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Dear Tural Mürsəlov,

Prepared By:
İlkin SaruhanOffer Date
09.01.2026Offer No:
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Firm:

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Block 2098\Office 5, Baku, AzerbaijanRelevant Person:
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Thank you for choosing BVS Cranes, Kindly review our quotation and revert.

BVS CRANES; With experience of more than 30 years in industrial cranes manufacture, BÜLBÜLOĞLU Vinç San. ve Tic. A.Ş., a leader in Turkey in this sector, offers solutions to various leading industries across the globe. BVS CRANES provides fast and smooth delivery with its closed manufacturing area size, human resources, financial infrastructure, project design, a facility with state-of-the-art production processes and experienced manufacturing staff.

PRODUCTS; Industrial rope lifting machines, Overhead bridge cranes, Gantry cranes, Jib cranes, Process cranes, Special design lifting units, Shiploader, STS, RTG, RMG for port operations and Technological steel / mechanical productions

BVS CRANES is one of the leading manufacturers in the crane sector both in Turkey and in the world, built on a strong foundation of quality of service and products since 1985. Our After Sales Services unit has the capacity to meet all your spare parts and service expectations with our strong technical infrastructure and staff.

BVS CRANES, After Sales Services is accredited by the Turkish Accreditation Agency (TÜRKAK) within the scope of TS EN ISO / IEC 17020 standard.

BVS CRANES Is a pioneer in terms of quality standards, top notch technology use and environmental awareness.

Certification;**CE CERTIFICATE OF CONFORMITY – COMPLIANCE WITH EUROPEAN NORMS****ISO 9001:2015 – QUALITY MANAGEMENT SYSTEM****ISO 14001:2015 – ENVIRONMENTAL MANAGEMENT SYSTEM****ISO 45001:2018 – OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT****EN 1090-1:2009+A1:2011, EN 1090-2:2008+A1:2011 (EXC 4) – STEEL AND ALUMINUM STRUCTURES APPLICATION****EN ISO 3834-2 – WELDING QUALITY COMPATIBILITY****EAC – RUSSIAN FEDERATION CUSTOMS UNION AND CONFORMITY****TS EN 15011+A1 – CRANES -OVERHEAD AND GANTRY CRANES****TS EN ISO/IEC 17020:2012 – AFTER SALES SERVICES ACCREDITATION CERTIFICATE****BVS® REGISTERED BRAND AND DESIGN****R&D CENTER CERTIFICATE - CERTIFIED BY THE MINISTRY OF INDUSTRY AND TECHNOLOGY**

For more information please visit our website: <http://www.bvs.com.tr> or you can contact us through info@bvs.com.tr , export@bvs.com.tr email addresses and our telephone number **+90 (312) 267 2929**.

Herewith, we are committed to providing the best service for INDUSTRIAL CRANES APPLICATIONS,

We are waiting for your precious orders.

Best Regards,

BVS CRANES, BÜLBÜLOĞLU VİNÇ SAN. VE TİC. AŞ.

EXPORT SALES SPECIALIST

Mr. İlkin SARUHAN

**EXPORT SALES CHIEF**

Ms. Sirma EKİZ (Industrial Engineer)



1 - TECHNICAL SPECIFICATIONS

POS.1

DOUBLE GIRDER GANTRY CRANE KIT

Unit	1	
Hall	MAK-110	
Capacity (Kg)	30.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	35(Out of BVS Scope)	
Runway Length (m)	26	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A3A61.H1.V1
Capacity(kg)	30.000	
Hoisting Speed (m/min)	2,6/0,6	Double Speed
Hoisting Motor (kW)	20/5	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	6/1	20 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	250	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	2x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315Boogie	8 Unit (4 Unit Direct – 4 Unit Idle) – design for 60x40 square rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	4x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	35
Control Voltage	48
Push Button Control (m)	35 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.1.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	26
Runway Rail	60x40 Square Rail (Total Length 2x26m)

POS.1.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	26
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.2

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	MAK-111	
Capacity (Kg)	30.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	35(Out of BVS Scope)	
Runway Length (m)	21,5	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A3A61.H1.V1
Capacity(kg)	30.000	
Hoisting Speed (m/min)	2,6/0,6	Double Speed
Hoisting Motor (kW)	20/5	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	6/1	20 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	250	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	2x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315Boogie	8 Unit (4 Unit Direct – 4 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	4x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	35
Control Voltage	48
Push Button Control (m)	35 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.2.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	21,5
Runway Rail	60x40 Square Rail (Total Length 2x21,5m)

