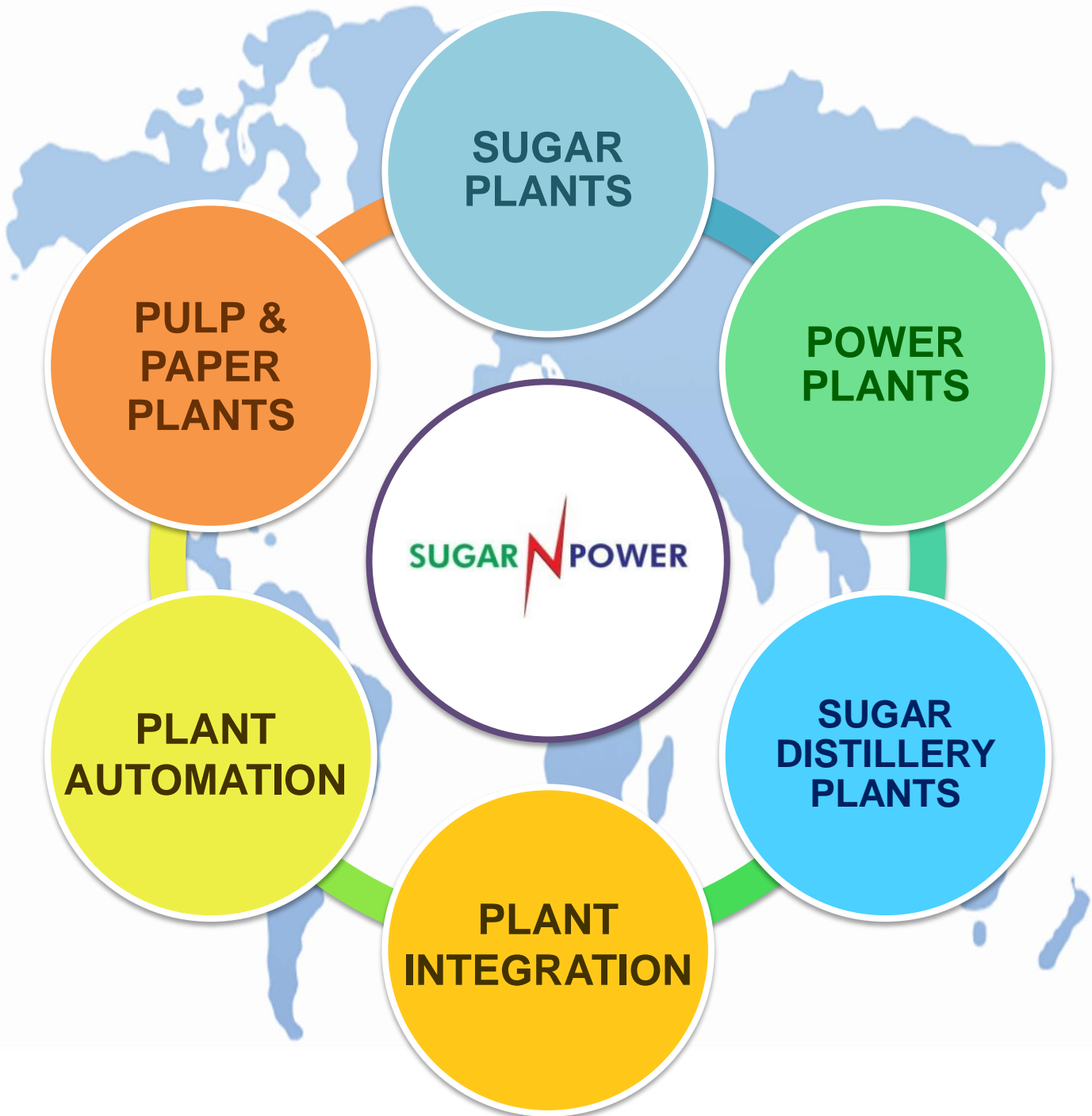


SUGAR POWER

Projects Private Limited



The Ultimate choice of customers globally



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Projects Private Limited



ABOUT US

- Sugarnpower Projects Pvt. Ltd. is one of the fastest growing EPC companies.
- Offering engineering solutions to customers across 14 countries for the past 14 years in key sectors – Sugar, Power, Distillery, Pulp & Paper, Plant automation and technology up-gradations.
- Integrated capabilities span the entire spectrum of “design to deliver”, with a decade of a customer focused approach and a continuous quest for the world-class quality.
- Sugarnpower Projects has proven their strengths in concept building & innovative solutions for plant automation & controls.



