



Request for Quote

Printed: 19.02.2022

Page:

Number:

1 of 26

6000321260

Date:

19.02.2022

VAT REG NO: 4740101508

ESKOM HOLDINGS GENERATION

eskom holdings generation Ltd

P O Box 2634

johannesburg

2157

RFQ Collective number

Contact person

DAKALO MUGADI

Your person responsible/Your reference

Please deliver to:
Kusile Power Station.
(Near Ogies, on Jhb/Witbank Road)
Kendal Power Station Main Store.
Witbank.
1035

Your vendor number with us

11070302

Quotation deadl.: 30.03.2022

Delivery date: Day 13.05.2022

Dear Valued Supplier,

Eskom Holdings SOC Ltd (#Eskom”) hereby invites you to submit a quote on the following goods/works/services as stated below.

It is the successful tenderer’s responsibility to ensure that they comply, adhere, apply and obtain the relevant (including but not limited to) the necessary Lockdown permit(s) and essential certification to supply and / or to deliver the goods and / or services requested in this RFQ .Accepting the PO and then giving reasons for not being able to supply and / or deliver due to lockdown will not be accepted.”

Please note the following rules with respect to the formal Tendering)

a. Please ensure that the tender documents contains the MPKUS10117GX Enquiry number as per heading and no other information. Do not add any text to the subject line. Do not add any space in between the

Hendrina Power Station

Procurement

Private Bag X1003 PULLENSHOPE SA

Tel 0116298234 Fax

prefix and the enquiry number.

b. Closing Date: 30 March 2022 at 10:00

c. Ensure that the enquiry number is stipulated in the subject line on all e-mails if multiple emails are sent.

d. All tender returnables/documentation must be submitted to The Tender Advice Centre # Tender box at Main Reception Area, 10 Smuts Avenue, Witbank 1035 only. The tenderer shall submit an original tender, plus 1 complete hard copy of the original tender and 1 soft copy/memory stick at tender submission deadline. Failure to submit you will be disqualified.

E-mails to any other address (except for clarifications) will not be accepted.
Failure to comply with these rules will result in your tender being disqualified.

e. Requests for Clarifications must be sent in writing to the respective buyer at Mugadid@eskom.co.za. All requests for clarifications and responses must be in writing. Eskom will respond to requests for clarification received within one (1) # two (2) working days before the tender closing deadline, depending on the enquiry duration and complexity.

Note:

- Due to varying requirements, slight changes could be included in each RFQ document, and suppliers are therefore required to read through the document carefully whenever invited to tender.
- ALL Suppliers are required to be registered (except foreign suppliers) on the National Treasury Central Supplier Database (CSD) as at tender response stage and the respective CSD number must be provided with all quotes together with the Eskom vendor registration number.
Responses that do not comply with the CSD requirement will be regarded as non-responsive (except foreign suppliers)
For CSD registration: Please register at <https://secure.csd.gov.za/>
- All Suppliers (including Foreign suppliers) are required to complete SBD 1-Invitation to Bid and submit this annexure at tender closing deadline. Local suppliers are required to be tax compliant and must submit CSD Number/ Efiling pin number/ copy of tax clearance certificate as evidence of their tax compliance status.
- Foreign suppliers (even those with no footprint in RSA) are in addition required to answer Part B (3) which is part of the afore-mentioned SBD 1. Should the said Foreign suppliers answer "yes" to any of the questions [Part B (3)]; they are required to be tax compliant and must therefore submit their Efiling pin number or copy of tax clearance certificate which will be verified by Eskom.

- All suppliers are required to refer to www.eskom.co.za for the Supplier Integrity Pact that must be downloaded and read. The Integrity Pact Declaration (attached hereto) named Supplier Declaration Form is a mandatory tender returnable.
- Specify line prices at lines where prices are submitted and indicate no quote at lines where no price is submitted.
- Where #designated sectors are applicable, ensure that the relevant annexures and declarations are submitted by the RFQ deadline, or the submission will be regarded as non-responsive and disqualified.
- It is now a requirement to return full specifications with your quotation eg. drawings, dimensions, manufacturer's name, etc of the item contained in this RFQ. You are also required to complete and submit the attached deviation form along with your quotation at RFQ closing deadline. Even if there is no deviation, it is still required to be completed and return this schedule stating that there is no deviation. Please ensure that the SAP No, Drawing No, Revision No and Manufacturer is stated on the form. It must also be signed. If there are deviations, but the deviation schedule has not been completed and/or returned with your quote, your offer will be disqualified.
- Only Eskom Standard Conditions of Tender applies.

ANNEXURES (available for download on SharePoint/Hyperwave)

- Integrity Pact Declaration (applicable for all enquiries)
- SBD-6.2- Certificate for Local Production and Content and Annexures C,D,E (applicable where there are designated sectors / materials only)
- Tax Evaluation questionnaire (applicable for services type of contracts only)
- SBD 1- Invitation to Bid (applicable for all suppliers)
- CPA Requirements for Local Goods/Services (South African) or CPA (IG) for Foreign Goods / Services (where applicable)
- Technical Deviation Schedule (applicable for all enquiries)
- SDB 6.1 - Preference Points Claim Form (applicable for all enquiries)
- Eskom Standard Conditions of Tender (applicable for all enquiries)
- Eskom's General Conditions of Purchase (applicable for all enquiries)
- SD&L Undertaking (where applicable- to be obtained from SD&L)

1. CONDITIONS OF PURCHASE

Eskom General Conditions of Purchase (as attached) will apply.

2. EVALUATION CRITERIA

For transactions above R30 000 up to R50M (inclusive of VAT) Price and B-BBEE Preferential Point Scoring will be based on the 80/20 allocation aligned to the PPPFA Regulations 2017;

For transactions less than R30 000 (inclusive of VAT); the Preferential Point Scoring is not mandatory and only Price may be used (or state any other criteria to be used).

Note:

Eskom reserves the right to negotiate with preferred bidders after a competitive bidding process or price quotations; should the tendered prices not be deemed market-related.

#Eskom reserves the right to award to a supplier who may not be the highest scoring or highest ranked

supplier, in line with Section (2)(1)(f) of the PPPFA”, due to #objective criteria” however this would have to be subject to negotiations.

Upon evaluation of tenders received, Eskom may negotiate or conclude orders with one or more suppliers.

Objective Criteria may comprise the following:-

1. SHEQ Requirements
2. Local to Site (only if justified by Business/Operational requirements)
3. Due Diligence (financial analysis)

3. TENDER RETURNABLES

Please ensure that the tender returnables listed hereunder are submitted as per stipulated deadlines as non-compliance with mandatory tender returnables at RFQ closing deadline will result in disqualification (except where these are required for scoring /ranking purposes only). Non-compliance with mandatory returnables due at contract/order award stage will impact award.