POS.2.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	21,5
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.3

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	MAK-119	
Capacity (Kg)	20.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	24	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.3.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	24
Runway Rail	60x40 Square Rail (Total Length 2x24m)

POS.3.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	24
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.4

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	MAK-120	
Capacity (Kg)	20.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	24	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.4.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	24
Runway Rail	60x40 Square Rail (Total Length 2x24m)

POS.4.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	24
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.5

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	501-005	
Capacity (Kg)	20.000	
Lifting Height (m)	8,9	
Leg Height (m)	~10(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	54	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H2.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.5.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	54
Runway Rail	60x40 Square Rail (Total Length 2x54m)

POS.5.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	54
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.6

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	219-005	
Capacity (Kg)	20.000	
Lifting Height (m)	6,5	
Leg Height (m)	~7,5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	15,30	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.6.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	15,30
Runway Rail	60x40 Square Rail (Total Length 2x15,30m)

POS.6.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	15,3
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.7

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	502-005	
Capacity (Kg)	20.000	
Lifting Height (m)	8,9	
Leg Height (m)	~10(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	54	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H2.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.7.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Indoor
Working Temperature (°C)	-10/+40
Runway Length (m)	54
Runway Rail	60x40 Square Rail (Total Length 2x54m)

POS.7.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	54
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.8

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	601-005	
Capacity (Kg)	20.000	
Lifting Height (m)	6,5	
Leg Height (m)	~7,5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	15,30	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.8.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	15,30
Runway Rail	60x40 Square Rail (Total Length 2x15,30m)

POS.8.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	15,3
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.9

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	101-009	
Capacity (Kg)	20.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	26,5	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.9.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	26,5
Runway Rail	60x40 Square Rail (Total Length 2x26,5m)

POS.9.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	26,5
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.10

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	101-010	
Capacity (Kg)	20.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	26,5	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.10.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	26,5
Runway Rail	60x40 Square Rail (Total Length 2x26,5m)

POS.10.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	26,5
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.11

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	503-005	
Capacity (Kg)	20.000	
Lifting Height (m)	8,9	
Leg Height (m)	~10(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	54	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H2.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.11.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	54
Runway Rail	60x40 Square Rail (Total Length 2x54m)

POS.11.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	54
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.12

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	504-005	
Capacity (Kg)	20.000	
Lifting Height (m)	8,9	
Leg Height (m)	~10(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	31,80	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H2.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.12.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	31,8
Runway Rail	60x40 Square Rail (Total Length 2x31,8m)

POS.12.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	31,8
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.13

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	602-005	
Capacity (Kg)	20.000	
Lifting Height (m)	6,5	
Leg Height (m)	~7,5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	12,10	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.13.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	12,1
Runway Rail	60x40 Square Rail (Total Length 2x12,1m)

POS.13.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	12,1
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.14

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	102-009	
Capacity (Kg)	20.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	16	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.14.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Runway Rail	60x40 Square Rail (Total Length 2x16m)

POS.14.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.15

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	102-010	
Capacity (Kg)	20.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	16	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.15.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Runway Rail	60x40 Square Rail (Total Length 2x16m)

POS.15.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.16

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	505-005	
Capacity (Kg)	20.000	
Lifting Height (m)	8,9	
Leg Height (m)	~10(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	31,80	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H2.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.16.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	31,8
Runway Rail	60x40 Square Rail (Total Length 2x31,8m)

POS.16.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	31,8
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.17

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	603-005	
Capacity (Kg)	20.000	
Lifting Height (m)	6,5	
Leg Height (m)	~7,5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	12,10	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.17.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	12,1
Runway Rail	60x40 Square Rail (Total Length 2x12,1m)

POS.17.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	12,1
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.18

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	103-009	
Capacity (Kg)	20.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	16	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.18.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Runway Rail	60x40 Square Rail (Total Length 2x16m)

POS.18.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.19

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	103-010	
Capacity (Kg)	20.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	16	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.19.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Runway Rail	60x40 Square Rail (Total Length 2x16m)

POS.19.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.20

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	506-005	
Capacity (Kg)	20.000	
Lifting Height (m)	8,9	
Leg Height (m)	~10(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	31,8	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H2.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.20.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	31,8
Runway Rail	60x40 Square Rail (Total Length 2x31,8m)

