	Lasco Engineers		285,714.00	2001
University of Botswana	Okavango ReseachCenter	Maun	Mechanical Services	ZMCK		270,677.00	2001
Min.of Works DBES	Police Training College	Otse	Mechanical Services	North Atlantic	Stocks & Stocks	2,097,823.00	2001
Min.of Works DBES	Mater Spei College	Francistown	Mechanical Services	Arup Botswana		105,263.00	2001
Min.of Works DBES	Extn.ToGovt.Printers	Gaborone	Air Conditioning	ZMCK		100,799.00	2001
Min.of Works DBES	Tonota College	Tonota	Air Conditioning	AR Edwards		203,414.00	2000
Min.of Works (DBES)	Tlokweng Boarder Post	Tlokweng	Air Conditioning	ZMCK		165,113.00	2000
Min.of Works DBES	Lerala Brigades	Lerala	Mechanical Services	ZMCK		134,973.00	2000
Min.of Works DBES	Integrated Sports Complex	Masunga	Mechanical Services	ZMCK	Murray & Roberts	134,362.00	2000

4.4 LIST OF COMPLETED PROJECTS (SOLAR)

Name of Employer	Project Name	Type	Location	Value in BWP	Was Contract satisfactorily completed including time provision
Min.of Works- DBES	BDF Pandamatenga	Solar Water Heating Installations	Pandamatenga	1,131,579.00	YES
Min.of Works- DBES	Lotsane Senior Secondary School Palapye	Solar Water Heating Installations	Palapye	677,860.00	YES
Min.of Works- DBES	BDF Glen Valley Phase IVB	Solar Water Heating Installations	Gaborone	1,134,720.00	YES
Min.of Works- DBES	Francistown Secondary School	Solar Water Heating Installations	Francistown	457,400.00	YES
Min.of Works- DBES	Kagiso Secondary School	Solar Water Heating Installations	Ramotswa	673,800.00	YES
Min.of Works- DBES	Matsha Community College	Solar Water Heating Installations	Kang	336,000.00	YES
Min.of Works- DBES	Kanye Police Station	Solar Water Heating Installations	Kanye	426,660.00	YES
Min.of Works- DBES	Matsha Non Formal Education Centre	Solar Water Heating Installations	Kang	268,420.00	YES
Min.of Works- DBES	Sekgoma Memorial Hospital & Housing	Solar Water Heating Installations	Serowe	959,090.00	YES
Min.of Works- DBES	Palapye Technical College	Solar Water Heating Installations	Palapye	412,700.00	YES
Min.of Works- DBES	Letlhakeng Police Station & Housing	Solar Water Heating Installations	Letlhakeng	441,130.00	YES
Jwaneng Town Council	Jwaneng Town Council	Solar Water Heating Installations	Jwaneng	160,900.00	YES

5.0 REFERENCE LETTERS

5.1 REFERENCE LETTER – COMPLANT BOTSWANA.

5.2 REFERENCE LETTER – MURRAY & ROBERTS.

5.3 REFERENCE LETTER – CAITEC BOTSWANA.

5.4 REFERENCE LETTER – CHINA CIVIL ENGINEERING.

5.5 REFERENCE LETTER – MIN. OF WORKS & TRANSPORT (DBES).

5.6 REFERENCE LETTER – DEPARTMENT OF STATE, UNITED STATES OF AMERICA.

5.7 REFERENCE LETTER – DEPARTMENT OF WATER AFFAIRS.

5.8 REFERENCE LETTER – GEOFLUX (PTY) LTD.

5.9 REFERENCE LETTER – G4 CONSULTING ENGINEERS.

5.10 REFERENCE LETTER – NORTH ATLANTIC ENGINEERING CONSULTANTS.

5.11 REFERENCE LETTER - ZHONG GAN ENGINEERING & CONSTRUCTION

COMPLANT BOTSWANA (PTY) LTD.

HEAD OFFICE
PRIVATE BAG 00359, GABORONE, BOTSWANA

PLOT No. 1385, MOGODITSHANE
TEL: (267) 3902918, FAX: (267) 3903517
E-mail: complantbots@info.bw

7 February 2008

ASA/Voltas JV
P. O. Box 1937
GABORONE

Attn: Mr. A. Aluja

Dear Sir,

RE: MAHALAPYE DISTRICT HOSPITAL

Subject: Mechanical Sub-Contract: Works Completion

This letter serves to confirm that ASA/Voltas JV has successfully completed the supply, installation, testing and commissioning of the HVAC Mechanical, Medical Equipment, Kitchen and Laundry Equipment and Fire Fighting System for the New Mahalapye District Hospital Project in Botswana and has handed over the above Works to the satisfaction of the Client.

