Technical specification for Items No. 192351

1. SCOPE

Line	NEK Item Number	Part Number	UOM	Quantity	Need by Date	Safety Classification
1	435227		EA	8	2-Mar-27	SR
	VALVE.RELIEF,SC:SR,SIZE:INLET:3/4" / OUTLET 1-1/4",BODY MAT'L:CS,END STYLE:THREADED NPT,LIFT PRESSURE:205 PSIG,ASME CODE CLASS:3,SPECIFICATION:SP-G508A,SPEC. SHEET:RV34K-1,SEISMIC CAT.:I					
	Item shall be supplied in accordance with the following TQRs: A00, A03, A07, B00, B01, B04, B06, B07, B08, F00, F02, F50, F51, F52, F521, F53, F55, F56, F57, F59, F60, F90, G00, G01, G03 The following documents and/or records shall be submitted with the above item: G05 - CERTIFICATE OF COMPLIANCE WITH PURCHASE ORDER REQUIREMENTS G09 - ASME QUALITY SYSTEM CERTIFICATES G22 - NONCONFORMANCE REPORTS G31 - STATEMENT OF CODE (ASME-II OR III) RECONCILIATION (IF REQUIRED) G35 - MAGNETIC PARTICLE (MT) TEST RECORD G48 - HYDRO PRESSURE TEST RECORD G49 - LEAKAGE TEST RECORD G54 - HEAT TREATMENT RECORDS OR REPORTS G55 - CERTIFIED MATERIAL TEST RECORDS-MECHANICAL PROPERTIES G56 - CERTIFIED MATERIAL TEST RECORDS-CHEMICAL COMPOSITION G60 - ASME CODE MANUFACTURER'S DATA REPORT G622 - VALVE ASSEMBLY DRAWING G64 - OPERATION & MAINTENANCE MANUAL (2 COPIES) G67 - MANUFACTURING AND QC INSPECTION PLAN G69 - FINAL INSPECTION REPORT (VISUAL, DIMENSIONAL) G82 - MINIMUM WALL THICKNESS MEASUREMENT RECORD G83 - DESIGN / STRESS REPORT G84 - SEISMIC ANALYSIS REPORT X002 - CERTIFICATE OF COMPLIANCE WITH TECHNICAL SPECIFICATION X04 - ASME CODE REQUIREMENTS X13 -INSPECTION WITNESS / HOLD POINT NOTIFICATION X19 - ADDITIONAL NOTES					

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.

A03 - ORDER ENTRY/DROP SHIP REQUIREMENTS
THE SALES OFFICE RECEIVING THIS PURCHASE ORDER SHALL TRANSMIT ALL NEK PURCHASE ORDER REQUIREMENTS

Registration: Krško District Court, entry number: 1000120000; Share Capital: 353.544.826,00 EUR
VAT Identification Number: SI61082597 Tax Number: 61082597 Registration Number: 5034345000
Phone: +386 7 48 02 000; www.nek.si; e-mail: nek@nek.si
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.)

TO THE EQUIPMENT/ ITEM MANUFACTURER. ALL ITEMS SHALL BE DROP SHIPPED DIRECTLY FROM THE MANUFACTURER TO THE NEK FACILITY SPECIFIED ON THE PURCHASE ORDER.

A07 - NEW ITEMS
ALL ITEMS SUPPLIED UNDER THIS PURCHASE ORDER SHALL BE FACTORY-NEW, UNUSED, AND OF CURRENT MANUFACTURE. REFURBISHED, RECONDITIONED, REMANUFACTURED, REPAIRED, OR PREVIOUSLY USED ITEMS ARE NOT ACCEPTABLE.
ITEMS THAT, ALTHOUGH NEW AND UNUSED, HAVE BEEN STORED FOR AN EXTENDED PERIOD PRIOR TO SHIPMENT SHALL NOT BE SUPPLIED WITHOUT NEK'S PRIOR WRITTEN APPROVAL.

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.

F00 - SHIPPING, HANDLING, MARKING AND STORAGE INSTRUCTIONS ;

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.

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

F52 - NEK ITEM NUMBER

F521 - PART/ CATALOG NO.

F53 - ASME CODE STAMP

F55 - HEAT NO. BATCH NO. OR CODE

F56 - RATING

F57 - MANUFACTURER'S NAME

F59 - ITEM SERIAL NUMBER

F60 - ITEM/ MATERIAL DESCRIPTION OR COMPOSITION

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.

G01 - DOCUMENT TRACEABILITY
ALL REQUIRED DOCUMENTS SHALL BE TRACEABLE TO THE NEK PURCHASE ORDER. DOCUMENTS SUPPLIED WHICH ARE ASSOCIATED WITH SPECIFIC ITEMS ON THE ORDER, SUCH AS TEST REPORTS, SHALL BE IDENTIFIED IN ORDER TO ESTABLISH TRACEABILITY TO THAT ITEM OR GROUP OF ITEMS.