POS.20.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	31,8
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.21

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	604-500	
Capacity (Kg)	20.000	
Lifting Height (m)	6,5	
Leg Height (m)	~7,5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	12,10	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.21.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	12,1
Runway Rail	60x40 Square Rail (Total Length 2x12,1m)

POS.21.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	12,1
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.22

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	104-009	
Capacity (Kg)	20.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	16	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.22.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Indoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Runway Rail	60x40 Square Rail (Total Length 2x16m)

POS.22.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

POS.23

DOUBLE GIRDER GANTRY CRANE

Unit	1	
Hall	104-010	
Capacity (Kg)	20.000	
Lifting Height (m)	4	
Leg Height (m)	~5(Out of BVS Scope)	
Span (m)	20(Out of BVS Scope)	
Runway Length (m)	16	
Operation Site	Outdoor	
Operation Class	Fem 2m	ISO EN13001 M5
Working Temperature (°C)	-10/+40	

MAIN HOISTING GROUP

Type	Trolley	BVS.A2A41.H1.V1
Capacity(kg)	20.000	
Hoisting Speed (m/min)	4,1/0,7	Double Speed
Hoisting Motor (kW)	18,8/2,9	ABM (GERMANY) %40 ED
Rope Reeving / Diameter (mm)	4/1	18 6x36 200 kg/mm ²
Hook Type	DIN 15401	Single type with safety latch, forged steel
Wheel Diameter (mm)	200	4 Unit (2 Unit Direct– 2 Unit Idle)
Trolley Travelling Speed (m/min)	20/5	Double Speed
Trolley Travelling Motor (kW)	1x1,5	With inverter %40 ED

GANTRY & BRIDGE STEEL CONSTRUCTION

Girder	N/A
Misalignment	N/A
Maintenance platform	N/A
Trolley Rail	N/A

GANTRY TRAVELLING UNIT

Wheel Diameter(mm)	315	4 Unit (2 Unit Direct – 2 Unit Idle) – design for existing rail
Gantry Travelling Speed(m/min)	20/5	Double Speed
Gantry Travelling Motor(kW)	2x1,1	With inverter %40 ED

BRIDGE ELECTRICAL EQUIPMENT

Supply Voltage and Frequency (V/Hz)	400 / 50
C Profile System(m)	20
Control Voltage	48
Push Button Control (m)	20 – along the bridge
Remote Control	1 unit (Autech or Teleradio)

PAINT SYSTEM

Sandblasting	SA 2,5	
Steel Construction	RAL1028 yellow	Class C3 / L
Hoisting Group	RAL7043 Grey + RAL1028 Yellow	Class C3 / L

EQUIPMENT BRANDS

Switch Material of Control Panel	Schneider Electric and Siemens
Speed Controllers (Inverter)	Schneider Electric
Hoisting Motor / Reducer / Brake	ABM (GERMANY)
Cross Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI
Long Travel Motor / Reducer / Brake	WAT/PGR/TEMPORITI

TEST LOADS

Static Test	TS EN 15011	Qx1,25 kg
Dynamic Test	TE EN 15011	Qx1,10 kg

POS.23.1

CRANE RUNWAY SYSTEM

Unit	1
Operation Place	Indoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Runway Rail	60x40 Square Rail (Total Length 2x16m)

POS.23.2

RUNWAY ENERGY SUPPLY SYSTEM

Unit	1
Operation Place	Outdoor
Working Temperature (°C)	-10/+40
Runway Length (m)	16
Electrical Equipment	End feeding Spring Type Cable Drum Brand: KATO - Turkey