The overall project value is approximately P 231 million, with the final ASA/Voltas JV Sub-Contract value approximately P 37 million.

Our sincere thanks to ASA/Voltas JV for their co-operation on this project and would like to specifically thank the following ASA/Voltas JV Site Staff:

- Mr. R. Debnath (Planning and Design Manager)
- Mr. J.L. Deshpande (Project Manager)
- Mr. Y. Ansari (Project Engineer: Electrical)
- Mr. E. Mucheru (Project Engineer)
- Mr. S. More (Site Supervisor)
- Mr. S. Pande (Site Supervisor)

Best wishes to you all for the future.

Yours faithfully



Andre Venter
Project Manager
For Complant Botswana (Pty) Ltd

**Murray
& Roberts**

Plot 1214 Industrial Site
P O Box 657
Gaborone
Botswana
Tel: +267 3951 871
Fax: +267 3951 877
E-mail: info@murrob.bw
Web: www.murrob.com

4th August 2007

MJH/4.2.4/97

ASA/Voltas
Box 1937
Gaborone
By fax 3924149

Attention: Mr. A. Abuja

New Sekgoma Memorial Hospital – Serowe – ASA/Voltas Reference

This letter confirms that ASA/Voltas joint venture completed successfully the supply, installation, commissioning and handover of the HVAC Mechanical, Medical Equipment, Kitchen and Laundry Equipment on the New Sekgoma Memorial Hospital in Serowe, Botswana

The total project value was approximately P270 million and the final ASA/Voltas Nominated Subcontract value was approximately P30 million.

The ASA/Voltas installations were handed over to the satisfaction of the client within the contract period.

We would like to express our thanks to ASA/Voltas and especially the following ASA/Voltas site staff who we found to be diligent, cooperative and who it was pleasure to work with:

Mr. Jayand Deshpande	Project Manager
Mr. Manoj Patel	Site Supervisor
Mr. Suresh More	Site Supervisor
Mr. Sunil Pande	Site Supervisor

We wish ASA/Voltas and your site staff all the best for the future.

Yours faithfully



Mick Hudson
Cell 71318268

Murray & Roberts (Botswana) Limited Registration No. 478
Directors: P.F. Mathe* K.G. Fiedinger* K.E. Smith** B.S. Webber* J.H. Wood**
*South African **British ***Yak



B O T S W A N A

Tel: 391 8146 Fax: 316 3231
P. O. Box 402674, Gaborone
Email: caitec@botsnet.bw

12th May, 2011

To Whom It May Concern:

This letter serves to confirm that **A.S.A Enterprises** was employed as a Domestic Subcontractor for **Mechanical Installations** at our **Molepolole Institute of Health Sciences** project which was completed in April 2011. The final value of their work was **BWP 30,765,957.75**

Their work was successfully completed within the original budget. To anyone requiring their services, we assure our best recommendations.

Yours faithfully

A handwritten signature in black ink, appearing to read "Wei Chen", is written over a horizontal line. The signature is stylized and includes a large, circular flourish on the right side.

Wei Chen
General Manager
For Caitec Botswana



China Civil Engineering Construction (Botswana) (Pty) Ltd.

Plot 153 Gaborone International Commerce Park
Private Bag T08 Tlokweng
Gaborone, Botswana

Tel : (+267) 3925352 Fax : (+267) 3925586
E-mail : ccecc-botswana@ccecc.com.cn

Date: May 2011-5-11

Re: To Whom It May Concern

Dear Sir or Madam:

This letter to serves to confirm that ASA (Pty) Ltd was employed as a nominated subcontractor under ourselves during the construction of the Lobatse Mental Hospital Project at Lobatse in Botswana from 2004 to 2009.

They were responsible for Mechanical Services, Boiler Installations and Fire Protection Services works from the onset to completion of the project. The overall tendered subcontract amount was about P54 million and the works were completed as required under the contract.

Yours faithfully

Mr. Jiang Song
For: CCECC (Pty) Ltd.

COMPLANT BOTSWANA (PTY) LTD.

