Technical specification for Items no. 186750

1. SCOPE

Line	NEK Item Number	Part Number	UOM	Quantity	Need by Date	Safety Classification
1	320427	SURE 150-15 CCW + SCC10-15/230V	EA	2	1-Jan-26	SR
	ACTUATOR, FOR DAMPER,TYPE:RCS SURE 150-15,VOLTS:230VAC 50 HZ,TORQUE:136NM,ROTATION:CW TO CLOSE,SPRING FAIL CCW TO OPEN, WITH SCC10-15/230V CONTROLLER, MODULATION:4-20MA,SC:SR					
	MFG: DRESSER NATURAL GAS SOLUTIONS, 16240 PORT NW DR 100, HOUSTON, TX 77041, USA, United States Item shall be supplied in accordance with the following TQRs: A00, A07, B00, B01, B04, B06, B07, B08, C00, C01, F00, F02, F40, F50, F51, F521, F57, F59, F90, G00, G02, G03 The following documents and/or records shall be submitted with the above item: G04 - THE CERTIFICATE OF CONFORMANCE G13 - CERTIFICATION OF QUALIFICATION G22 - NONCONFORMANCE REPORTS G71 - STATEMENT OF PART INTERCHANGEABILITY G811 - COMMERCIAL GRADE ITEM DEDICATION (CGDI) PLAN G812 - DEDICATION TEST RECORD G814 DEDICATION TEST RECORD NUMBER GC1 - CERTIFICATE OF ORIGIN GP4 - PRODUCT DATA SHEET X100 - EQ EQUIPMENT X15 - SEISMIC TEST REPORT X17 - SUPPLEMENT DOCUMENTS					
2	320426	SCC10-15/230V	EA	2	1-Jan-26	SR
	CONTROLLER.ANALOG;TYPE:SCC10;VOLTS:230VAC 50 HZ;MODULATION:4-20MA,SC:SR					
	MFG: DRESSER NATURAL GAS SOLUTIONS, 16240 PORT NW DR 100, HOUSTON, TX 77041, USA, United States Item shall be supplied in accordance with the following TQRs: A00, A07, B00, B01, B04, B06, B07, B08, C00, C01, F00, F02, F40, F50, F51, F521, F57, F59, F90, G00, G02, G03 The following documents and/or records shall be submitted with the above item: G04 - THE CERTIFICATE OF CONFORMANCE G13 - CERTIFICATION OF QUALIFICATION G22 - NONCONFORMANCE REPORTS G71 - STATEMENT OF PART INTERCHANGEABILITY G811 - COMMERCIAL GRADE ITEM DEDICATION (CGDI) PLAN G812 - DEDICATION TEST RECORD G814 DEDICATION TEST RECORD NUMBER GC1 - CERTIFICATE OF ORIGIN GP4 - PRODUCT DATA SHEET X100 - EQ EQUIPMENT X15 - SEISMIC TEST REPORT X17 - SUPPLEMENT DOCUMENTS					

Registration: Krško District Court, entry number: 1000120000; Share Capital: 353.544.826,00 EUR
VAT Identification Number: SI61082597 Tax Number: 61082597 Registration Number: 5034345000
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SI56 0292 4001 8793 453 (NLB d.d.); SI56 0400 1004 8892 548 (OTP banka d.d.);
SI56 1010 0005 7820 337 (Banka Intesa Sanpaolo d.d.); SI56 3400 0102 2600 457 (Banka Sparkasse d.d.)

2. TECHNICAL AND QUALITY REQUIREMENTS

IMPORTANT:
The quotation has to include Statement of Compliance with the Technical and Quality Requirements from Purchaser's RFQ including the Bidder's commitment to provide requested documents and/or records. If any of these requirements cannot be fulfilled, please, provide the explanation.

A00 - GENERAL REQUIREMENTS
ALL REQUIRED DOCUMENTS SHALL BE SUPPLIED IN ENGLISH OR ENGLISH/ MULTILINGUAL.

A07 - NEW ITEMS
ALL ITEM(S) PROVIDED ON THIS PURCHASE ORDER SHALL BE SUPPLIED IN THE NEW CONDITION (NOT USED OR REFURBISHED IN ANY WAY).

B00 - QUALITY ASSURANCE REQUIREMENTS

B01 - QUALITY ASSURANCE PROGRAM
ALL SERVICES AND ITEMS, INCLUDING THOSE WHICH HAVE TO COMPLY WITH ASME CODE REQUIREMENTS, SHALL BE SUPPLIED IN ACCORDANCE WITH A QUALITY ASSURANCE PROGRAM THAT COMPLIES WITH 10CFR50 APPENDIX B AND ANSI N45.2-1977 OR ASME NQA-1, AND THAT HAS BEEN PREVIOUSLY EVALUATED AND ACCEPTED BY NEK.

