

SCHEDULE N

FUEL METER LISTING

FUEL METER LISTING

CABRAS POWER PLANT UNIT #1 & 2

Storage Tank No. 1 Inlet Meter

Make: Brooks Instrument
Model: B103ACAABACFAEA
Serial Number: 9812-29218-2-1A
Manufacturer: Emerson Electric Co.
Size: 8" Accuracy: 85%
Flow: 300-1500 GPM
Temperature: 85-92 °F
Pressure: 300 PSI
Type of Fuel: #6 HSF

Storage Tank No. 2 Inlet Meter

Make: Brooks Instrument
Model: B103ACAABACFAEA
Serial Number: 9812-29218-2-1 A
Manufacturer: Emerson Electric Co.
Size: 8" Accuracy: 85%
Flow: 300-1500 GPM
Temperature: 85-92 °F
Pressure: 300 PSI
Type of Fuel: #6 LSF

Unit No. 1 HO Supply Meter

Make: Emerson
Model: Micro Motion
Serial Number: 2089581
Manufacturer: Emerson
Size: 2-1/2" Accuracy: $\pm 0.10\%$
Flow: 0-5000 lb/min
Temperature: 400 °F
Pressure: 365 PSI
Type of Fuel: Heavy Oil

Unit No.2 HO Supply Meter

Make: Emerson
Model: Micro Motion
Serial Number: 2096569
Manufacturer: Emerson
Size: 2-1/2" Accuracy: $\pm 0.10\%$
Flow: 0-5000 lb/min
Temperature: 400 °F
Pressure: 365 PSI
Type of Fuel: Heavy Oil

Unit No.1 HO Return Meter

Make: Emerson
Model: Micro Motion
Serial Number: 2084398
Manufacturer: Emerson
Size: 2-1/2" Accuracy: $\pm 0.10\%$
Flow: 0-5000 lb/min
Temperature: 400 °F
Pressure: 365 PSI
Type of Fuel: Heavy Oil

Unit No.2 HO Return Meter

Make: Emerson
Model: Micro Motion
Serial Number: 2088503
Manufacturer: Emerson
Size: 2-1/2" Accuracy: $\pm 0.10\%$
Flow: 0-5000 lb/min
Temperature: 400 °F
Pressure: 365 PSI
Type of Fuel: Heavy Oil

CABRAS POWER PLANT UNIT #3 & 4

Unit No.3 Storage Day Tank

Make: GRUPPO ISOIL
Model: EM1264/A
Serial Number: 2766(6-389)
Manufacturer: GRUPPO ISOIL, Italy
Size: 3" Accuracy: $\pm 0.25\%$
Flow: 380-3800 lb/min
Temperature: 10/100 Degree Celcius
Pressure: 2100 KPa
Type of Fuel: RF-6 (High Sulfur Fuel Oil)
Meter Register: VEEDER-ROOT
Form No. 788700
Serial No. 9507614252

Unit No.4 Storage Day Tank

Make: GRUPPO ISOIL
Model: EM1264/A
Serial Number: 2766(6-389)
Manufacturer: GRUPPO ISOIL, Italy
Size: 3" Accuracy: $\pm 0.25\%$
Flow: 380-3800 lb/min
Temperature: 10/100 Degree Celcius
Pressure: 2100 KPa
Type of Fuel: RF-6 (Low Sulfur Fuel Oil)
Meter Register: VEEDER-ROOT
Form No. 788700 90.6
Serial No. 9507614251

Unit No.3 Homogenizer Inlet HFO

Make: Oval Gear Meter
Model: 9457FB7D1A2A
Serial Number: 0506-6654U-1-1
Manufacturer: Brodie Meter Co. LLC
Size: 2" Accuracy: $\pm 0.25\%$
Flow: 20 to 666 LPM at 19 CPS
Pressure: 285 PSI
Type of Fuel: Heavy Fuel Oil
Meter Register: VEEDER-ROOT
Form No. 0788700-0031
Serial No. 0505324072

Unit No.4 Homogenizer Inlet HFO

Make: Oval Gear Meter
Model: 9457FB7D1A2A
Serial Number: 0506-6654U-1-1
Manufacturer: Brodie Meter Co. LLC
Size: 2" Accuracy: $\pm 0.25\%$
Flow: 20 to 666 LPM at 19 CPS
Pressure: 285 PSI
Type of Fuel: Heavy Fuel Oil
Meter Register: VEEDER-ROOT
Form No. 0788700-0031
Serial No. 0510339465