HEAD OFFICE
PRIVATE BAG 00359, GABORONE, BOTSWANA

PLOT No. 1385, MOGODITSHANE
TEL: (267) 3902918, FAX: (267) 3903517
E-mail: complantbots@info.bw

11th May 2011

The Managing Director
A.S.A. Enterprises (Pty) Ltd
P.O.Box 1937,
GABORONE

Attn: Mr. Aluja

Dear Sir,

**RE: PROPOSED SENIOR SECONDARY SCHOOL AT MOGODITSHANE
CONTRACT NO: 9/3/3/08(XVIII)**

Subject: Mechanical Sub-Contract: Works Completion

This letter serves to confirm that ASA Enterprises (Pty) Ltd has successfully completed the supply, installation, testing and commissioning of the Mechanical Works for the Mogoditshane Senior Secondary School Project in Gaborone, Botswana and has handed over the above Works to the satisfaction of the Client.

The overall project value is approximately P389 million with the Mechanical Works Value approximately P20,5 million.

Our sincere thanks to ASA Enterprises (Pty) Ltd for their cooperation on this project.

Yours Faithfully



Andre Venter
Contracts Manager
For Complant Botswana (Pty) Ltd

A SUBSIDIARY OF CHINA NATIONAL OVERSEAS ENGINEERING CORPORATION

Tel: (267) 365 4216

Fax: (267) 316 7508



Ministry of Works and Transport
Department of Building and
Engineering Services
Private Bag 9025,
GABORONE,
Botswana

Our Ref: DBES/6/52/GEN/ CPC4 / 0308

March 6th 2008

TO WHOM IT MAY CONCERN

Re: M/s A.S.A. ENTERPRISES (Pty) Ltd

This is to confirm that M/s A.S.A. ENTERPRISES (Pty) Ltd is a Grade 'E' (unlimited category) Contractor, registered and approved by the Public Procurement and Asset Disposal Board (PPADB) of Botswana, being licensed under the relevant laws of Botswana, entitling it to bid for Government procurement and asset disposal.

In the past they have successfully completed prestigious projects such as the Botswana Police Training College Otse, Integrated Office Block (Francistown), International Law Enforcement Academy in Otse, Prisons Training College in Mahalapye, Department of Taxes in Gaborone, Ghanzi Primary Hospital etc. under the supervision of the Department of Building and Engineering Services (DBES). The Mechanical Engineering component of these projects varied between 4 and 15 million Pula.

Our records reveal that at present they have completed the following major projects with value of related mechanical works indicated:

1. New Sekgoma Memorial Hospital, Serowe – Approximately P 29.5 million.
2. New District Hospital Mahalapye – Approximately P 35 million.
3. New Lobatse Mental Hospital Approximately P 55 million.

The firm has always exhibited professionalism and attention to details of specifications for each project, and works well as part of a team with other disciplines to complete works within budget and time. From this Department's perspective their overall performance is exemplary.

Yours faithfully,

Chief Project Coordinator

DEPARTMENT OF BUILDING AND ENGINEERING SERVICES

Public Procurement and Asset Disposal Board
Ministry of Works and Transport
Private Bag 9025, Gaborone, Botswana



January 5, 2006

ASA Enterprises (PTY) Ltd
14390 Gaborone (West)
Box 1937

To Whom It May Concern

ASA Enterprises did a major chiller renovation and has been a reliable contractor on all of our Air Condition needs. Before the chiller renovation project, ASA enterprises supported post by maintaining the old system in operational conditions.

This system had many problems and difficult situations were the norm with the old chillers. ASA enterprises and their dedication experience and fast response were invaluable to maintain the system working until the new machines came on board.

ASA is highly recommended on chiller and AC works in this region.

Sincerely,

A handwritten signature in black ink, appearing to read "Sergio J. Tristan".

Sergio J. Tristan
Facility Manager.
American Embassy
Gaborone, Botswana.

Phone: Office (267) 395-3982 Ext 5465 • Fax: Fax (267) 71-473-227

Telegrams: Water
Telephone: (267) 3607100
Telefax: (267) 303508
375795



Department of Water Affairs,
Private Bag 0029,
Gaborone.

Republic of Botswana

12th December 2005

TO WHOM IT MAY CONCERN

I have pleasure to certify that A. S. A. Enterprises (Pty) Ltd. P.O. Box 1937, Plot 14390, Gaborone Industrial West, Botswana, is a company of repute for the construction of major water supply projects. The company is rated as grade "E" (Unlimited Value of Work) company by Public Procurement and Asset Disposal Board of Government of Botswana.