- Integrity Pact Declaration (at RFQ closing deadline)
- SBD 6.2- Certificate for Local Production and Content and Annexures C,D, E (at RFQ closing deadline) Applicable where there are designated sectors/materials only.
- Tax Evaluation questionnaire to determine whether a company, close corporation (CC) or Trust is a personal service provider for purposes of PAYE (at order/contract award) Applicable for services contracts only.
- SBD 1- Invitation to Bid (at RFQ closing deadline) Applicable for all suppliers
- CPA Requirements for Local Goods/Services (South African) or CPA (IG) for Foreign Goods/Services (at tender closing deadline) Where applicable.
- Technical Deviation schedule (at RFQ closing deadline). This must be completed, signed and submitted for all enquiries indicating whether there are deviations or not. Whether there are deviations or not, if the deviation schedule has not been completed and/or returned with your quote, your offer will be disqualified.
- SBD 6.1- Preference Points Claim Form (at RFQ closing deadline) Applicable for all
- Copy of valid current SARS certificate (at contract/order award) Applicable for Foreign suppliers who are required to be tax compliant but have not submitted a CSD/eFiling Pin number.
- *Certified copy of a Valid original B-BBEE certificate (at RFQ closing deadline)
- List of Directors/Shareholding (at RFQ closing deadline)
- Letter of Good Standing (COIDA) (at contract/order award)
- CIDB (at contract/order award) Applicable for construction-related contracts.
- SD&L Undertaking (at RFQ closing deadline) Where applicable and provided by SD&L

*Note:

Where there is failure on the part of the supplier to submit a Certified copy of a Valid original B-BBEE certificate by stipulated deadline for purposes of evaluation and scoring, the tender submission will not be deemed non-responsive and disqualified exclusively for this reason, but will automatically score zero on B-BBEE for purposes of scoring and ranking (if otherwise deemed to be responsive and acceptable in all other aspects).

However, if these Certified copy of a Valid original B-BBEE certificate /affidavits etc are required as evidence to show compliance with pre-qualification criteria; and they are not provided at RFQ tender closing deadline; then the tender will be disqualified.



Request for Quote

Printed: 19.02.2022

Page:

5 of 26

Number:

6000321260

Date:

19.02.2022

VAT REG NO: 4740101508

NOTE:- COMPLETE ALL PAGES AND INDICATE UNIT PRICE NEXT TO EACH LINE ITEM IF QUOTED ON AND INDICATE NO QUOTE IF NOT QUOTED ON LINE ITEM. SUBMIT THE WHOLE RFQ DOCUMENTATION

SUPPLIER NAME: _____

ESKOM VENDOR NUMBER _____

COMPANY REGISTRATION NUMBER _____

SARS eFiling Pin Number _____

B-BBEE LEVEL _____

ADDRESS _____

TEL NO: _____

FAX NO: _____

E-MAIL: _____

National Treasury CSD number: _____

(Not compulsory for Foreign Suppliers)

Not accepting Eskom Holdings SOC Ltd General Conditions of Purchase will render quote non-responsive

DO YOU ACCEPT ESKOM HOLDINGS SOC LTD GENERAL CONDITIONS OF PURCHASE?

DELIVERY DATE OFFERED: _____

ARE DELIVERY CHARGES INCLUDED IN THE PRICE

Yes _____

No _____

DISCOUNT: (1) TRADE _____

(2) SETTLEMENT _____

ARE THE PRICE/S FIXED AND FIRM?

Yes _____

No _____

Freight Insurance: _____

FOB VALUE: _____

RATE OF EXCHANGE: _____



Request for Quote

Printed: 19.02.2022

Page:

Number:

Date:

6 of 26

6000321260

19.02.2022

VAT REG NO: 4740101508

QUOTATION VALIDITY PERIOD: 90 DAYS

PRINT NAME OF SUPPLIER: _____

TOTAL TENDER PRICE, EXCLUDING DELIVERY
AND VAT: _____

TOTAL TENDER PRICE INCLUDING DELIVERY BUT EXCLUDING VAT _____

TOTAL TENDERED PRICE, INCLUDING VAT _____

SIGNATURE _____
(Duly authorised to sign on behalf of the supplier)

DATE _____

Suppliers Must Comply with Eskom's Life Saving Rules while on site.

The vendor will be required to ensure that the following environmental requirements are complied with at all times (where applicable):-

1. Zero liquid effluent discharge.
2. No chemicals will be dumped into the station drains or on the premises.
3. No oil or waste will be dumped on an unauthorized area or unlicensed waste site.
4. Asbestos will be handled and stored according to Asbestos Regulation R155 of 2002 (or latest revision).
5. No materials or waste will be burnt on site. Hazardous substances shall be handled and stored according to the Hazardous substances. Regulation GN1179 of 1995 (or latest revision) Effluent shall not be discharged into public streams.

4. Technical Deviation

- i. Are there any technical Deviations: Yes _____ | No _____ (Mark Applicable)
- ii. If #Yes" above, did you submit a signed technical deviation? Yes _____ | No _____
(Mark Applicable)

Comment:

Item	Material	Description	Deliv. date
	RFQ quantity	Unit	

Item	Material	Description	Deliv. date
RFQ quantity	Unit		
00010	0636427	THERMOCOUPLE:K;12 MM;2080 M;NICR/NICKEL	
11	each	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 12 MM; DESIGN LENGTH: 2080 M; TEMPERATURE RANGE: -40 TO 1000 DEG C; SHEATH MATERIAL: NICR/NICKEL; PROCESS CONNECTION: 1/2 IN-NPT; JUNCTION: DOUBLE; HEAD: NO; NUMBER OF JUNCTIONS: 2; TSP121-Y0H2B1A05B1Y0Y5T1K2T2B2H4AKM5-W1W3W6-2080MM	
00020	0634198	THERMOCOUPLE:K;11 MM;1.203 MM;1	
11	each	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 11 MM; DESIGN LENGTH: 1.203 MM; TEMPERATURE RANGE: MAX 1100 DEG C; SHEATH MATERIAL: SS GR 316 TI; PROCESS CONNECTION: M14 X 1.5 MM; JUNCTION: UNGROUNDED; SPECIFICATION: IEC 584-2; NUMBER OF JUNCTIONS: 1; INSERTION LENGTH: 200MM; SERIES: TC88-AB9A1D1CA100	
00030	0636427	THERMOCOUPLE:K;12 MM;2080 M;NICR/NICKEL	
11	each	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 12 MM; DESIGN LENGTH: 2080 M; TEMPERATURE RANGE: -40 TO 1000 DEG C; SHEATH MATERIAL: NICR/NICKEL; PROCESS CONNECTION: 1/2 IN-NPT; JUNCTION: DOUBLE; HEAD: NO; NUMBER OF JUNCTIONS: 2; TSP121-Y0H2B1A05B1Y0Y5T1K2T2B2H4AKM5-W1W3W6-2080MM	
00040	0634198	THERMOCOUPLE:K;11 MM;1.203 MM;1	
11	each	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 11 MM; DESIGN LENGTH: 1.203 MM; TEMPERATURE RANGE: MAX 1100 DEG C; SHEATH MATERIAL: SS GR 316 TI; PROCESS CONNECTION: M14 X 1.5 MM; JUNCTION: UNGROUNDED; SPECIFICATION: IEC 584-2; NUMBER OF JUNCTIONS: 1; INSERTION LENGTH: 200MM; SERIES: TC88-AB9A1D1CA100	
00050	0636427	THERMOCOUPLE:K;12 MM;2080 M;NICR/NICKEL	
11	each	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 12 MM; DESIGN LENGTH: 2080 M; TEMPERATURE RANGE: -40 TO 1000 DEG C; SHEATH MATERIAL: NICR/NICKEL; PROCESS CONNECTION: 1/2 IN-NPT; JUNCTION: DOUBLE; HEAD: NO; NUMBER OF JUNCTIONS: 2; TSP121-Y0H2B1A05B1Y0Y5T1K2T2B2H4AKM5-W1W3W6-2080MM	
00060	0634198	THERMOCOUPLE:K;11 MM;1.203 MM;1	
11	each	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 11 MM; DESIGN LENGTH: 1.203 MM; TEMPERATURE RANGE: MAX 1100 DEG C; SHEATH MATERIAL: SS GR 316 TI; PROCESS	