2 – OFFER PRICE

PART	UNIT	DESCRIPTION	UNIT PRICE (€)	TOTAL PRICE(€)
POS 1 MAK-110	1	Double Girder Gantry Crane Kit 30t, H:4m, La:35m, Ly:26m	95,500	95,500
POS 1.1	1	Crane Runway System Ly:26m	2,300	2,300
POS 1.2	1	Runway Energy Supply System Ly:26m, End feeding spring type cable drum	1,800	1,800
POS 2 MAK-111	1	Double Girder Gantry Crane Kit 30t, H:4m, La:35m, Ly:21,5m	95,500	95,500
POS 2.1	1	Crane Runway System Ly:21,5m	2,000	2,000
POS 2.2	1	Runway Energy Supply System Ly:21,5m, End feeding spring type cable drum	1,800	1,800
POS 3 MAK-119	1	Double Girder Gantry Crane Kit 20t, H:4m, La:20m, Ly:24m	45,200	45,200
POS 3.1	1	Crane Runway System Ly:24m	2,200	2,200
POS 3.2	1	Runway Energy Supply System Ly:24m, End feeding spring type cable drum	1,800	1,800
POS 4 MAK-120	1	Double Girder Gantry Crane Kit 20t, H:4m, La:20m, Ly:24m	45,200	45,200
POS 4.1	1	Crane Runway System Ly:24m	2,200	2,200
POS 4.2	1	Runway Energy Supply System Ly:24m, End feeding spring type cable drum	1,800	1,800
POS 5 501-005	1	Double Girder Gantry Crane Kit 20t, H:8,9mm, La:20m, Ly:54m	45,800	45,800
POS 5.1	1	Crane Runway System Ly:54m	5,000	5,000
POS 5.2	1	Runway Energy Supply System Ly:54m, End feeding spring type cable drum	3,500	3,500
POS 6 219-005	1	Double Girder Gantry Crane Kit 20t, H:6,5m, La:20m, Ly:15,3m	45,800	45,800
POS 6.1	1	Crane Runway System Ly:15,3m	1,400	1,400
POS 6.2	1	Runway Energy Supply System Ly:15,3m, End feeding spring type cable drum	1,500	1,500
POS 7 502-005	1	Double Girder Gantry Crane Kit 20t, H:8,9mm, La:20m, Ly:54m	45,800	45,800
POS 7.1	1	Crane Runway System Ly:54m	5,000	5,000
POS 7.2	1	Runway Energy Supply System Ly:54m, End feeding spring type cable drum	3,500	3,500

POS 8 601-005	1	Double Girder Gantry Crane Kit 20t, H:6,5m, La:20m, Ly:15,3m	45,800	45,800
POS 8.1	1	Crane Runway System Ly:15,3m	1,400	1,400
POS 8.2	1	Runway Energy Supply System Ly:15,3m, End feeding spring type cable drum	1,500	1,500
POS 9 101-009	1	Double Girder Gantry Crane Kit 20t, H:4m, La:20m, Ly: 26,5m	45,200	45,200
POS 9.1	1	Crane Runway System Ly: 26,5m	2,400	2,400
POS 9.2	1	Runway Energy Supply System Ly:26,5m, End feeding spring type cable drum	1,800	1,800
POS 10 101-010	1	Double Girder Gantry Crane Kit 20t, H:4m, La:20m, Ly: 26,5m	45,200	45,200
POS 10.1	1	Crane Runway System Ly: 26,5m	2,400	2,400
POS 10.2	1	Runway Energy Supply System Ly:26,5m, End feeding spring type cable drum	1,800	1,800
POS 11 503-005	1	Double Girder Gantry Crane Kit 20t, H:8,9mm, La:20m, Ly:54m	45,800	45,800
POS 11.1	1	Crane Runway System Ly:54m	5,000	5,000
POS 11.2	1	Runway Energy Supply System Ly:54m, End feeding spring type cable drum	3,500	3,500
POS 12 504-005	1	Double Girder Gantry Crane Kit 20t, H:8,9mm, La:20m, Ly:31,8m	45,800	45,800
POS 12.1	1	Crane Runway System Ly:31,8m	2,900	2,900
POS 12.2	1	Runway Energy Supply System Ly:31,8m, End feeding spring type cable drum	1,900	1,900
POS 13 602-005	1	Double Girder Gantry Crane Kit 20t, H:6,5m, La:20m, Ly:12,10m	45,800	45,800
POS 13.1	1	Crane Runway System Ly:12,10m	1,100	1,100
POS 13.2	1	Runway Energy Supply System Ly:12,10m, End feeding spring type cable drum	1,500	1,500
POS 14 102-009	1	Double Girder Gantry Crane Kit 20t, H:4m, La:20m, Ly: 16m	45,200	45,200
POS 14.1	1	Crane Runway System Ly: 16m	1,500	1,500
POS 14.2	1	Runway Energy Supply System Ly:16m, End feeding spring type cable drum	1,500	1,500
POS 15 102-010	1	Double Girder Gantry Crane Kit 20t, H:4m, La:20m, Ly: 16m	45,200	45,200