The company has completed various projects successfully. The company is capable of Building Large Size Concrete Reservoirs, Large Diameter Pipeline and Large Capacity Booster Pump Stations (Steel, UPVC, Ductile iron).

A. S. A Enterprises has been serving the needs of people of Botswana for the past 19 years and have handled and successfully completed several Multi-Million Pula projects during these period.

In the recent past they have successfully completed Serowe Emergency Water Supply Project valued at approx 26.5 Million Pula. I had the privilege of being the project manager for this project on behalf of Government of Botswana.

In addition A. S. A. have completed several other projects. Some of the projects successfully completed are mentioned below.

Gakuto – Metsimothabe – Matseta Multi Discipline Water Supply Project.
Odi – Modipane - Multi Discipline Water Supply Project.
Gerald Estate Pipeline Project.

Concluding, I can confidently recommend A. S. A Enterprises (Pty) Ltd. for any Major Projects in the field stated above.

A handwritten signature in black ink, appearing to read 'Joseph M. Nyandiko'.

Joseph M. Nyandiko
Senior Water Engineer



MECHANICAL & ELECTRICAL

20748 Mabeleapudi Road
Block 3, Broadhurst Industrial
Private Bag BR 297
GABORONE, BOTSWANA

Tel: +267 397 2510
Fax: +267 397 2504
e-mail: info@g4.co.bw

22nd May 2012

TO WHOM IT MAY CONCERN:

Dear Sir/Madam

This letter serves to confirm that ASA Enterprises have just successfully completed the installation of Mechanical Services worth more than **Twenty Million Pula** at **Mogoditshane Senior Secondary School** where we were the Mechanical Engineers.

ASA Enterprises carried out their duties professionally and attended to mechanical queries on time and according to the quality standards set. The mechanical works were of acceptable standards.

I therefore would not hesitate to recommend ASA Enterprises for any project.

We trust you find the above in order.

Yours faithfully

A handwritten signature in black ink, appearing to read "Buca Motlhwa".

Buca Motlhwa
G4 Consulting Engineers
P. Bag BR 297
Gaborone
Tel +2673972510
Fax +2673972504

BOTSILE GUBAGO M.Eng C.Eng M.I.Mech.E.
JOSIUA MABELEBELE B.Sc. (Hons) (Mech. Eng)

Gen/ASA/05/as
23rd May 2012



To Whom it May Concern

Dear Sir/Madam

We confirm that ASA Enterprises has successfully completed the solar installation of the Good Hope Senior Secondary School at Good hope, designed and supervised by our offices.

We found ASA Enterprises is quite competent, with quality workmanship and enough resources to handle projects of the above nature.

We have no hesitation in recommending their services for undertaking a wide range of mechanical services installations.

Yours faithfully,

C M Anwarsha
for/North Atlantic Engineering Consultants.



Cliff House • Old Lobatse Road • PO Box 40277 • Gaborone • Botswana
Tel. +267 3912822 • Fax: +267 3912816 • Email: info@norhtatlantic.bw

26 May 2020

TO WHOM IT MAY CONCERN



RE: **ASA ENTERPRISES (PTY) LTD.**

Without Prejudice.

We have administered the above mechanical services contractor on various projects over a period of more than 20 years in Botswana. The types of projects have varied in size and value. The BIUST Founding campus was a Design & Build venture, whereby we provided the design and ASA Enterprises the installation team.

The project included HVAC (DX split, roof top packaged & evaporative coolers), solar water heating domestic & industrial, fire hydrant & hoses reel and central kitchen equipment installations.

If you require any further information please contact us.

Yours faithfully



Paul G. Norton
Director of Building Mechanical Services
For **NORTH ATLANTIC ENGINEERING CONSULTANTS**



Cliff House • Old Lobatse Road • PO Box 40277 • Gaborone • Botswana
Tel: +267 3912822 • Fax: +267 3912816 • Email: info@northatlantic.bw

TO WHOM IT MAY CONCERN

Dear Sir/Madam;

This letter serves to confirm that A.S.A Enterprises (Pty) Ltd as a sub-contractor has successfully completed New Police Station and Staff Housing and Renovation of the Existing Police Station and Housing at Palapye contract no PR 9/3/3/09(IX).

The sub – contract works they achieved were valued at P7 million.