SUGAR POWER

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SUGAR PLANTS / SUGAR REFINERY



- Green Field Projects
- Expansion Projects
- Rehabilitation & Modernization

For

- Raw Sugar
 - White Sugar
 - Refined Sugar –
 - Backend Refinery
 - Stand-alone Refinery
- Based on
- Phosphotation Process
 - Carbonation Process
- Jaggery

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SUGAR DISTILLERY

- Sugarcane Juice Based
- Molasses Based
- For
- Ethanol
- Industrial Alcohol
- Portable Alcohol





PULP & PAPER PLANTS



- Waste Paper Pulping System
- Agro Based Pulp Mill
- Chemical Recovery System
- Kraft / Writing / Printing Paper Plant
- Corrugation Plant & Box Making Machinery





POWER PLANTS



- ❖ Co-generation Power Projects
- ❖ Multi-fuel Boilers
- ❖ Bio-Mass Boilers
- ❖ Power Stations
- ❖ Rehabilitation & Refurbishing Projects
- ❖ Balance Of Plant:
 - Steam Piping
 - PRDS Stations
 - Water Treatment Plant
 - Cooling Towers





STRENGTHS

PLANT AUTOMATION & CONTROL

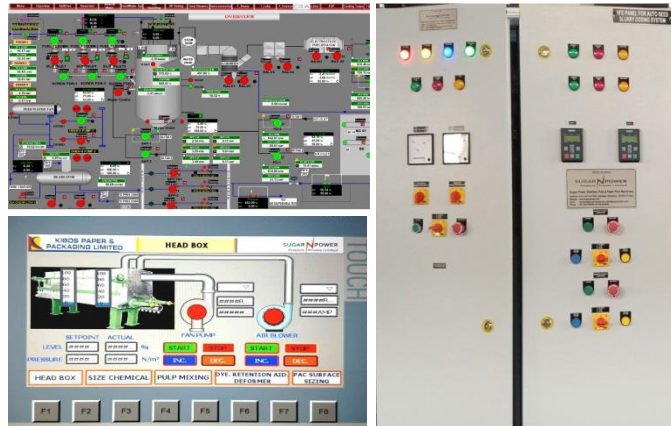
- ❖ Pulp & paper plant automation
- ❖ Sugarcane mill automation
- ❖ Sugar process house automation
- ❖ Power plant automation
- ❖ Any process automation

ELECTRICAL

- ❖ Power distribution
- ❖ Synchronization of Turbine, DG & Grid
- ❖ HT distribution & Switchyards
- ❖ LT distribution
- ❖ Drives system

AUXILIARIES / BALANCE OF PLANT

- ❖ Steam distribution
- ❖ Water distribution
- ❖ Condensate distribution
- ❖ Air distribution
- ❖ Environmental solutions:-
 - ✓ Effluent treatment plant
 - ✓ Water treatment plant
 - ✓ Air pollution control
- ❖ Material handling
- ❖ Chemical handling
- ❖ Laboratory Setups
- ❖ Fire fighting system
- ❖ Civil & Structural





PLANT AUTOMATION & CONTROL

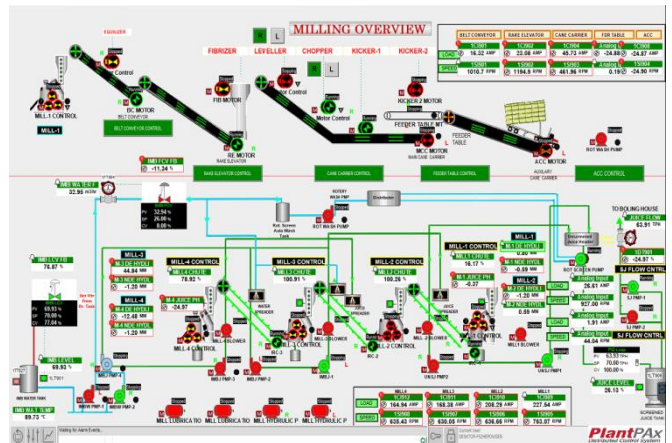
PULP & PAPER PLANT AUTOMATION

- ❖ Paper machine drive
- ❖ Pulp mixing & ratio control
- ❖ Head box automation
- ❖ GSM scanner
- ❖ Consistency control
- ❖ Pulper automation
- ❖ Stock preparation
- ❖ Chemical preparation & dosing system
- ❖ Steam & condensate system
- ❖ Water distribution & recycling system