Item	Material	Description	Deliv. date
RFQ quantity	Unit		
CONNECTION: M14 X 1.5 MM; JUNCTION: UNGROUNDED; SPECIFICATION: IEC 584-2; NUMBER OF JUNCTIONS: 1; INSERTION LENGTH: 200MM; SERIES: TC88-AB9A1D1CA100			
00070	0634196	THERMOCOUPLE:K;11 MM;300 MM;1	
12	each	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 11 MM; DESIGN LENGTH: 300 MM; TEMPERATURE RANGE: MAX 1100 DEG C; SHEATH MATERIAL: SS GR 316 TI; PROCESS CONNECTION: M14 X 1.5 MM; JUNCTION: UNGROUNDED; SPECIFICATION: DIN EN 60584; NUMBER OF JUNCTIONS: 1; INSERTION LENGTH: 200MM; SERIES: TC88-AB8A1D1CA100	
00080	0634146	THERMOCOUPLE:K;2 MM;2.512 MM;SS;2	
11	each	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 2 MM; DESIGN LENGTH: 2.512 MM; TEMPERATURE RANGE: MAX 1100 DEG C; SHEATH MATERIAL: SS; PROCESS CONNECTION: WITHOUT FITTING; JUNCTION: UNGROUNDED; SPECIFICATION: IEC 584-2; NUMBER OF JUNCTIONS: 2; SHEATH NOT NEEDED NECK BUILT ON SITE; INSERTION LENGTH: 2.312MM; SERIES: TC88-AB002X1CB10Y	
00090	0634145	THERMOCOUPLE:K;2 MM;2.139 MM;SS;2	
11	each	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 2 MM; DESIGN LENGTH: 2.139 MM; TEMPERATURE RANGE: MAX 1100 DEG C; SHEATH MATERIAL: SS; PROCESS CONNECTION: WITHOUT FITTING; JUNCTION: UNGROUNDED; SPECIFICATION: IEC 584-2; NUMBER OF JUNCTIONS: 2; SHEATH NOT NEEDED NECK BUILT ON SITE; INSERTION LENGTH: 1.939MM; SERIES: TC88-AB002X1CB10Y	
00100	0645341	VALVE RELF:35.911;25 MM;PN40	
6	each	VALVE, RELIEF: VALVE SIZE: 25 MM; SET PRESSURE: PN40; OPERATED: MECHANICAL ACTUATION; SUPPL P/N: 35.911	
00110	0624849	TRANSDUCER:HTGD485180R0002;I/P 12 MA	
4	each	Manufacturer part number HTGD485180R0002	Manuf. Manuf. pl. Rev. 1. 0011001961
TRANSDUCER: TYPE: INDUCTIVE LINEAR DISPLACEMENT; INPUT: 12 MA; OUTPUT: 4-20 MA; POWER SOURCE: 21.5-32 VDC; APPLICATION: TURBINE PLANT; OEM P/N: HTGD485180R0002, MANUFACTURER: GE STEAM POWER SERVICE; MANUF P/N: IW254/220-0.5-A123; DRAWING NO: GGMV800521V0025/24 REV 0; HTGD0252840003/50 REV 0; REFERENCE NO: SN829743			

Item	Material	Description	Unit	Deliv. date
	RFQ quantity			
00120	0565006	RELAY:REA107;ARC PROTECTION;220 VDC		
	2		each	
	RELAY: TYPE: ARC PROTECTION; COIL VOLTAGE: 220 VDC; CONTACT ARRANGEMENT: 1NO 1NC; CONTACT RATING: 1-5 A; ACTION: 2PST; TERMINAL: 8 SCREW CLAMP; MOUNT: PANEL; ENCLOSURE RATING: IP20; MANUF P/N: REA107; LIGHT UNIT			
00130	0637065	RELAY CTRL:100-240 VAC; 110-250 VDC;18NO		
	7		each	
	RELAY, CONTROL: CONTACT RATING: 100-240 VAC; 110-250 VDC; CONTACT ARRANGEMENT: 18NO; COIL VOLTAGE: 24-250 VDC; ACTION: (11) SPST; (6) DPST; (1) SPDT; MOUNT: BASE; TERMINAL: PLUG IN; CONTACT MATERIAL: PLASTIC; ENCLOSURE RATING: IP20; SPECIFICATION: IEC 61850; TYPE: MOTOR PROTECTION; SUPPL P/N: REM630-SBMBABABAAAZDANBXB; 23 BINARY INPUTS AND 18 BINARY OUTPUTS; 4U HALF 19IN HOUSING			
00140	0635254	BASE RLY:SOCKET;WD 38.1 MM;HT 26 MM		
	5		each	
	BASE, RELAY: TYPE: SOCKET; WIDTH: 38.1 MM; HEIGHT: 26 MM; MATERIAL: PLASTIC MOLDED; POTENTIAL: 250 VAC; CURRENT: 10 A; LENGTH: 75.3 MM; REFERENCE NO: 1SVR405660R0000; SUPPL P/N: CR-U3S; MOUNT: DIN RAIL; TERMINAL: 12 X SCREWS			
00150	0635253	BASE RLY:SOCKET;WD 37.3 MM;HT 26 MM		
	5		each	
	BASE, RELAY: TYPE: SOCKET; WIDTH: 37.3 MM; HEIGHT: 26 MM; MATERIAL: PLASTIC MOLDED; POTENTIAL: 250 VAC; CURRENT: 10 A; LENGTH: 75.3 MM; REFERENCE NO: 1SVR405670R0000; SUPPL P/N: CR-U2S; MOUNT: DIN RAIL; TERMINAL: 9 X SCREWS			
00160	0637194	CT:ISOLATION;0.72/3 KV;1 A;NATURAL;1 MM		
	5		each	
	TRANSFORMER, CURRENT: TYPE: ISOLATION; POTENTIAL: 0.72/3 KV; SHORT CIRCUIT CURRENT: 1 A; CORE TYPE: NATURAL; CREEPAGE: 1 MM; CURRENT: 1 A; APPARENT POWER: 2.5 VA; PHASE: 1; WINDING MATERIAL: CU; SPECIFICATION: IEC 60044-1; CURRENT RATIO: 1:1; CLASS: 0.5; SUPPL P/N: 1/1A 2.5VA CL0.5			
00170	0635252	MODULE PWR SUP:SWITCH MODE UNIT		
	10		each	
	Manufacturer part number CP-C.124/5.0			
	Manuf. Manuf. pl. Rev. 1.			