POS 15.1	1	Crane Runway System Ly: 16m	1,500	1,500
POS 15.2	1	Runway Energy Supply System Ly:16m, End feeding spring type cable drum	1,500	1,500
POS 16 505-005	1	Double Girder Gantry Crane Kit 20t, H:8,9mm, La:20m, Ly:31,8m	45,800	45,800
POS 16.1	1	Crane Runway System Ly:31,8m	2,900	2,900
POS 16.2	1	Runway Energy Supply System Ly:31,8m, End feeding spring type cable drum	1,900	1,900
POS 17 603-005	1	Double Girder Gantry Crane Kit 20t, H:6,5m, La:20m, Ly:12,10m	45,800	45,800
POS 17.1	1	Crane Runway System Ly:12,10m	1,100	1,100
POS 17.2	1	Runway Energy Supply System Ly:12,10m, End feeding spring type cable drum	1,500	1,500
POS 18 103-009	1	Double Girder Gantry Crane Kit 20t, H:4m, La:20m, Ly: 16m	45,200	45,200
POS 18.1	1	Crane Runway System Ly: 16m	1,500	1,500
POS 18.2	1	Runway Energy Supply System Ly:16m, End feeding spring type cable drum	1,500	1,500
POS 19 103-010	1	Double Girder Gantry Crane Kit 20t, H:4m, La:20m, Ly: 16m	47,800	47,800
POS 19.1	1	Crane Runway System Ly: 16m	1,500	1,500
POS 19.2	1	Runway Energy Supply System Ly:16m, End feeding spring type cable drum	1,500	1,500
POS 20 506-005	1	Double Girder Gantry Crane Kit 20t, H:8,9mm, La:20m, Ly:31,8m	45,800	45,800
POS 20.1	1	Crane Runway System Ly:31,8m	2,900	2,900
POS 20.2	1	Runway Energy Supply System Ly:31,8m, End feeding spring type cable drum	1,900	1,900
POS 21 604-005	1	Double Girder Gantry Crane Kit 20t, H:6,5m, La:20m, Ly:12,10m	45,800	45,800
POS 21.1	1	Crane Runway System Ly:12,10m	1,100	1,100
POS 21.2	1	Runway Energy Supply System Ly:12,10m, End feeding spring type cable drum	1,500	1,500
POS 22 104-009	1	Double Girder Gantry Crane Kit 20t, H:4m, La:20m, Ly: 16m	47,800	47,800
POS 22.1	1	Crane Runway System Ly: 16m	1,500	1,500

POS 22.2	1	Runway Energy Supply System Ly:16m, End feeding spring type cable drum	1,500	1,500
POS 23 104-010	1	Double Girder Gantry Crane Kit 20t, H:4m, La:20m, Ly: 16m	47,800	47,800
POS 23.1	1	Crane Runway System Ly: 16m	1,500	1,500
POS 23.2	1	Runway Energy Supply System Ly:16m, End feeding spring type cable drum	1,500	1,500

TOTAL PRICE	EUR	1,250,400
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DISCOUNTED PRICE	EUR	955,000
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SAFETY EQUIPMENTS

Emergency stop in control panel
 Phase and thermal protection relays
 Limit switches for hoisting
 Warning system with horn and light
 Bridge and Trolley limit switch
 Overload limit switch, pin type load cell
 Low voltage and high current protection
 Rope guide for proper winding of the rope to the drum
 Crane lifting capacity and working hours logging system
 Rubber Bumpers for Trolley and Bridge

ADDITIONAL EQUIPMENTS

200 W LED projectors to put under the crane
 Outdoor protection covers for hoisting group and travelling motors
 Anti-Collusion switches to be added on the gantry legs
 Wind Lock (Mechanical type)
 Anemometer

3 – OFFER SCOPE

3.1 GENERAL SCOPE

The scope of our offer is explained in detail on the price table and / or technical description pages.

Engineering service that is not clearly stated in our offers, additional calculations, field test, factory acceptance test (FAT), commissioning, supervision service, training, certification etc. services such as materials, attachments, accessories not mentioned, spare parts etc. are not included.

The offered crane will be produced according to the electrical and mechanical specifications shown as in the technical specification table; other specific technical adjustments are out of the scope as long as they are not defined.