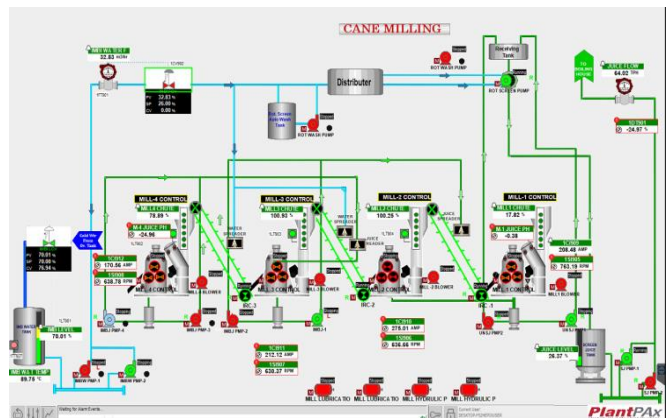
SUGARCANE MILL AUTOMATION

- ❖ Auto cane feed control system
- ❖ Preparatory devices & mill control system
- ❖ Donnelly chute level control system
- ❖ Cane blanket level sensor & roller lift control system
- ❖ Lubrication oil pressure alarm
- ❖ Imbibition water flow control system
- ❖ Measuring bearing temperature
- ❖ Juice flow stabilization system



CLIENTELE

- Horyal Investment Holding Company Limited, Uganda
- Kibos Paper & Packaging Limited, Kenya
- Kibos Distillers Limited, Kenya
- United Sugar Company, Saudi Arabia





PLANT AUTOMATION & CONTROL

SUGAR PROCESS HOUSE AUTOMATION

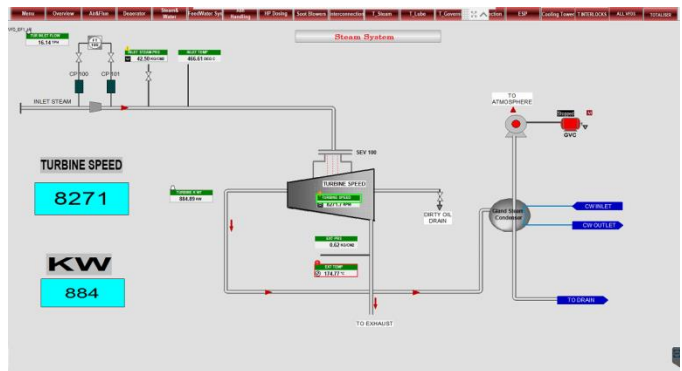
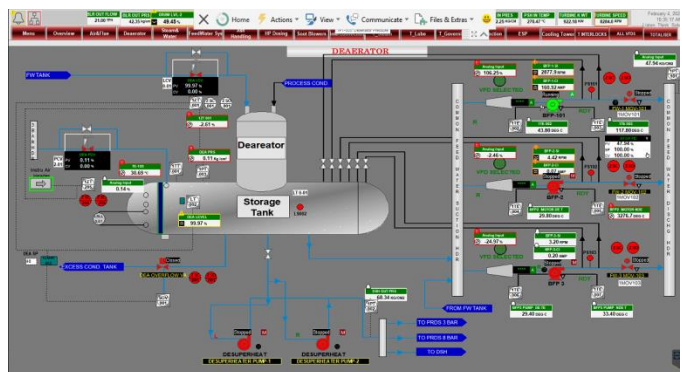
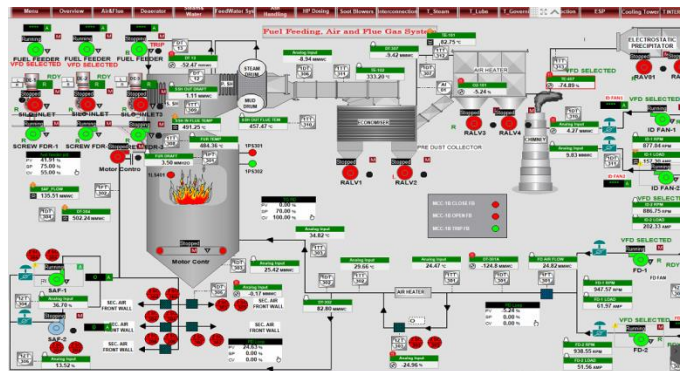
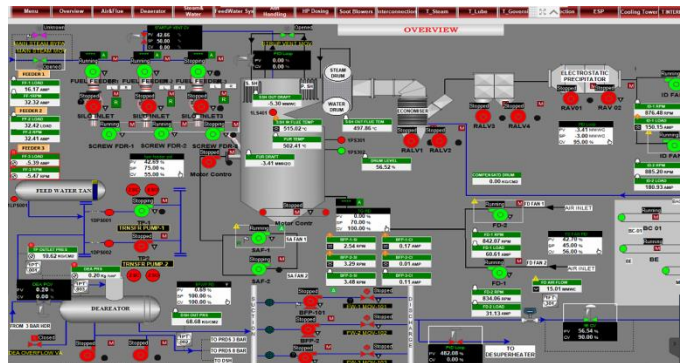
- ❖ Juice weightment system
- ❖ Juice heater control system
- ❖ pH & lime dosing control system
- ❖ Evaporator level & brix control system
- ❖ Batch & continuous pan automation
- ❖ Centrifugal machine automation
- ❖ Steam stabilization system
- ❖ Sugar melter
- ❖ Molasses conditioner automation
- ❖ Condenser automation