Item	Material	Description	Deliv. date
RFQ quantity	Unit		
MODULE, POWER SUPPLY: TYPE: SWITCH MODE UNIT; INPUT: 85-264 VAC; 100-350 VDC; OUTPUT: 22-28 VDC 5 A; APPLICATION: IED INPUT POWER SUPPLY; SPECIFICATION: ESKOM TSP 0131/TRMSCABK8; DRAWING NO: 1SVR360563R1001 REV 0; SUPPL P/N: CP-C.124/5.0; TERMINAL: SCREW; DIMENSIONS: WD 50 X LG 125 X DP 120 MM; LED INDICATOR FOR 24VDC OUTPUT			
00180	0237645	LAMP INCNDCT:230 VAC;AMBER	
5	each	LAMP, INCANDESCENT: POTENTIAL: 230 VAC; COLOR: AMBER; REFERENCE NO: CL-523Y	
00190	0635250	METER ELECT:RUNNING HOUR;0-99999.9 H	
6	each	METER, ELECTRICAL: TYPE: RUNNING HOUR; RANGE: 0-99999.9 H; READOUT: ANALOG; STYLE: SQ PANEL MOUNT; FACE SIZE: SQ 48 MM; SUPPL P/N: CP-H48; VOLTAGE: 220VAC/DC	
00200	0637083	TRANSDUCER:AC VOLTAGE;I/P 132 V;230 VAC	
8	each	TRANSDUCER: TYPE: AC VOLTAGE; INPUT: 132 V; OUTPUT: 4-20 MA; POWER SOURCE: 230 VAC; APPLICATION: MEASUREMENT VOLTAGE; SUPPL P/N: MI416; CLASS 0.5; MICROPROCESSOR CONTROL	
00210	0637077	RELAY:UNIVERSAL;230 VAC;3NO 3NC;11 PIN	
8	each	RELAY: TYPE: UNIVERSAL; COIL VOLTAGE: 230 VAC; CONTACT ARRANGEMENT: 3NO 3NC; CONTACT RATING: 10 A AC 12 AT 250 VAC; ACTION: (3) SPDT; TERMINAL: 11 PIN; MOUNT: BASE; ENCLOSURE RATING: IP40; CONTACT MATERIAL: AGNI; REFERENCE NO: 1SVR405622R3000; SUPPL P/N: CR-U230AC3/230VAC	
00220	0580253	CONTACTOR:B6.30.10, GJL1211001R8100;MINI	
12	each	CONTACTOR: TYPE: MINI; LINE VOLTAGE: 690VAC; 240VDC; COIL VOLTAGE: 240 VAC; CURRENT: 9-20 A; POLE: 3; ENCLOSURE RATING: IP20; SPECIFICATION: IEC 60947-1; CONTACT ARRANGEMENT: 1NO AUX; MAXIMUM CURRENT RATING: 9 A; MANUF P/N: B6.30.10, GJL1211001R8100	
00230	0570102	TRANSDUCER:MI 418-30525;CURRENT	
13	each	TRANSDUCER: TYPE: CURRENT; INPUT: 0-1 A; OUTPUT: 4-20 MA; POWER SOURCE:	

Item	Material	Description	Deliv. date
RFQ quantity	Unit		
220 VAC 1 PH 50 HZ; APPLICATION: 3.3 KV D/D PUMP RUNNING CURRENT; SPECIFICATION: CE520307; MANUF P/N: MI 418-30525; AC/PROGRAMMABLE			
00240	0637078	RELAY:UNIVERSAL;220 VDC;3NO 3NC;10 A	
10	each	RELAY: TYPE: UNIVERSAL; COIL VOLTAGE: 220 VDC; CONTACT ARRANGEMENT: 3NO 3NC; CONTACT RATING: 10 A; ACTION: SPDT; TERMINAL: 11 PIN; MOUNT: SOCKET; ENCLOSURE RATING: IP40; CONTACT MATERIAL: AGNI; REFERENCE NO: 1SVR405622R9100; SUPPL P/N: CR-U220DC3L	
00250	0637079	RELAY:UNIVERSAL;220 VDC;3NO 3NC;11 PIN	
12	each	RELAY: TYPE: UNIVERSAL; COIL VOLTAGE: 220 VDC; CONTACT ARRANGEMENT: 3NO 3NC; CONTACT RATING: 10 A AC 12 AT 230 VAC; ACTION: (3) SPDT; TERMINAL: 11 PIN; MOUNT: BASE; ENCLOSURE RATING: IP40; CONTACT MATERIAL: AGNI; REFERENCE NO: 1SVR405622R9000; SUPPL P/N: CR-U220DC3/220VDC	
00260	0637080	RELAY:UNIVERSAL;240 VDC;3NO 3NC;10 A	
5	each	RELAY: TYPE: UNIVERSAL; COIL VOLTAGE: 240 VDC; CONTACT ARRANGEMENT: 3NO 3NC; CONTACT RATING: 10 A; ACTION: SPDT; TERMINAL: 11 PIN; MOUNT: SOCKET; ENCLOSURE RATING: IP40; CONTACT MATERIAL: AGNI; REFERENCE NO: 1SVR405622R1000; SUPPL P/N: CR-U24DC3	
00270	0250727	RELAY:12-280 VDC;BASE	
18	each	RELAY: COIL VOLTAGE: 12-280 VDC; MOUNT: BASE; SUPPL P/N: PR-56512029-AA; RCPM1 17/18-27/28 DUAL UNIT	
00280	0639340	HANDLE DOOR:ZS1 MV SWITCHGEAR;LG 180 MM	
30	each	HANDLE, DOOR: TYPE: ZS1 MV SWITCHGEAR; SIZE: LG 180 MM; MATERIAL: PLASTIC; SUPPL P/N: 1VCR002091G0001	
00290	0639547	CONTACT AUX:CIRCUIT BREAKER FEEDBACK	
40	each	CONTACT, AUXILIARY: TYPE: CIRCUIT BREAKER FEEDBACK; CONTACT ARRANGEMENT: 15NO; CURRENT: 1 A; POTENTIAL: 660 VAC; 800 VDC; MATERIAL: PLASTIC; SUPPL P/N: BB1/-BB2/-BB3; USED ON VD4 AND VMAX	

Item	Material	Description	Deliv. date
RFQ quantity	Unit		
00300	0637081	RELAY:UNIVERSAL;230 VAC;3NO 3NC;10 A	
40	each	RELAY: TYPE: UNIVERSAL; COIL VOLTAGE: 230 VAC; CONTACT ARRANGEMENT: 3NO 3NC; CONTACT RATING: 10 A; ACTION: SPDT; TERMINAL: 11 PIN; MOUNT: SOCKET; ENCLOSURE RATING: IP40; CONTACT MATERIAL: AGNI; REFERENCE NO: 1SVR405622R3100; SUPPL P/N: CR-U230VAC3L	
00310	0637082	RELAY:UNIVERSAL;110 VAC;3NO 3NC;10 A	
40	each	RELAY: TYPE: UNIVERSAL; COIL VOLTAGE: 110 VAC; CONTACT ARRANGEMENT: 3NO 3NC; CONTACT RATING: 10 A; ACTION: SPDT; TERMINAL: 11 PIN; MOUNT: SOCKET; ENCLOSURE RATING: IP40; CONTACT MATERIAL: AGNI; REFERENCE NO: 1SVR405622R7000; SUPPL P/N: CR-U110AC3	
00320	0639341	HINGE:ZS1 LV SWITCHGEAR DOOR	
30	each	HINGE: TYPE: ZS1 LV SWITCHGEAR DOOR; DIMENSIONS: WD 75 X LG 80 MM; MATERIAL: METAL/PLASTIC; SUPPL P/N: GCE0990119P0100; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	
00330	0639342	HINGE:ZS1 MV SWITCHGEAR DOOR	
50	each	HINGE: TYPE: ZS1 MV SWITCHGEAR DOOR; DIMENSIONS: WD 75 X LG 80 MM; MATERIAL: METAL/PLASTIC; SUPPL P/N: 1VL7605172R0101; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	
00340	0637075	BLOCK TRMNL:500 VAC;20 A;4 MM;2;WD 6 MM	
50	each	BLOCK, TERMINAL: POTENTIAL: 500 VAC; CURRENT: 20 A; WIRE SIZE: 4 MM; CIRCUIT: 2; WIDTH: 6 MM; LENGTH: 52 MM; SPECIFICATION: IEC 60947-1; REFERENCE NO: 1SNA115168R2300; SUPPL P/N: M4/6-SNBD; BUILT-IN: 1N4007	
00350	0584294	BKR:2CDS251001R0024;253VAC/72VDC;2 A;1	
2	each	BREAKER, CIRCUIT: POTENTIAL: 253VAC/72VDC; CURRENT: 2 A; POLE: 1; WIDTH: 17.5 MM; LENGTH: 88 MM; HEIGHT: 75.8 MM; TYPE: MCB; MOUNT: DIN RAIL; INTERRUPT CAPACITY: 6 KA; MANUF P/N: 2CDS251001R0024; TRIPPING CHARACTERISTIC: C; DELAYED	