Common LSFO Service Tank

Make: Brooks Instrument Division
Model: 9459FB7D1A2A
Serial Number: 9501-09055-6-2
Manufacturer: Brooks Instrument Division
(Emerson Electric Co.)
Size: 3" Accuracy: $\pm 0.25\%$
Type of Fuel: RF-6 (High Sulfur Fuel Oil)
Meter Register: Brooks Instrument
Division (Emerson Electric Co.)
Form No. 788700 031
Serial No. 9202478262

Common HSFO Service Tank

Make: Brooks Instrument Division
Model: 9459FB7D1A2A
Serial Number: 9501-09055-6-3
Manufacturer: Brooks Instrument Division
(Emerson Electric Co.)
Size: 3" Accuracy: $\pm 0.25\%$
Type of Fuel: RF-6 (High Sulfur Fuel Oil)
Meter Register: Brooks Instrument
Division (Emerson Electric Co.)
Form No. 788700 031
Serial No. 501593578

Unit No.3 Fuel Oil Return

Make: Ultra Oval
Model: LUS56C11-A410
Serial Number: YU05069
Manufacturer: Oval Korea Limited
Size: 2" Accuracy: $\pm 0.5\%$
Temp: 120 Degree Celcius (Max)
Flow: INT 0.6-24 M³/H
Pressure: 1.36 MPa
Type of Fuel: Heavy Fuel Oil

Unit No.4 Fuel Oil Return

Make: Ultra Oval
Model: LUS56C11-A410
Serial Number: YU05070
Manufacturer: Oval Korea Limited
Size: 2" Accuracy: $\pm 0.5\%$
Temp: 120 Degree Celcius (Max)
Flow: INT 0.6-24 M³/H
Pressure: 1.36 MPa
Type of Fuel: Heavy Fuel Oil

MACHECHE COMBUSTION TURBINE POWER PLANT

Fuel Unloading Area

Make: Mass Flow Sensor-Elite
Model: CMF300M425NU
Serial Number: 2093170 (Sensor)
Manufacturer: Micro-Motion
Size: 3" Accuracy: $\pm 0.05\%$
Flow: 1200GPM
Temp: 55 °C
Pressure: 1450 PSI
Type of Fuel: Diesel Fuel

Control Room Fuel Meter

Make: Totalizer Yokogawa
Model: STLD-201*E
Serial Number: 5174VA100 820
Manufacturer: Flow Technology
Size: 1" Accuracy: $\pm 1.0\%$
Flow: 0.6-60 GPM
Temp: 170 °F
Pressure: 900 PSI
Type of Fuel: Diesel Fuel

YIGO COMBUSTION TURBINE POWER PLANT

Fuel Unloading Area

Make: Mass Flow Sensor-Elite
Model: RFT 9739D5SUA
Serial Number: 2088504
Manufacturer: Micro-Motion Inc.
Size: 3" Accuracy: $\pm 0.05\%$
Flow: 1200GPM
Temp: 55 °C
Pressure: 1450 PSI
Type of Fuel: Diesel Fuel

Control Room Fuel Meter

Make: Totalizer Yokogawa
Model: STLD-201*E/MTS/DL/Z
Serial Number: T5174LB410-230
Manufacturer: Flow Technology
Size: 1" Accuracy: $\pm 1.0\%$
Flow: 0.6-60 GPM
Temp: 170 °F
Pressure: 900 PSI
Type of Fuel: Diesel Fuel

MARBO COMBUSTION TURBINE POWER PLANT

Turbine Compartment Meter

Make: Mass Flow Sensor-Elite
Model: 2700R11ABUEZZI
Serial Number: 2231376
Manufacturer: Micro-Motion Inc.
Size: 1"
Flow: 1200GPM
Temp: -20 TO 55 °C
Pressure: 625 PSI
Type of Fuel: Diesel Fuel

DEDEDO COMBUSTION TURBINE POWER PLANT UNIT#1&2

Unit #1 Fuel Forwarding Meter

Make: Petrol Instrument PD Flow Meter
Model: FA12-12-C5
Serial Number: 122-2538
Manufacturer: PETROL
Size: 2" Accuracy: $\pm 0.5\%$
Flow: 2-12 MC/H
Temp: 140 °F
Pressure: 145 PSI
Type of Fuel: Distillate Oil

Unit #2 Fuel Forwarding Meter

Make: Petrol Instrument PD Flow Meter
Model: FA12-12-06
Serial Number: 123-2816
Manufacturer: PETROL
Size: 2" Accuracy: $\pm 0.5\%$
Flow: 2-12 MC/H
Temp: 140 °F
Pressure: 145 PSI
Type of Fuel: Distillate Oil