3.2 BVS SCOPE

The production of the crane's equipment that is defined in technical specification part

Runway Electrical Equipment,

Runway Rails,

Shipment,

Packaging,

Custom Duties in Turkey,

Quality Documentation

3.3 OUT OF BVS SCOPE

Assembly works,

Providing the required number and capacity of mounting cranes for horizontal and vertical movements during assembly,

Accommodation and boarding of the assembly personnel,

All construction operations in the installation site,

Unloading of the materials in the site and store,

Providing of the load and the equipment for Load Test,

Providing of the exact length of cable needed from the Bus-bar feeding point to the clients power supply.

4 – DELIVERY AND PAYMENT TERMS

4.1 DELIVERY

DELIVERY ADDRESS BVS Factory / ANKARA-TURKEY

DELIVERY TYPE FCA/ In our side on your truck / Unload is not under BVS's scope

TIME: The equipment shall be ready for transportation in 28-30 weeks after advance payment and design approval

4.2 PAYMENT

%40 ADVANCE PAYMENTS

%60 WHEN THE GOODS ARE READY FOR SHIPMENT

The currency is EURO, in default of defined as another currency.

Offer price include standard packaging, the EQUIPMENTS shall transport on a wooden pallet.

Offer price doesn't include VAT, duty, stamp duty, bank commission, expenses etc.

In default of defined adverse, all checks and bills will be taken consecutive of order.

If transportation is delayed because of reasons that stem from the client originated reasons (uncompleted of the construction operation, organization of the trucks if it is in client's responsibility, etc.) the payment conditions shall proceed in 5 days after the client has been informed about completion of manufacture. It is going to be accepted as transportation has been completed and all risks are in client's responsibility.

In case our offer includes a transport price; the transport price shows the best price BVS CRANES can offer as per hereby expressed INCOTERMS 2020 delivery terms, at the date of the offer. Any increase in the market rates at the date of transport shall be reflected in the transport price.

PRICE OFFER VALIDITY IS 30 DAYS

5– WARRANTY CONDITIONS

The crane system is under warranty for material and labor errors for 12 months after commissioning of cranes where installation and/or installation supervision is in the BVS's Scope, for cranes with installation and/or installation supervision out of the BVS's scope the warranty period starts after delivery at BVS's Ankara factory.

Warranty conditions are valid as long as the crane system is operated according to the Crane Operation Guide.

Warranty is just for material and labor errors. Faulty usage, faulty maintenance, installation by ineligible and any defect that is caused by revision on the crane system without BVS's confirmation are out of the warranty. Standard abrasion and electrical defaults are out of the warranty

Labor safety will be provided by client for maintenance, repair and revision operations during or after warranty period.

After warranty period has completed, Service Charges are as seen in the Service Fax which is sent when client request.

Service personnel will be sent after service fax is stamped and sent back to BVS by client.

6 – STANDARD DOCUMENTS

When the crane system is delivered, the following standard documents will be given to the client free of charge. Additional documents and project requests will be charged as extra.

Operating manual,

Spare part list,

Service manual,

Warranty certificate,

Crane factory test control reports,

Electrical drawing and equipment list,

General arrangement drawing,

7 – SUPERVISION SERVICE

7.1 SCOPE OF SERVICE

Supervision service includes specialists, who are assigned by BVS to supervise and control, installation works and commissioning stage for the electrical, mechanical and steel works.

Unless otherwise specified in the contract, supervisor prices do not include execution of installation works.

Below mentioned items (but not limited to) are in client's scope;

Unqualified workers will be provided as per supervisor's request according to project and site conditions.

Minimum required healthy conditions will be provided for accommodation place.

To provide safety precautions for accommodation place.

To provide safe transfer services between installation site and accommodation places.

If an agreement is made for installation works, required working conditions will be provided according to occupational health and safety legislation.



7.2 PRICING AND PAYMENT

Price of supervisor; **750 EUR/Day-Man**. VAT is NOT INCLUDED in price.

The prices are given by considering the date of Supervisor's exit and entrance dates to BVS factory.

All costs of visa, accommodation, air tickets, local transportation and subsistence allowance belong to the customer unless otherwise specified.

Unless otherwise stated the supervision fee shall paid before the supervisor travels to the Site from BVS, after payment the supervisor will travel to the buyers premises.

The supervision fee shall be based on agreed estimated dates by BVS.

If it is less than above mentioned period, the remaining amount is returned by BVS.

If an agreement is made for installation supervision in the scope of BVS's offer or contract and the contractual period is exceeded upon reasons that do not originate from BVS, supervisor fee for the extra days shall also be paid by the buyer.

The payment for the extra days shall be made within 7 days following the accomplishing of supervision service.