Item	Material	Description	Unit	Deliv. date
RFQ quantity				
THERMAL TRIPPING AND ELECTRO MECHANIC TRIPPING MECHANISMS FOR OVERLOAD AND SHORT CIRCUIT PROTECTION, RESPECTIVELY; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DOC NO: 240-118824127				
00360	0638849	BOARD PC:CONNECTION;SPEC NDPI-02	each	
2		BOARD, PRINTED CIRCUIT: TYPE: CONNECTION; SPECIFICATION: NDPI-02; SUPPL P/N: 3BHL000764P0001; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DOC NO: 240-118824127		
00370	0215296	MODULE:MODULE BUS CLUSTER;24 VDC;ACS500	each	
1		MODULE: TYPE: MODULE BUS CLUSTER; POWER SOURCE: 24 VDC; APPLICATION: ACS500; DIMENSIONS: WD 58 X HT 170 X DP 122 MM; REFERENCE NO: TB820 V2, UNK; SUPPL P/N: 3BSE013208R1; DIGITAL DATA INPUT/OUTPUT; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DOC NO: 240-118824127		
00380	0580043	MODULE:3BSE008508R0001;DIGITAL INPUT	each	
1		MODULE: TYPE: DIGITAL INPUT; POWER SOURCE: 24VDC 6MA; MANUF P/N: 3BSE008508R0001; REFERENCE NO: DI810; 16 CHANNEL; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DOC NO: 240-118824127		
00390	0590706	CARD NETW:DIGITAL OUTPUT;16 CHANNELS	each	
1		CARD, NETWORK: TYPE: DIGITAL OUTPUT; INTERFACE TYPE: 16 CHANNELS; MANUF P/N: 3BSE008510R0001; CURRENT SOURCING OUTPUTS: 16 CHANNELS; VOLTAGE SUPERVISION: 2 ISOLATED GROUPS OF 8; SHORT CIRCUIT PROTECTION: OUTPUT STATUS INDICATORS; OVERVOLTAGE AND OVER TEMPERATURE PROTECTION: EMC PROTECTION; DIN RAIL MOUNTING; 24VDC; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DOC NO: 240-118824127; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		
00400	0584307	MODULE:3BSE008516R0001;I/P 0/4-20 MA	each	
1		MODULE: TYPE: UNIPOLAR SINGLE ENDED; INPUT: 0/4-20 MA; MANUF P/N: 3BSE008516R0001; ANALOGUE INPUT; 8 CHANNELS; UNDER RANGE: -5%; OVER RANGE:		

Item	Material	Description	Deliv. date
RFQ quantity	Unit		
15%; A1810; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DOC NO: 240-118824127			
00410	0584309	MODULE:3BSE008544R0001;I/P 0/4-20 MA	
1	each	MODULE: TYPE: BIPOLAR DIFFERENTIAL; INPUT: 0/4-20 MA; MANUF P/N: 3BSE008544R0001; ANALOGUE INPUT; UNDER/OVER VOLTAGE RANGE: +-15%; 4X1 CHANNELS; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DOC NO: 240-118824127	
00420	0607694	BOARD PC:VOLTAGE SUBPRINT	
1	each	BOARD, PRINTED CIRCUIT: TYPE: VOLTAGE SUBPRINT; SUPPL P/N: 3BHE021951R0124	
00430	0607693	BOARD PC:MOTOR CONTROL	
1	each	BOARD, PRINTED CIRCUIT: TYPE: MOTOR CONTROL; SUPPL P/N: 3BHE024577R0101	
00440	0641108	MODULE:PCI GPS CARD;CEP VSD	
2	each	MODULE: TYPE: PCI GPS CARD; APPLICATION: CEP VSD; SUPPL P/N: 3BHE015541R0002	
00450	0642067	SENSOR TEMP:0-100 DEG C;2 WIRE;BASE	
2	each	SENSOR, TEMPERATURE: MAXIMUM OPERATING TEMP: 0-100 DEG C; STYLE DESIGNATOR: 2 WIRE; MOUNT: BASE; SUPPL P/N: 3BHB015149R1001	
00460	0641103	SWITCH PRESS:AIR DIFFERENTIAL;1.5 A	
2	each	SWITCH, PRESSURE: TYPE: AIR DIFFERENTIAL; RANGE: -1 TO 110 PSI; POTENTIAL: 120-240 VAC; CURRENT: 1.5 A; ACTION: SPST; CONNECTION: FLANGE; CONTACT ARRANGEMENT: 1NO 1NC; SUPPL P/N: 3BHL000749P0001	
00470	0642066	MODULE:RTD CONVERTER;CEP VSD	
2	each	MODULE: TYPE: RTD CONVERTER; APPLICATION: CEP VSD; SUPPL P/N: 3BHB017641R0001	

Item	Material	Unit	Description	Deliv. date
	RFQ quantity			
00480	0642070		CAPACITOR:FILM;1 UF;4950 V	
	2	each	CAPACITOR: TYPE: FILM; CAPACITANCE: 1 UF; POTENTIAL: 4950 V; SUPPL P/N: 3BHL000606P0001	
00490	0643966		SOCKET ELECT:2 PIN PLUS E	
	2	each	SOCKET, ELECTRICAL: CONFIGURATION: 2 PIN PLUS E; SUPPL P/N: 3BHB018764R0001	
00500	0641112		RELAY SLD STATE:PROTECTION;220 VAC	
	1	each	Manufacturer part number 3BHB017693R0001	
			Manuf. Manuf. pl. Rev. 1.	
			RELAY, SOLID STATE: TYPE: PROTECTION; COIL VOLTAGE: 220 VAC; CONTACT RATING: 150 V 10 A; POTENTIAL: 115-230 VAC; CURRENT: 0.2 A; CONTACT ARRANGEMENT: 2NO 2NC; ACTION: SPDT; MOUNT: PANEL; SPECIFICATION: DB-5935; SUPPL P/N: 3BHB017693R0001	
00510	0584303		BOARD PC:3BHE003604R0102	
	1	each	BOARD, PRINTED CIRCUIT: TYPE: DETECT FIRST EARTH FAULT; MANUF P/N: 3BHE003604R0102; INPUT VOLTAGE: 24VDC +- 10%; OUTPUT VOLTAGE: 15V +- 5%; OUTPUT DATA FORMAT: ACTIVE LOW SIGNAL; OPERATING TEMPERATURE: 0-70 DEG CEL; 2-LAYER PCB, ONE SIDE ASSEMBLY	
00520	0607695		BOARD PC:VOLTAGE LEVEL DETECTION	
	1	each	BOARD, PRINTED CIRCUIT: TYPE: VOLTAGE LEVEL DETECTION; SUPPL P/N: 3BHE009017R0102	
00530	0645113		RESISTOR:3.33 MOHM;SPEC SSX-26	
	1	each	RESISTOR: RESISTANCE: 3.33 MOHM; SPECIFICATION: SSX-26; SUPPL P/N: 3BHB016790R0001	