POWER PLANT AUTOMATION

- ❖ Fuel handling & feeding system automation
- ❖ Boiler combustion automation
- ❖ Feed water control system
- ❖ Steam drum level control system
- ❖ Boiler PRDS control system
- ❖ Ash handling automation
- ❖ Boiler deaerator pressure & level control system
- ❖ Turbine vibration monitoring
- ❖ Lube oil control system
- ❖ Turbine safety protection system

CLIENTELE

- Horyal Investment Holding Company Limited, Uganda
- Kibos Paper & Packaging Limited, Kenya
- Kibos Distillers Limited, Kenya
- Kibos Sugar & Allied Industries Limited





ELECTRICAL



POWER DISTRIBUTION

- ❖ 9.45 MVA & 2.5 MVA substations by supplying single PCC panel of 22 mtrs., MCC panels, VFD panels, transformers, HT panels, breaker, battery charger etc.

SYNCHRONIZATION OF TURBINE, DG & GRID

- ❖ Synchronization of turbine, DG & grid for uninterrupted power supply across the plant

HT DISTRIBUTION

- ❖ 11KV / 22 KV HT transmission with switchyard
- ❖ HT Connections & VCBs

LT DISTRIBUTION

- ❖ LT distribution system

CLIENTELE

- Hoyal Investment Holding Company Limited, Uganda
- Kibos Paper & Packaging Limited, Kenya
- Kibos Sugar Refinery, Kenya
- Kibos Distillers Limited, Kenya
- Rovas Limited, Kenya





BALANCE OF PLANT / AUXILIARIES

STEAM DISTRIBUTION SYSTEM

- **HP, MP & LP steam piping & fittings –**
 - ❖ Successfully catered HP steam piping of 45 kg/cm²
 - ❖ LP steam piping (16 kg/cm², 9 kg/cm², 4.5 kg/cm², 3.5 kg/cm², 1.5 kg/cm²)
- **PRDS Stations –**
 - ❖ PRDS system –
 - ✓ 45 kg/cm² – 16 kg/cm² – 9 kg/cm² – 4.5 kg/cm² – 3.5 kg/cm² – 1.5 kg/cm²
- **Interconnection of boilers –**
 - ❖ Interconnection of two boilers of 100 TPH & 37 TPH to balance the steam for pulp, paper & distillery plant.
- **HP & LP Steam distribution headers –**
 - ❖ Installed HP, LP & common steam distribution headers.



CLIENTELE

- Kibos Paper & Packaging Limited, Kenya
- Horyal Investment Holding Company Limited, Uganda
- Kibos Sugar & Allied Industries Limited, Kenya
- Kibos Distillers Limited, Kenya

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BALANCE OF PLANT / AUXILIARIES



ENVIRONMENTAL SOLUTIONS

- **Effluent treatment plants –**
 - ❖ 2200 m³/day ETP plant with allied suppliers.
 - ❖ 500 m³/day ETP plant with allied suppliers.
- **Water treatment plants –**
 - ❖ 300 m³/hr WTP plant with allied suppliers
- **Air pollution control system**

WATER / CONDENSATE DISTRIBUTION

- Distribution of fresh water, DM water, softened water, clarified water & filtrate water after treated from WTP / DM plant to boiler & process of around 3000 mtrs.