B04 - SUPPLIER QA MANUAL CONTROLLED DISTRIBUTION
IF A CONTROLLED COPY OF THE LATEST REVISION OF THE SUPPLIER'S QUALITY ASSURANCE PROGRAM MANUAL HAS NOT BEEN PREVIOUSLY SENT TO NEK, SUBMIT A COPY OF THIS DOCUMENT TO:

LUKA MIKELIĆ, QUALITY & NUCLEAR OVERSIGHT DIRECTOR
tel.:++386 748 02 429
E-mail:luka.mikelic@nek.si

IF A REVISION TO THE SUPPLIER'S QUALITY ASSURANCE MANUAL IS MADE DURING THE CONDUCT OF WORK ASSOCIATED WITH THIS ORDER, A COPY OF THE REVISION SHALL BE SUBMITTED TO THE ABOVE ADDRESS PRIOR TO IMPLEMENTATION OF THE CHANGE.

B06 - 10CFR21 REPORTING
THIS ORDER IS SUBJECT THE PROVISIONS OF THE TITLE 10 OF THE U.S. CODE OF FEDERAL REGULATIONS PART 21, REPORTING OF DEFECTS AND NONCOMPLIANCE, REPORTING PURSUANT TO 10CFR21 SHALL BE MADE TO:

STANKO MANOJLOVIC , ENGINEERING SUPPORT FOR LONG TERM OPERATION SUPERINTENDENT
tel:++386 748 02 527
E-MAIL: stanko.manojlovic@nek.si

B07 - RIGHTS OF ACCESS
NUCLEAR POWER PLANT KRSKO (NEK)) SHALL HAVE THE RIGHT OF ACCESS TO THE SUPPLIER'S AND ANY SUBTIER SUPPLIER'S FACILITIES AND RECORDS FOR INSPECTION OR AUDIT BY NEK , THEIR DESIGNATED REPRESENTATIVE AND/OR OTHER PARTIES AUTHORIZED BY NEK. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, THE RIGHT TO AUDIT MATERIAL, TEST, INSPECTION SERVICES AND QUALITY RECORDS; MAKE SURVEILLANCE VISITS DURING MANUFACTURING; AND WITNESS TESTS TO THE EXTENT NEK DEEMS NECESSARY TO ASSURE THAT WORK IS BEING PERFORMED IN ACCORDANCE WITH ALL PRODUCT DESIGN AND MANUFACTURING REQUIREMENTS.
NEK WILL MAKE ARRANGMENT FOR ANY SUBTIER AUDIT OR INSPECTION THROUGH SUPPLIER. SUPPLIER WILL HAVE OPTION TO ACCOMPANY NEK DURING ANY SUB-SUPPLIER AUDITS OR INSPECTIONS.

INSPECTIONS OR EXAMINATIONS PERFORMED BY NEK, OR ITS DESIGNATED REPRESENTATIVES, DO NOT RELIEVE THE SUPPLIER OF ITS RESPONSIBILITY TO MEET THE REQUIREMENTS OF THIS PURCHASE ORDER.

B08 - RETENTION OF RECORDS
A RECORD SYSTEM (RETENTION TIME FOR LIFETIME AND NON-PERMANENT RECORDS) SHALL BE ESTABLISHED AND MAINTAINED BY THE SUPPLIER THAT PROVIDES DOCUMENTARY EVIDENCE OF THE QUALITY OF THE ITEMS AND ACTIVITIES AFFECTING QUALITY. THESE QA RECORDS SHALL INCLUDE RESULTS OF REVIEWS, INSPECTIONS,TESTS, AUDITS, MONITORING OF WORK PERFORMANCE AND MATERIAL ANALYSIS. RECORDS SHALL, AS A MINIMUM, IDENTIFY THE INSPECTOR OR DATA RECORDER, DATE INSPECTION WAS PERFORMED, TYPE OF OBSERVATION, PROCEDURES USED, RESULTS, ACCEPTABILITY, AND ACTION TAKEN FOR DEFICIENCIES NOTED. ADDITIONAL RECORDS OF SUPPORTING DATA SHALL ALSO BE MAINTAINED. ALL QUALITY VERIFICATION RECORDS, PROCEDURES AND QUALIFICATIONS SHALL BE IDENTIFIABLE TO THE ITEM OR ACTIVITY INVOLVED. THESE RECORDS SHALL BE RETRIVEABLE AND AVAILABLE FOR EXAMINATION. THE CLASSIFICATION AND RETENTION TIME OF LIFETIME AND NON-PERMANENT RECORDS SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF USNRC REGULATORY GUIDE 1.28, REV. 3-1985. THE SUPPLIER MAY DISPOSE OF NON-PERMANENT RECORDS AFTER THE REQUIRED RETENTION PERIOD. IF THE SUPPLIER GOES OUT OF BUSINESS BEFORE THE END OF THE RETENTION PERIOD OF THESE RECORDS, THE SUPPLIER WILL SEND ONE COPY OF THESE RECORDS TO THE NEK IMPORT DEPARTMENT SUPERINTENDENT.