A.S.A Enterprises (Pty) Ltd satisfactorily completed the works and promptly attended to any faults during Defects Liability Period.

We therefore have no reservations in strongly recommending A.S.A Enterprises (Pty) Ltd for any future jobs.

Yours Faithfully



Mr. Li Qing
Managing Director

For and on behalf of Zhong Gan Engineering & Construction (Pty) Ltd



TO WHOM IT MAY CONCERN

Dear Sir/Madam;

This letter serves to confirm that A.S.A Enterprises (Pty) Ltd as 30% citizen nominated sub-contractor has successfully completed Major Villages Water Supply Distribution Network Rehabilitation Tender no: WUC 025/1 (2014) project.

The sub – contract works they achieved were valued at P22 million.

A.S.A Enterprises (Pty) Ltd satisfactorily completed the works and promptly attended to any faults during Defects Liability Period.

We therefore have no reservations in strongly recommending A.S.A Enterprises (Pty) Ltd for any future jobs.

Yours Faithfully



Mr. Li Qing
Managing Director

For and on behalf of Zhong Gan Engineering & Construction (Pty) Ltd



Zhong Gan

Engineering & Construction (Pty) Ltd

P.O.Box :40020 GABORONE
E-Mail: bots@cjc.cn

Tel: 267-3167325
Fax: 267-3167461

Date: 09 January 2020

Re: To Whom It May Concern

Dear Sir/Madam:

This letter serves to confirm and certify that **A.S.A. ENTERPRISES (PTY) LTD**, AT PLOT 14390, GABORONE WEST, P.O. BOX 1937, GABORONE was employed as a **MECHANICAL SUB-CONTRACTOR IN THE DESIGN AND BUILD CONTRACT FOR THE CONSTRUCTION OF UNIFIED SECONDARY SCHOOL AT TSABONG (TENDER NO. PR 6/1/3/13(VI))** during the **Period from 2016 to 2018.**

As part of the Mechanical Installations, the Scope of Works included Sectional Galvanized Panel Tanks of 100 Cubic Meters with Associated Booster and Fire Pump.

The Value of the Sub-Contract Works: **P 23,512,078.49 (Twenty Three Million, Five Hundred Twelve Thousand and Seventy-Eight Pula and Forty-Nine Thebe), VAT inclusive.**

Yours Faithfully



Mr. Li Qing
Managing Director
Zhong Gan



Registered Contractor List

Company Name	Locality	First Name	Last Name	Phone	E-mail	
A.S.A ENTERPRISES (PTY) LTD	Gaborone	Ajit	Ahuja	3919195	info@asagroup83.com	
		Discipline	Approved Code	Approved Subcode	Approved Grade	Exp.Date
		Works	01-Building Construction Works and Maintenance	01-Building Construction	D	29/10/2021
		Works	01-Building Construction Works and Maintenance	02-Structural steel work	C	29/10/2021
		Works	01-Building Construction Works and Maintenance	03-Pre - Fabricated Buildings	C	29/10/2021
		Works	02-Electrical Engineering Works	01-Electrical Installations	E	29/10/2021
		Works	02-Electrical Engineering Works	02-High voltage reticulation	E	29/10/2021
		Works	02-Electrical Engineering Works	06-Fire Detection Systems	E	29/10/2021
		Works	02-Electrical Engineering Works	04-Automated Machinery and control systems	E	29/10/2021
		Works	02-Electrical Engineering Works	07-Security Systems Installations (CCTV, Access Control, Alarms etc.)	E	29/10/2021
		Works	02-Electrical Engineering Works	05-Photovoltaic systems	E	29/10/2021
		Works	02-Electrical Engineering Works	03-Airfield lightning	E	29/10/2021
		Works	03-Civil Engineering Works	06-Water Supplies, Sanitation Reticulation and Irrigation Works	E	29/10/2021
		Works	08-Mechanical Engineering Works	01-Air conditioning/Refrigeration systems	E	29/10/2021
		Works	08-Mechanical Engineering Works	06-Liquid Petroleum Gas Installations and	E	29/10/2021