CLIENTELE

- Horyal Investment Holding Company Limited, Uganda
- Kibos Paper & Packaging Limited, Kenya
- Kibos Distillers Limited, Kenya





BALANCE OF PLANT / AUXILIARIES

MATERIAL HANDLING SYSTEM

- Belt conveyors, elevators, carriers, slat chain conveyors, portable belt conveyors –
 - ❖ Bagasse handling system for pulp & paper with allied suppliers.
 - ❖ Portable belt conveyor, stacking & truck / container – loading system for sugar bag handling with allied suppliers
 - ❖ Sugar Elevators of 11 meters & Graded sugar elevators of 17 meters.

CLIENTELE

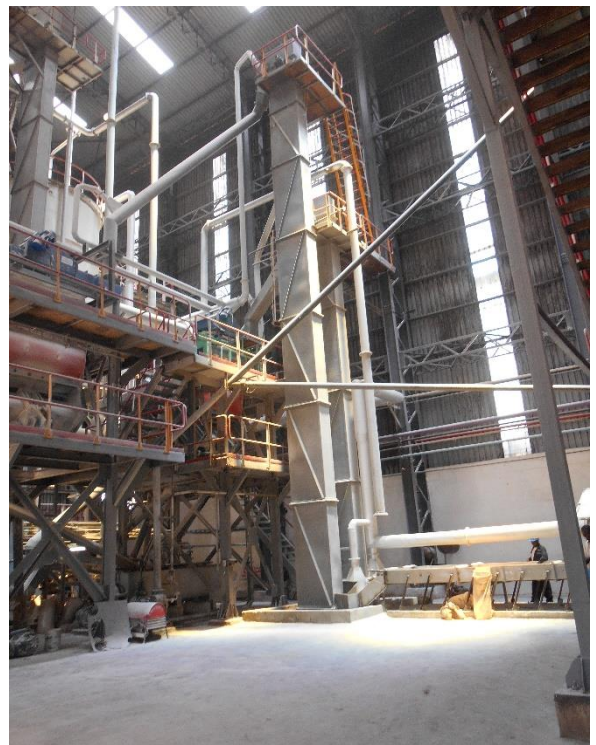
- Kibos Paper & Packaging Limited, Kenya
- Horyal Investment Holding Company Limited, Uganda
- Butali Sugar Mills Limited, Kenya
- Busia Sugar Industry Limited, Kenya

AIR DISTRIBUTION

- Distribution of Instrument air.
- Compressed air / Service air for the pneumatic system.

CHEMICAL HANDLING

- Sugar mill & process house
- Boiler
- ETP & WTP operations
- Laboratory setups
- Pulp & paper



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BALANCE OF PLANT / AUXILIARIES

COOLING TOWERS & SPRAY PONDS

- ❖ 1200 m³/hr. cooling tower
- ❖ 400 m³/hr. cooling tower
- ❖ 300 m³/hr. cooling tower with allied suppliers
- ❖ Hot condensate cooling tower of capacity 150 m³/hr.
- ❖ 90 m³/hr. cooling tower

CLIENTELE

- Kibos Sugar Refinery, Kenya
- Kibos Paper & Packaging Limited, Kenya
- Horyal Investment Holding Company Limited, Uganda
- Kibos Sugar & Allied Industries Limited, Kenya
- Kibos Distillers Limited, Kenya

FIRE FIGHTING SYSTEM

- ❖ Protected the complete area of pulp & paper plant with fire fighting equipment & water piping
- ❖ Protected the complete area of distillery & alcohol bulk storage tanks with fire fighting equipment, water piping, auto foam flooding system & sprinklers

CLIENTELE

- Kibos Paper & Packaging Limited, Kenya
- Kibos Distillery Limited, Kenya
- Rovas Limited, Kenya





BALANCE OF PLANT / AUXILIARIES

CIVIL & STRUCTURAL SUPPORT

- ❖ Civil engineering, load data analysis
- ❖ Preparation of civil foundation drawings
- ❖ Structure designing & engineering.
- ❖ STADD analysis
- ❖ Preparation of structural drawings

CLIENTELE

- Horyal Investment Holding Company Limited, Uganda
- Kibos Paper & Packaging Limited, Kenya
- Kibos Sugar & Allied Industries Limited, Kenya
- Busia Sugar Mills Limited, Kenya
- Kibos Sugar Refinery, Kenya
- Kibos Distillers Limited, Kenya
- Kaliro Sugar, Uganda
- Butali Sugar Mills Limited, Kenya





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Projects Private Limited

Our Global Presence



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KENYA



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SPAIN



SAUDI ARABIA



TANZANIA



SYRIA



PHILIPPINES



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JAMAICA



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