C00 - NONCONFORMANCE AND DEVIATION

C01 - NO SUBSTITUTIONS
THE SUPPLIER SHALL NOT SUBSTITUTE OTHER ITEMS FOR THE ITEMS REQUESTED WITHOUT SPECIFIC WRITTEN APPROVAL OF NEK PRIOR TO SHIPMENT. IF THE SUPPLIER IDENTIFIES CHANGES,NONCONFORMANCES, OR SEEKS WAIVERS FROM OTHER REQUIREMENTS OF THIS PURCHASE ORDER, THE SUPPLIER SHALL DESCRIBE SUCH CONDITIONS AND THIS INFORMATION SHALL BE TRANSMITTED, IN WRITING, TO NEK IMPORT DEPARTMENT SUPERINTENDENT.

IF THE REQUESTED INFORMATION IS APPROVED BY NEK, THE SUPPLIER SHALL INCLUDE AN APPROVED COPY OF THE INFORMATION STATEMENT WITH THE ITEMS SHIPPED.

THE SUPPLIER SHALL IDENTIFY ANY CHANGE MADE TO UPGRADE ANY ITEM ON THIS PURCHASE ORDER AS A RESULT OF USNRC CORRESPONDENCE (SUCH AS INFORMATION NOTICES, BULLETINS AND ADVISORY LETTERS). CHANGES AS PART OF THE SUPPLIER'S PRODUCT IMPROVEMENT PROGRAM SHALL ALSO BE IDENTIFIED AND TRANSMITTED IN WRITTING TO THE NEK IMPORT DEPARTMENT SUPERINTENDENT FOR APPROVAL.

F00 - SHIPPING, HANDLING, MARKING AND STORAGE INSTRUCTIONS ; STEEL BEAMS/ ANGLES/PIPES LENGTH SHALL BE MAX. 6m.

F02 - HANDLING, PACKAGING AND SHIPPING
HANDLING, PACKAGING AND SHIPPING OF THE ITEM SUPPLIED UNDER THIS PURCHASE ORDER SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) N45.2.2-LEVEL B.

F40 - SUPPLIER'S NAME

F50 - ITEM MARKING REQUIREMENTS
ALL ITEMS ARE TO BE PACKAGED INDIVIDUALLY AND IDENTIFIED WITH THE SPECIFIC PART NUMBER, OR ALL ITEMS OF A GIVEN PART NUMBER TO BE PACKAGED TOGETHER AND IDENTIFIED WITH THE SPECIFIC PART NUMBER AND THE FOLLOWING:

F51 - THE PURCHASE ORDER NUMBER

F521 - PART/ CATALOG NO.

F57 - MANUFACTURER'S NAME

F59 - ITEM SERIAL NUMBER

F90 - PACKING SLIPS ARE TO BE SHIPPED WITH ORDER

G00 - SUPPLIER DOCUMENTATION REQUIREMENTS ALL REQUIRED DOCUMENTS SHALL BE SUPPLIED IN ORIGINAL HARD COPY OR ELECTRONIC FORM DEFINED BY SUPPLIER QA PROGRAM AND ACCEPTED BY NEK.

G02 - MATERIAL AND DOCUMENTATION SHIPPING
MATERIAL AND ALL CERTIFICATIONS OR ACCOMPANYING DOCUMENTATION SUPPLIED UNDER THIS ORDER SHALL BE DIRECTLY SHIPPED FROM THE SUPPLIER/MANUFACTURER TO NEK. THE DISTRIBUTOR SHALL NOT TAKE POSSESSION OF MATERIAL OR DOCUMENTATION.