Item	Material		Description	
	RFQ quantity	Unit		Deliv. date
00540	0644820		PUSH BUTTON: CLEAR MODULAR	
	1	each	PUSH BUTTON: TYPE: CLEAR MODULAR; MODEL NO: MP1-31C; SUPPL P/N: 1SFA611100R3108; MOMENTARY; FLUSH; ILLUMINATED; CHROME METAL; NO CONTACT BLOCK	
00550	0584299		LAMP LED: 1SFA616921R2025; 24 VDC; WHITE	
	2	each	LAMP, LIGHT EMITTING DIODE: POTENTIAL: 24 VDC; COLOR: WHITE; BASE TYPE: MODULAR LAMP BLOCK; CURRENT: 15 MA; MANUF P/N: 1SFA616921R2025	
00560	0646372		DIODE LGHT EMIT	
	1	each	DIODE, LIGHT EMITTING: SUPPL P/N: 1SFA616901R9004	
00570	0644821		PUSH BUTTON: BLUE MODULAR	
	1	each	PUSH BUTTON: TYPE: BLUE MODULAR; MODEL NO: MP1-31L; SUPPL P/N: 1SFA611100R3104	
00580	0584298		LAMP LED: 1SFA616921R2024; 24 VDC; BLUE	
	1	each	LAMP, LIGHT EMITTING DIODE: POTENTIAL: 24 VDC; COLOR: BLUE; BASE TYPE: MODULAR LAMP BLOCK; CURRENT: 15 MA; MANUF P/N: 1SFA616921R2024	
00590	0645122		TRFR INSTR	
	1	each	TRANSFORMER, INSTRUMENT: SUPPL P/N: 3BHB015646R0001	
00600	0645123		VT	
	1	each	TRANSFORMER, POTENTIAL: SUPPL P/N: 3BHB017690R0001	
00610	0584305		BOARD PC: 3BHE021083R0101	
	1	each	BOARD, PRINTED CIRCUIT: TYPE: HIGH VOLTAGE DIVIDER; FEATURES: COATED/VARNISHED; MANUF P/N: 3BHE021083R0101	

Item	Material		Description	
	RFQ quantity	Unit		Deliv. date
00620	0584306		BOARD PC:3BHB011555R0001;SPEC IEC 60939	
	1	each	BOARD, PRINTED CIRCUIT: TYPE: GENERAL PURPOSE FILTERING; SPECIFICATION: IEC 60939; MANUF P/N: 3BHB011555R0001; FN 2010-60-24; RATED CURRENT: 60A AT 40 DEG CEL AND 69A AT 25 DEG CEL; OPERATING VOLTAGE: 250VAC; LEAKAGE CURRENT: 0.87MA AT 230VAC/50HZ	
00630	0641114		RELAY CTRL:12 A;1NO 1NC;110 VAC;SPDT	
	2	each	RELAY, CONTROL: CONTACT RATING: 12 A; CONTACT ARRANGEMENT: 1NO 1NC; COIL VOLTAGE: 110 VAC; ACTION: SPDT; MOUNT: DIN RAIL; TERMINAL: SCREW; CONTACT MATERIAL: AG PLTD; ENCLOSURE RATING: OPEN; TYPE: HIGH VOLTAGE; SUPPL P/N: 3BHL000986P4000	
00640	0638850		MODULE:PROFIBUS ADAPTER;ACS5000	
	1	each	MODULE: TYPE: PROFIBUS ADAPTER; APPLICATION: ACS5000; SPECIFICATION: NPBA-12; SUPPL P/N: 3BHL000510P0012; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DOC NO: 240-118824127	
00650	0607692		BOARD PC:MAIN CIRCUIT INTERFACE BOARD	
	1	each	BOARD, PRINTED CIRCUIT: TYPE: MAIN CIRCUIT INTERFACE BOARD; SUPPL P/N: 3BHE024855R0101	
00660	0579868		MODULE:3BSE008514R0001;DIGITAL OUTPUT	
	4	each	MODULE: TYPE: DIGITAL OUTPUT; MANUF P/N: 3BSE008514R0001; REFERENCE NO: D0820	
00670	0584301		BOARD PC:3BHB007209R0105	
	2	each	BOARD, PRINTED CIRCUIT: TYPE: ADJUSTABLE VOLTAGE DIVIDER; FEATURES: PLUG-IN SUBBOARD; MANUF P/N: 3BHB007209R0105; SVA SUB-BOARD ADJUSTS THE VOLTAGE LEVELS OF THE ANALOGUE VOLTAGE INPUTS OF THE CVM1 BOARD UF C762 USED ON ACS5000 TYPE 1; GENERATES THE OVER VOLTAGE DETECTION THRESHOLD VAUES; VOLTAGE RANGE: 0-3700V, VREP: 4.273V; 3-INPUT CHANNELS	

Item	Material		Description	
	RFQ quantity	Unit		Deliv. date
00680	0584302		BOARD PC:3BHB007211R0115	
	2	each	BOARD, PRINTED CIRCUIT: TYPE: ADJUSTABLE INPUT ANALOGUE CURRENTS; FEATURES: PLUG-IN SUB-BOARD; MANUF P/N: 3BHB007211R0115; SCA SUB-PRINT ADJUSTS THE CURRENT LEVELS OF THE ANALOGUE CURRENT INPUTS IN COMBINATION WITH ITS MOTHERBOARD CVM1:UF C762; GENERATES THE OVER CURRENT DETECTION THRESHOLD VAUES; CURRENT RANGE: -650 TO 6501, VREFA: 4.387V, VREFB: 0.1126V; 5-INPUT CHANNELS FOR MEASUREMENT SCALING	
00690	0642072		CAPACITOR:FILM;0.1 UF;4500 V	
	2	each	CAPACITOR: TYPE: FILM; CAPACITANCE: 0.1 UF; POTENTIAL: 4500 V; SUPPL P/N: 3BHB024772R0001	
00700	0642071		CAPACITOR:FILM;0.5 UF;5000 V	
	2	each	CAPACITOR: TYPE: FILM; CAPACITANCE: 0.5 UF; POTENTIAL: 5000 V; SUPPL P/N: 3BHB015946R0010	
00710	0645111		PLUG ELECT:3P/PE	
	1	each	PLUG, ELECTRICAL: POLE: 3P/PE; SUPPL P/N: 3BHB022165R0001; UNIBOX 500 INCL CONNECTOR	
00720	0645116		RESISTOR:1.5 OHM	
	2	each	RESISTOR: RESISTANCE: 1.5 OHM; SUPPL P/N: 3BHB026354R0001	
00730	0645118		RESISTOR	
	2	each	RESISTOR: SUPPL P/N: 3BHB019466R0001	
00740	0641110		TRANSDUCER:CURRENT;I/P -5 TO 5 MA	
	2	each	TRANSDUCER: TYPE: CURRENT; INPUT: -5 TO 5 MA; OUTPUT: 0-20 MA DC; POWER SOURCE: 120 VAC 60 HZ; APPLICATION: CEP VSD; SUPPL P/N: 3BHE017739R0001	