Public Procurement And Asset Disposal Board

		Equipment		
Works	08-Mechanical Engineering Works	07-Low Pressure Water Systems	E	29/10/2021
Works	08-Mechanical Engineering Works	08-Steam and Boiler Systems	E	29/10/2021
Works	08-Mechanical Engineering Works	09-Laundry and Kitchen equipment installation and services	E	29/10/2021
Works	08-Mechanical Engineering Works	05-Compressed air equipment installation	E	29/10/2021
Works	08-Mechanical Engineering Works	10-General Fabrication and Machine Shop Services	E	29/10/2021
Works	08-Mechanical Engineering Works	11-Pumps and munchers	E	29/10/2021
Works	10-Water Engineering Works	01-Storage Tanks	E	29/10/2021
Services	120-ICT Technical Support Services	01-Systems Development Services and maintenance	NA	29/10/2021
Services	120-ICT Technical Support Services	02-Server Management and maintenance Services.	NA	29/10/2021
Services	120-ICT Technical Support Services	03-Data center maintenance & hosting facilities.	NA	29/10/2021
Services	120-ICT Technical Support Services	04-Desktop Management and maintenance Services.	NA	29/10/2021
Services	120-ICT Technical Support Services	05-Network Management and maintenance Services	NA	29/10/2021
Services	120-ICT Technical Support Services	06-ICT Security Management and maintenance Services	NA	29/10/2021
Services	120-ICT Technical Support Services	08-ICT Risk Management Services	NA	29/10/2021
Services	120-ICT Technical Support Services	09-Imaging, data capture and migration services	NA	29/10/2021

Public Procurement And Asset Disposal Board

Services	129-Passenger Transport Services	02-Land	NA	29/10/2021
Services	130-Freight Transportation Services	02-Land	NA	29/10/2021
Services	131-Rental Services	01-Accommodation (Office/residential/industrial/commercial)	NA	29/10/2021
Services	131-Rental Services	04-Aircraft	NA	29/10/2021
Supplies	200-Agriculture Products and Related Equipment	01-Stock Feeds and Supplements	NA	29/10/2021
Supplies	200-Agriculture Products and Related Equipment	04-Seeds, Seedlings and Plants	NA	29/10/2021
Supplies	200-Agriculture Products and Related Equipment	05-Agricultural Equipment, Instruments, Spares and Accessories (including tractors)	NA	29/10/2021
Supplies	200-Agriculture Products and Related Equipment	06-Animal Products and By-products (other than food)	NA	29/10/2021
Supplies	200-Agriculture Products and Related Equipment	07-Agro-chemical products	NA	29/10/2021
Supplies	203- Electrical, Electronic, Mechanical, Fire and ICT Supplies	01-Electrical and Electronic Equipment, Spares and Accessories (includes ICT, photographic equipment and others)	NA	29/10/2021
Supplies	203- Electrical, Electronic, Mechanical, Fire and ICT Supplies	02-Broadcast Transmission Equipment	NA	29/10/2021
Supplies	203- Electrical, Electronic, Mechanical, Fire and ICT Supplies	03-Mechanical Equipment, Machines, Spares and Accessories	NA	29/10/2021
Supplies	207-Food Products and Beverages	01-General Food Supplies	NA	29/10/2021
Supplies	207-Food Products and	02-Fresh Produce	NA	29/10/2021

Public Procurement And Asset Disposal Board

	Beverages			
Supplies	207-Food Products and Beverages	03-Dietary Supplements	NA	29/10/2021
Supplies	208-Transport Equipment & Accessories	02-General spares and Accessories (including tyres)	NA	29/10/2021
Supplies	208-Transport Equipment & Accessories	04-Bicycles, spares and accessories	NA	29/10/2021
Supplies	208-Transport Equipment & Accessories	05-Aircraft, Spares and Accessories	NA	29/10/2021
Supplies	208-Transport Equipment & Accessories	08-Boats	NA	29/10/2021
Supplies	211-General Supplies	01-Chemicals	NA	29/10/2021
Supplies	211-General Supplies	02-Stationery	NA	29/10/2021
Supplies	211-General Supplies	03-Art & Crafts	NA	29/10/2021
Supplies	211-General Supplies	04-Clothing, apparels& fabrics	NA	29/10/2021
Supplies	211-General Supplies	06-Plastic products	NA	29/10/2021
Supplies	211-General Supplies	07-Sports and Recreation Equipment, Spares and Accessories	NA	29/10/2021
Supplies	211-General Supplies	08-Forestry products and equipment	NA	29/10/2021
Supplies	211-General Supplies	09-Laboratory equipment, spares and accessories e.g. test tubes, benson burners etc	NA	29/10/2021
Supplies	211-General Supplies	10-Musical Instruments, audio visual equipment and accessories	NA	29/10/2021
Supplies	211-General Supplies	11-Toiletry and hygiene products	NA	29/10/2021
Supplies	211-General Supplies	14-Camping Equipment and accessories	NA	29/10/2021