G03 - DOCUMENTATION DIRECTED ADDRESS
DOCUMENTS SUBMITTED PRIOR TO SHIPMENT OR SUBSEQUENT TO SHIPMENT INCLUDING REVISIONS OF THESE DOCUMENTS, SHALL BE DIRECTED TO THE PURCHASING DEPARTMENT.
EVERY PAGE OF EACH DOCUMENT SHALL BE TRACEABLE TO THE NEK'S PURCHASE ORDER AND APPLICABLE ITEM(S) NUMBER.

G04 - THE CERTIFICATE OF CONFORMANCE
THE CERTIFICATE OF CONFORMANCE SHALL SATISFY THE FOLLOWING CRITERIA:

1. IDENTIFY THE PURCHASE ORDER NUMBER, INCLUDING ITEM NUMBERS AND CHANGE ORDER NUMBER APPLICABLE TO THE ITEM BEING CERTIFIED.

2. A PERSON IDENTIFIED IN THE SUPPLIER'S QUALITY ASSURANCE PROGRAM DESCRIPTION AS RESPONSIBLE FOR CERTIFICATION SHALL ATTEST TO THE CERTIFICATE BY SIGNATURE, TITLE AND DATE OF SIGNING.

3. NEK RESERVES THE RIGHT TO DETERMINE THE VALIDITY OF THE CERTIFICATE OF CONFORMANCE BY AN AUDIT OF THE SUPPLIER OR BY AN INSPECTION OR TEST OF THE ITEM(S).

G13 - CERTIFICATION OF QUALIFICATION
THE SUPPLIER SHALL PROVIDE A CERTIFICATION STATING THE ITEM(S) SUPPLIED HAS BEEN QUALIFIED IN ACCORDANCE WITH IEEE 323-1974, IEEE 344-1975, AND THE EQUIPMENT QUALIFICATION DATA SHEET APPLICABLE TO THE SPECIFIED

ITEM(S).

G22 - NONCONFORMANCE REPORTS
THE SUPPLIER SHALL PROVIDE A COPY OF ALL NONCONFORMANCE REPORTS AS REPAIR OR USE-AS-IS DISPOSITION OF MATERIALS DURING THE MANUFACTURING PROCESS TO UTILITIES ONLY IN CASES THAT AFFECT ENVIRONMENTAL QUALIFICATION, INTERCHANGEABILITY, DESIGN OR OPERATING PARAMETERS GENERATED DURING MANUFACTURE OF PROCESSING OF THIS ORDER.
THIS REPORT SHALL INCLUDE TECHNICAL JUSTIFICATION FOR NONCONFORMANCE DISPOSITIONS. ALL DISPOSITIONS WHICH DO NOT RETURN AN ITEM TO THE CONDITIONS STATED IN AN APPROVED DRAWING OR SPECIFICATION SHALL BE APPROVED BY NEK PRIOR TO THE SHIPMENT OF THE AFFECTED ITEM.

G71 - STATEMENT OF PART INTERCHANGEABILITY
IN THE CASE THAT THE PART NUMBER(S) OF ITEM(S) IS CHANGED, THE SUPPLIER SHALL PROVIDE THE STATEMENT THAT THE FORM, FUNCTION, FIT AND INTERCHANGEABILITY OF THE ITEM(S) WILL NOT BE AFFECTED BY THIS CHANGE.

G811 - COMMERCIAL GRADE ITEM DEDICATION (CGDI) PLAN
CGDI PLAN SHALL BE SUBMITTED TO NE KRŠKO FOR REVIEW AND APPROVAL AFTER ISSUED PURCHASE ORDER AND PRIOR TO START OF CGID.

G812 - DEDICATION TEST RECORD
DEDICATION TEST RECORD (TEST DATA SHEET FOR CRITICAL CHARACTERISTICS FROM CGID PLAN APPROVED BY NE KRŠKO)SHALL INCLUDE ACCEPTANCE CRITERIA. DEDICATION TEST RECORD SHALL BE SUPPLIED WITH ITEMS OR SHALL BE SUPPLIED AS PART OF THE FINAL DOCUMENTATION PACKAGE.

G814 DEDICATION TEST RECORD NUMBER
DEDICATION TEST RECORD NUMBER MUST BE REFERENCE ON THE CERTIFICATE OF CONFORMANCE.