Item	Material	Description	Unit	Deliv. date
RFQ quantity				
00750	0583414	CONTACT AUX:S2C-H6R;MCB;1NO 1NC;4 A	each	
2		CONTACT, AUXILIARY: TYPE: MCB; CONTACT ARRANGEMENT: 1NO 1NC; CURRENT: 4 A; POTENTIAL: 400 VAC; MATERIAL: PLASTIC; CLASSIFICATION: EC001286; ATTACHMENT METHOD: PIN; CONNECTION: SCREW; SPECIFICATION: IEC 60947-5-1; MANUF P/N: S2C-H6R, MANUFACTURER: ABB; REFERENCE NO: 2CDS200912R0001, ABB; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DOC NO: 240-118824127		
00760	0636773	DIODE:RECTIFIER;DS1112SG60;2.1 V	each	
6		DIODE: TYPE: RECTIFIER; INDUSTRY STANDARD: DS1112SG60; POTENTIAL: 2.1 V; SUPPL P/N: 3BHB023235R0001; VRRM 6000V; VFM 2.1V; IF(AV) 811A; FOR USE ON VSD ACS 5000		
00770	0584289	POWER SUPPLY:3BHB017688R0001;10 A	each	
3		POWER SUPPLY: INPUT: 230VAC 280VDC; OUTPUT VOLTAGE: 30-40VDC/AC; OUTPUT CURRENT: 10 A; APPLICATION: ABB ACS 5000 VSD; DIMENSIONS: WD 170 X HT 165 X LG 200 MM; TYPE: INSULATED; MOUNTING: PANEL; MANUF P/N: 3BHB017688R0001; SHORT CIRCUIT CURRENT: 6A; IPS21-35AD; MAX CONT OUTPUT POWER (ALL CHANNELS): 280W; MAX CONT OUTPUT POWER (ONE CHANNEL): 140W; FIBER OPTIC STATUS SIGNAL		
00780	0584295	BKR CCT LV:2CDS251001R0104;DIN RAIL;MCB	each	
7		BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MCB; POLES: 1; CURRENT RATING: 10 A; VOLTAGE PROTECTION LEVEL: 440 V; RATED INSULATION VOLTAGE: 440 V; IMPULSE WITHSTAND VOLTAGE: 4 KW; SHORT TIME CURRENT: 6 KA; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 10 KA; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 10 KA; POLLUTION CLASS: 3; ENCLOSURE RATING: IP20; SPECIFICATION: IEC 60898-1;IEC 60947-2; APPLICATION: VSD PROTECTION; PROTECTION: SHORT CIRCUIT; MANUF P/N: 2CDS251001R0104; TRIPPING CHARACTERISTIC: C; POWER LOSS: 2.1W PER POLE; MECHANICAL AND ELECTRICAL ENDURANCE 20 000 CYCLES; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DOC NO: 240-118824127		
00790	0642069	CAPACITOR:FILM;2 UF;4950 V	each	
4		CAPACITOR: TYPE: FILM; CAPACITANCE: 2 UF; POTENTIAL: 4950 V; SUPPL P/N: 3BHL000606P0002		

Item	Material		Description	
	RFQ quantity	Unit		Deliv. date
00800	0644818		RESISTOR:10 OHM;2 KV;5 PCT;DRY;30 A	
	4	each	RESISTOR: RESISTANCE: 10 OHM; RATING: 2 KV; TOLERANCE: 5 PCT; TYPE: DRY; CURRENT: 30 A; SUPPL P/N: 3BHL000406P0001	
00810	0645115		RESISTOR	
	4	each	RESISTOR: SUPPL P/N: 3BHB017682R0016	
00820	0645117		RESISTOR:7.2 OHM;PARALLEL	
	4	each	RESISTOR: RESISTANCE: 7.2 OHM; TYPE: PARALLEL; SUPPL P/N: 3BHB019461R0001	
00830	0631853		DIODE:INDUSTRIAL RECTIFIER;5SDF0260D0001	
	6	each	DIODE: TYPE: INDUSTRIAL RECTIFIER; INDUSTRY STANDARD: 5SDF0260D0001; POTENTIAL: 6 KV; CURRENT: 8 A; SUPPL P/N: 3BHL000206P0001; 38MM/6KV	
00840	0645112		RESISTOR:20 KV	
	7	each	RESISTOR: RATING: 20 KV; SUPPL P/N: 3BHL000406P0102	
00850	0630339		THYRISTOR:RC-IGCT;161 A;RC-IGCT 5SHX	
	8	each	THYRISTOR: TYPE: RC-IGCT; CURRENT: 161 A; INDUSTRY STANDARD: RC-IGCT 5SHX; POTENTIAL: 1920 KV; SUPPL P/N: 3BHB018104R001	
00860	0645114		RESISTOR:40 KA	
	9	each	RESISTOR: RATING: 40 KA; SUPPL P/N: 3BHL000406P0103	
00870	0620127		TRANSMITTER FLW:53P1F-EAGB1AAOAAAA	
	4	each	Manufacturer part number 53P1F-EAGB1AAOAAAA	Manuf. Manuf. pl. Rev. 1.

TRANSMITTER, FLOW: TYPE: ELECTROMAGNETIC; RANGE: 0-320 M3/HR; OUTPUT:

Item	Material	Description	Deliv. date
RFQ quantity	Unit		
4-20 MA; SUPPLY: 85-240 VAC; WORKING PRESSURE: 40 BAR; CONNECTION: FLANGE; BODY MATERIAL: SS GR 37-2/410WB; ELECTRICAL CONNECTION: M20 LUG; APPLICATION: RECYCLE WATER; ENCLOSURE: IP67; CLASSIFICATION: NON HAZARDOUS; OEM P/N: 53P1F-EAGB1AAOAAAA; ENDRESS AND HAUSER BRAND SUPPORTED IN ESKOM DOCUMENT NO: 203-12541; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
00880	0646408	TRANSMITTER FLW	
2	each	TRANSMITTER, FLOW: SUPPL P/N: HD2KZ-015GM025; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	
00890	0621772	TRANSMITTER LVL:0-400 MM;O/P 0-20 MA	
2	each	TRANSMITTER, LEVEL: RANGE: 0-400 MM; OUTPUT: 0-20 MA; SUPPLY: 24 VDC; CONNECTION: 2 IN-BSP; WORKING PRESSURE: 4 MPA; TYPE: LOW/MEDIUM/HIGH; BODY MATERIAL: SS GR 316L; APPLICATION: OIL TANK; MOUNT: BSP; ENCLOSURE: IP65; SUPPL P/N: AVR2IN-VK10/TS-L400/12-V52R	
00900	0645212	TRANSMITTER LVL:CAPACITIVE LEVEL PROBE	
2	each	TRANSMITTER, LEVEL: TYPE: CAPACITIVE LEVEL PROBE; SUPPL P/N: FMI51-A1EGEJB3Y1A1	
00910	0644654	TRANSMITTER LVL:82;0-1750 MM;O/P 4-20 MA	
2	each	TRANSMITTER, LEVEL: RANGE: 0-1750 MM; OUTPUT: 4-20 MA; SUPPLY: 9.6-35 VDC; CONNECTION: CABLE GLAND M20 X 1.5; WORKING PRESSURE: -1 TO 16 BAR; TYPE: MEASUREMENT; BODY MATERIAL: PLASTIC; DIAPHRAGM MATERIAL: CERAMIC; ELECTRICAL CONNECTION: TERMINALS; MOUNT: FLANGE; MANUF P/N: 82; REFERENCE NO: FX82-AXHDMFHXXMXX; 2 WIRE; VEGAFLEX	
00920	0659024	VALVE SLND:G1/4 IN;2 WAY;24 VDC;10 BAR	
10	each	Manufacturer part number SCG551A001-MS	Manuf. Manuf. pl. Rev. 1.
VALVE, SOLENOID: PIPE SIZE: G1/4 IN; STYLE: 2 WAY; POTENTIAL: 24 VDC; DESIGN RATING: 10 BAR; CONNECTION: 11 MM; BODY MATERIAL: BLACK ANODIZED AL; OPERATED: PILOT AIR/RETURN SPRING; ENCLOSURE RATING: IP65; MEDIUM: FLUIDS;			