Unit #1&2 Fuel Unloading Skid

Make: Mass Flow Sensor-Elite
Model: CMF300M425NU
Serial Number: 362719 (Sensor)
Manufacturer: Micro-Motion
Size: 3" Accuracy: $\pm 0.05\%$
Flow: 1200GPM
Temp: 204 °C
Pressure: 1450 PSI
Type of Fuel: Diesel Fuel

TANGUISSON POWER PLANT UNITS 1&2

Storage Tank #1

Make: Birotor Meter
Model: B085
Serial Number: Meter Register No. 0312272987
Manufacturer: Brodie International
Size: 4" Accuracy: $\pm 0.15\%$
Flow: 600GPM
Temp: 150 °F
Pressure: 1480 PSI
Type of Fuel: #6 Bunker C

TENJO POWER PLANT

Storage Tank Receiving Meter

Make: Hersey Measurement Company
Model: 1030
Sending Unit Model No. 1006 Pre-Amp
Manufacturer: Blancett
Size:4" Accuracy: $\pm 1\%$
Flow: .6-3/500/5000 GPM
Temp: -150- -350 °F
Pressure: 5000 PSI
Type of Fuel: Diesel Fuel (DF2)

Fuel Totalizer (inside fuel berm)

Make: AALAIN Fluid Measurement Solutions
Model: 1530
Serial No. 000038
Sending Unit Assembly:
Manufacturer: Blancett
Model No. B111-130-FDAAA
Serial No. 01170001
Type of Fuel: Diesel Fuel (DF2)

Fuel Totalizer (inside building)

Make: Hersey Measurement Company
Model: 1030
Serial No. 9702093
Manufacturer: Blancett
Size:4" Accuracy: $\pm 1\%$
Flow: .6-3/500/5000 GPM
Temp: -150- -350 °F
Pressure: 5000 PSI
Type of Fuel: Diesel Fuel (DF2)

Unit #1 Day Tank

Make: Hersey Measurement Company
Model: 1030
Serial No. 9702384
Manufacturer: Blancett
Size:1"-1-1/4" Accuracy: $\pm 1\%$
Flow: .6-3/500/5000 GPM
Temp: -150- -350 °F
Pressure: 5000 PSI
Type of Fuel: Diesel Fuel (DF2)

Unit #2 Day Tank

Make: AALAIN
Model: 1530A
Serial No. 0000334
Size:1"-1-1/4"
Type of Fuel: Diesel Fuel (DF2)

Unit #3 Day Tank

Make: Hersey Measurement Company
Model: 1030
Serial No. 9702094
Manufacturer: Blancett
Size: 1"-1-1/4" Accuracy: \pm 1%
Flow: .6-3/500/5000 GPM
Temp: -150- -350 °F
Pressure: 5000 PSI
Type of Fuel: Diesel Fuel (DF2)

Unit #4 Day Tank

Make: Hersey Measurement Company
Model: 1030
Serial No. 9702096
Manufacturer: Blancett
Size: 1"-1-1/4" Accuracy: \pm 1%
Flow: .6-3/500/5000 GPM
Temp: -150- -350 °F
Pressure: 5000 PSI
Type of Fuel: Diesel Fuel (DF2)

Unit #5 Day Tank

Make: AALAIN
Model: 1530A
Serial No. 0000340
Size: 1"-1-1/4"
Type of Fuel: Diesel Fuel (DF2)

Unit #6 Day Tank

Make: Hersey Measurement Company
Model: 1030
Serial No. 9702095
Manufacturer: Blancett
Size: 1"-1-1/4" Accuracy: \pm 1%
Flow: .6-3/500/5000 GPM
Temp: -150- -350 °F
Pressure: 5000 PSI
Type of Fuel: Diesel Fuel (DF2)

Talofofu, Dededo Diesel and Manenggon Power Plants

Meters at Talofofu, Dededo Diesel, and Manenggon Power Plants are of the same manufacturer. Meters at these sites including Tenjo, all the CT Plants are equipped with transmitters and monitors at the control rooms of each plant. These monitors need to be reactivated and calibrated. Prospective bidders need to verify sizes and serial numbers during the site inspection.

Fuel Meter

Make: RUGID Computer

Model: RFT9739D5SVA

Manufacturer: RUGID

Transmitters: Elite Remote Floe Transmitter

Model No. RFT9739VA RFT9739

Mass Flow Sensor Model No. CMF100M329N