GC1 - CERTIFICATE OF ORIGIN

GP4 - PRODUCT DATA SHEET

X100 - EQ EQUIPMENT
THE SUPPLIER SHALL PROVIDE AN ENVIRONMENTAL QUALIFICATION TEST REPORT DEMONSTRATING THAT THE ITEM IS QUALIFIED BY ONE OF THE FOLLOWING:

1. QUALIFICATION IN ACCORDANCE WITH THE FOLLOWING ENVIRONMENTAL PARAMETERS:
- RADIATION DOSE – HARSH – QUALIFICATION DOSE IS 74.2Gy
- TEMPERATURE – MILD – UP TO 40degC
- RELATIVE HUMIDITY – MILD – 60%
- PRESURE – MILD – ATMOSPHERIC PRESSURE

QUALIFICATION PROCEDURE SHALL BE PROVIDED TO NEK FOR REVIEW AND APPROVAL PRIOR TO THE START OF QUALIFICATION TESTING.
QUALIFICATION REPORT SHALL BE PROVIDED TO NEK FOR REVIEW AND APPROVAL.

2. QUALIFICATION PER Q1945.0, Rev.0

IN EITHER CASE (1 OR 2), CERTIFICATION TO IEEE 344-1975 AND SUBJECT QUALIFICATION REPORT FOR QUALIFIED EQUIPMENT SHALL BE ISSUED AND PROVIDED TO NEK.

X15 - SEISMIC TEST REPORT
THE SUPPLIER SHALL PROVIDE A SEISMIC TEST REPORT DEMONSTRATING THAT THE ITEM IS QUALIFIED BY ONE OF THE FOLLOWING:

1. QUALIFICATION PER THE ATTACHED FLOOR RESPONSE SPECTRA:
  1.A. OBE - FIGURES A189, A191 AND A193; DAMPING FACTOR 2%; AMPLIFICATION FACTOR 4.8
  1.B. SSE - FIGURES C127, C128 AND C129; DAMPING FACTOR 4%; AMPLIFICATION FACTOR 4.8

QUALIFICATION PROCEDURE SHALL BE PROVIDED TO NEK FOR REVIEW AND APPROVAL PRIOR TO THE START OF QUALIFICATION TESTING.
QUALIFICATION REPORT SHALL BE PROVIDED TO NEK FOR REVIEW AND APPROVAL.

2. QUALIFICATION PER 916117-007-12-5, Rev. 0

IN EITHER CASE (1 OR 2), CERTIFICATION TO IEEE 344-1975 AND SUBJECT QUALIFICATION REPORT FOR QUALIFIED EQUIPMENT SHALL BE ISSUED AND PROVIDED TO NEK.

X17 - SUPPLEMENT DOCUMENTS
THE SUPPLEMENT DOCUMENTS SHALL INCLUDE:

EMC/RFI QUALIFICATION

THE SUPPLIER SHALL PROVIDE AN EMC/RFI QUALIFICATION TEST REPORT DEMONSTRATING THAT THE ITEM IS QUALIFIED BY ONE OF THE FOLLOWING:

1. THE EQUIPMENT SHALL BE ELECTROMAGNETICALLY QUALIFIED IN ACCORDANCE WITH U.S. NRC REGULATORY GUIDE 1.180 (REV. 1) AND THE APPLICABLE STANDARDS FROM THE IEC 61000-4 AND IEC 61000-6 SERIES, AS LISTED BELOW:
1.A EMISSIONS:
IEC 61000-6-4,
1.B IMMUNITY:
IEC 61000-4-2,
IEC 61000-4-3,
IEC 61000-4-4,
IEC 61000-4-5,
IEC 61000-4-12,
IEC 61000-4-6,
IEC 61000-4-13,
IEC 61000-4-16,
IEC 61000-4-8,
IEC 61000-4-9,
IEC 61000-4-10.
THE EQUIPMENT SHALL DEMONSTRATE THAT IT IS UNAFFECTED BY THE TEST LEVELS RECOMMENDED BY USNRC RG 1.180, MAINTAINING FULL FUNCTIONALITY AND PERFORMANCE DURING AND AFTER EXPOSURE TO THE SPECIFIED ELECTROMAGNETIC PHENOMENA.
QUALIFICATION PROCEDURE SHALL BE PROVIDED TO NEK FOR REVIEW AND APPROVAL PRIOR TO THE START OF QUALIFICATION TESTING.
QUALIFICATION REPORT SHALL BE PROVIDED TO NEK FOR REVIEW AND APPROVAL.

2. QUALIFICATION PER 916117-007-11, Rev A.

IN EITHER CASE (1 OR 2), CERTIFICATION TO SUBJECT QUALIFICATION REPORT FOR QUALIFIED EQUIPMENT SHALL BE ISSUED AND PROVIDED TO NEK.