Item	Material		Description	
	RFQ quantity	Unit		Deliv. date
ORIFICE SIZE: 6 MM; SPECIFICATION: EN175301-803; SUPPL P/N: SCG551A001-MS				
00930	0644654		TRANSMITTER LVL:82;0-1750 MM;O/P 4-20 MA	
	2	each	TRANSMITTER, LEVEL: RANGE: 0-1750 MM; OUTPUT: 4-20 MA; SUPPLY: 9.6-35 VDC; CONNECTION: CABLE GLAND M20 X 1.5; WORKING PRESSURE: -1 TO 16 BAR; TYPE: MEASUREMENT; BODY MATERIAL: PLASTIC; DIAPHRAGM MATERIAL: CERAMIC; ELECTRICAL CONNECTION: TERMINALS; MOUNT: FLANGE; MANUF P/N: 82; REFERENCE NO: FX82-AXHDMFHXXMXX; 2 WIRE; VEGAFLEX	
00940	0645203		TRANSMITTER TEMP	
	3	each	TRANSMITTER, TEMPERATURE: SUPPL P/N: TEF05A	
00950	0653272		TRANSMITTER TEMP:AUXILIARY BOILER	
	1	each	Manufacturer part number SP-KUS-F2-05520	Manuf. Manuf. pl. Rev. 1.
TRANSMITTER, TEMPERATURE: APPLICATION: AUXILIARY BOILER; SUPPL P/N: SP-KUS-F2-05520				
00960	0653346		INDICATOR SGHT FLW	
	1	each	Manufacturer part number VZO25S	Manuf. Manuf. pl. Rev. 1.
INDICATOR, SIGHT FLOW: SUPPL P/N: VZO25S				
00970	0653285		TRANSMITTER LVL	
	1	each	Manufacturer part number SP-KUS-F2-05521	Manuf. Manuf. pl. Rev. 1.
TRANSMITTER, LEVEL: APPLICATION: VENT VALVE OIL RETURN TANK; SUPPL P/N: SP-KUS-F2-05521				
00980	0645870		SWITCH	
	1	each	Manufacturer part number	Manuf. Manuf. pl. Rev. 1.

Item	Material		Description	
	RFQ quantity	Unit		Deliv. date
			SP-KUS-F2-05522	
			TRANSMITTER, PRESSURE: TYPE: INDICATOR; APPLICATION: AUXILIARY BOILER 1-3 SUPERHEATED STEAM MANIFOLD; SUPPL P/N: SP-KUS-F2-05522	
01040	0653281		TRANSMITTER FLW:INDICATOR	
	1	each		
	Manufacturer part number		Manuf.	Manuf. pl. Rev. 1.
	SP-KUS-F2-05523			
			TRANSMITTER, FLOW: TYPE: INDICATOR; APPLICATION: AUXILIARY BOILER 1-3 SUPER HEATER COMMON OUTLET; SUPPL P/N: SP-KUS-F2-05523; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	
01050	0653272		TRANSMITTER TEMP:AUXILIARY BOILER	
	1	each		
	Manufacturer part number		Manuf.	Manuf. pl. Rev. 1.
	SP-KUS-F2-05520			
			TRANSMITTER, TEMPERATURE: APPLICATION: AUXILIARY BOILER; SUPPL P/N: SP-KUS-F2-05520	
01060	0653346		INDICATOR SGHT FLW	
	1	each		
	Manufacturer part number		Manuf.	Manuf. pl. Rev. 1.
	VZO25S			
			INDICATOR, SIGHT FLOW: SUPPL P/N: VZO25S	
01070	0653285		TRANSMITTER LVL	
	1	each		
	Manufacturer part number		Manuf.	Manuf. pl. Rev. 1.
	SP-KUS-F2-05521			
			TRANSMITTER, LEVEL: APPLICATION: VENT VALVE OIL RETURN TANK; SUPPL P/N: SP-KUS-F2-05521	
01080	0645870		SWITCH	
	1	each		
	Manufacturer part number		Manuf.	Manuf. pl. Rev. 1.

Item	Material		Description	
	RFQ quantity	Unit		Deliv. date
SP-KUS-F2-22058				

SWITCH: SUPPL P/N: SP-KUS-F2-22058				

01090	0653348		TRANSMITTER LVL:INIDCATOR	
	1	each		
Manufacturer part number			Manuf.	Manuf. pl. Rev. 1.
NIVOMAT-FSG				

TRANSMITTER, LEVEL: TYPE: INIDCATOR; APPLICATION: AUXILIARY BOILER 1-3				
FEEDWATER TANK; SUPPL P/N: NIVOMAT-FSG; WITH NIVEAUCONVERTER 4-20 MA				

01100	0653350		TRANSMITTER FLW:INDICATOR	
	1	each		
Manufacturer part number			Manuf.	Manuf. pl. Rev. 1.
72F1H/72F1H-SE1AARAAA4AA				

TRANSMITTER, FLOW: TYPE: INDICATOR; APPLICATION: AUXILIARY BOILER 1-3				
DEMIN WATER; SUPPL P/N: 72F1H/72F1H-SE1AARAAA4AA; VENDORS ARE RESPONSIBLE				
FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING				
REVISION NUMBER (IF APPLICABLE).				

01110	0153402		THERMOMETER:INDICATING;0-70 DEG C	
	1	each		
Manufacturer part number			Manuf.	Manuf. pl. Rev. 1.
PE02-40-00				

THERMOMETER: TYPE: INDICATING; RANGE: 0-70 DEG C; GRADUATIONS: 0.2 BAR;				
SUPPL P/N: PE02-40-00; PE2ADM/PE2/2ADMSQ; SPARES FOR THIEDIG SAMPLE COOLER				

01120	0645877		INDICATOR:RESISTANCE THERMOMETER	
	1	each		
Manufacturer part number			Manuf.	Manuf. pl. Rev. 1.
SP-KUS-F2-22036				

INDICATOR: TYPE: RESISTANCE THERMOMETER; RANGE: 0-100 DEG C; SCALE:				
GRADIENT; SPECIFICATION: TR88+TMT182+TW; SUPPL P/N: SP-KUS-F2-22036				

01130	0653282		TRANSMITTER PRESS:INDICATOR	
	1	each		
Manufacturer part number			Manuf.	Manuf. pl. Rev. 1.



Request for Quote

Printed: 19.02.2022

Page:

26 of 26

Number:

6000321260

Date:

19.02.2022

VAT REG NO: 4740101508

Item	Material		Description	
	RFQ quantity	Unit		Deliv. date
SP-KUS-F2-05522				
TRANSMITTER, PRESSURE: TYPE: INDICATOR; APPLICATION: AUXILIARY BOILER 1-3 SUPERHEATED STEAM MANIFOLD; SUPPL P/N: SP-KUS-F2-05522				
01140	0653281		TRANSMITTER FLW:INDICATOR	
	1	each		
Manufacturer part number			Manuf.	Manuf. pl. Rev. 1.
SP-KUS-F2-05523				
TRANSMITTER, FLOW: TYPE: INDICATOR; APPLICATION: AUXILIARY BOILER 1-3 SUPER HEATER COMMON OUTLET; SUPPL P/N: SP-KUS-F2-05523; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				