Public Procurement And Asset Disposal Board

Supplies	212-Manufacturers/Producers of Agricultural Products and Related Products	01-Stock Feeds and Supplements	NA	29/10/2021
Supplies	214-Petroleum Products	01-Fuel	NA	29/10/2021
Supplies	214-Petroleum Products	02-Oil and Lubricants	NA	29/10/2021
Supplies	214-Petroleum Products	03-Coal	NA	29/10/2021
Supplies	216-Gases	01-Domestic	NA	29/10/2021
Services	319-ICT Consultancy	01-ICT System Development	NA	29/10/2021
Services	319-ICT Consultancy	02-Network and Facilities Management (ICT)	NA	29/10/2021
Services	319-ICT Consultancy	03-ICT Security Management	NA	29/10/2021
Services	319-ICT Consultancy	04-ICT Risk Management	NA	29/10/2021
Services	319-ICT Consultancy	05-Telecommunications	NA	29/10/2021
Services	319-ICT Consultancy	06-Broadcasting	NA	29/10/2021
Services	144-Training Services	01-Human Resources	NA	29/10/2021
Services	145-Safety Health and Environment Services	01-Occupational Health and Safety	NA	29/10/2021
Works	08-Mechanical Engineering Works	02-Solar water heating	E	29/10/2021
Works	08-Mechanical Engineering Works	04-Fire Suppression Systems	E	29/10/2021
Works	05 -Water and Sewage Treatment Plant Works	01-Water and Sewage Treatment Plants	E	29/10/2021
Works	02-Electrical Engineering Works	08-Radio/Telemetry	E	29/10/2021
Works	04-Works Maintenance	01-Electrical	A	29/10/2021
Works	13-Fencing-Buildings, Roads and Others (100% Citizen)	02-Electrical fencing	B	29/10/2021



Companies Act CAP:42:01

**CERTIFICATE OF
INCORPORATION**

UIN BW00000134200

I HEREBY CERTIFY THAT A.S.A. Enterprises Proprietary Limited

is this day incorporated under the Companies Act,
and the liability of the members is limited

GIVEN under my hand this **14th of October, 1983**

and was re-registered under section 4 of the Companies Reregistration Act on **19th of
June, 2019.**



REGISTRAR OF COMPANIES AND BUSINESS NAMES

Company Extract

General Details

UIN	BW00000134200
Company Name	A.S.A. Enterprises Proprietary Limited
Company Type	Private Company
Exempt	Yes
Company Status	Registered
Incorporation Date	14 October 1983
Re-Registration Date	19 June 2019
Have own constitution?	No
Annual Return Filing Month	October

Addresses

Registered Office Address	Plot 2028, Ledumadumane, Mogoditshane, Botswana
Postal Address	P O Box 4862, Gaborone, Botswana
Principal Place of Business	Plot 14390, Gaborone West, Gaborone, Botswana

Company Extract

Directors

Ajit Singh Ahuja

Residential Address Plot 53717, Phakalane, Gaborone, Botswana
Postal Address P O Box 1937, Gaborone, Gaborone, Botswana
Appointment Date 14 October 1983

Jyoti Ajit Ahuja

Residential Address Plot 53717, Phakalane, Gaborone, Botswana
Postal Address P O Box 1937, Gaborone, Gaborone, Botswana
Appointment Date 20 April 1995

Gabaake Gabaake Gokatweng

Residential Address Plot 53717, Phakalane, Gaborone, Botswana
Postal Address P O Box 1937, Gaborone, Gaborone, Botswana
Appointment Date 19 October 2010

Secretaries

Pro Base Proprietary Limited

Company Name Pro Base Proprietary Limited
Registered Office Address Botswana
Appointment Date 21 June 2017

Shareholders

Jyoti Ajit Ahuja

Residential Address Plot 53717, Phakalane, Gaborone, Botswana
Postal Address P O Box 1937, Gaborone, Gaborone, Botswana
Appointment Date 20 April 1995

Company Extract

Share Allocations

The total number of shares for this company	2467718
Number of Shares	2467718
Shareholder Name	Jyoti Ajit Ahuja