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.

G05 - CERTIFICATE OF COMPLIANCE WITH PURCHASE ORDER REQUIREMENTS
THE CERTIFICATE OF COMPLIANCE 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. SUPPORTING DOCUMENTATION TO SUBSTANTIATE THE CERTIFICATE SHALL BE INCLUDED, UNLESS OTHERWISE WAIVED BY NEK.

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

G09 - ASME QUALITY SYSTEM CERTIFICATES
MATERIAL SHALL BE SUPPLIED IN ACCORDANCE WITH ASME SECTION II AND/OR III UNDER AN APPROVED NCA-3300/4200 PROGRAM BY A MATERIAL ORGANIZATION (MO) OR APPROVED SUPPLIER HAVING AN ASME QUALITY SYSTEM CERTIFICATE.
MATERIAL ORGANIZATION OR APPROVED SUPPLIER SHALL INCLUDE HIS CERTIFICATE NUMBER AND EXPIRATION DATE ON THE 'CMTR' OR CERTIFICATE OF COMPLIANCE AS REQUIRED BY 'ASME'.

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.

G31 - STATEMENT OF CODE (ASME-II OR III) RECONCILIATION (IF REQUIRED)
THE RECONCILIATION REPORT TO THE ORIGINAL CODE EDITION AND ADDENDA IS REQUESTED TO BE SUBMITTED FOR REVIEW PRIOR TO MACHINING OF PART.
COMPONENT/ PART SHALL MEET THE LATEST ASME CODE EDITION AND ADDENDA APPROVED BY NRC NUCLEAR REGULATORY COMMISSION) AS STATED IN 10 CFR 50.55A.

G35 - MAGNETIC PARTICLE (MT) TEST RECORD

G48 - HYDRO PRESSURE TEST RECORD

G49 - LEAKAGE TEST RECORD

G54 - HEAT TREATMENT RECORDS OR REPORTS

G55 - CERTIFIED MATERIAL TEST RECORDS-MECHANICAL PROPERTIES

G56 - CERTIFIED MATERIAL TEST RECORDS-CHEMICAL COMPOSITION

G60 - ASME CODE MANUFACTURER'S DATA REPORT

G622 - VALVE ASSEMBLY DRAWING

G64 - OPERATION & MAINTENANCE MANUAL (2 COPIES)
THE DOCUMENT SHOULD INCLUDE THE FOLLOWING NPP KRŠKO SPECIFIC DATA:
NPP KRŠKO PURCHASE ORDER NUMBER,
NPP KRŠKO TECH.(EQUIPM.)SPEC. NUMBER,
EQUIPMENT ID (TAG)NUMBER.

G67 - MANUFACTURING AND QC INSPECTION PLAN
THE SUPPLIER SHALL PROVIDE THE ITEM MANUFACTURING ACTIVITIES AND QC INSPECTION PLAN TO NPP KRŠKO FOR THE REVIEW AND DEFINITION OF NPP KRŠKO QC WITNESS / HOLD POINTS.
QC INSPECTION PLAN SHALL BE SUBMITTED TO NEK AT LEAST 14 DAYS PRIOR TO START OF MANUFACTURING.

G69 - FINAL INSPECTION REPORT (VISUAL, DIMENSIONAL)

G82 - MINIMUM WALL THICKNESS MEASUREMENT RECORD

G83 - DESIGN / STRESS REPORT
THE DOCUMENT SHOULD INCLUDE THE FOLLOWING NEK SPECIFIC DATA:
NPP KRŠKO PURCHASE ORDER NUMBER,
NPP KRŠKO TECH.(EQUIPM.)SPEC. NUMBER,
EQUIPMENT ID (TAG)NUMBER.

G84 - SEISMIC ANALYSIS REPORT
THE DOCUMENT SHOULD INCLUDE THE FOLLOWING NEK SPECIFIC DATA:
NPP KRŠKO PURCHASE ORDER NUMBER,
NPP KRŠKO TECH.(EQUIPM.)SPEC. NUMBER,
EQUIPMENT ID (TAG)NUMBER.

X002 - CERTIFICATE OF COMPLIANCE WITH TECHNICAL SPECIFICATION
SUPPLIER SHALL CERTIFY THAT THE SUPPLIED VALVES ARE IN COMPLIANCE WITH TECHNICAL SPECIFICATION SP-G508A-536633-00026, REV.1.

X04 - ASME CODE REQUIREMENTS
ASME SECTION III ITEMS SHALL MEET: CLASS 3
CODE EDITION:1971 ADDENDA:WINTER 1972
MATERIAL FOR ITEMS GOVERNED BY THE RULES OF ASME SECTION III MAY BE SUPPLIED TO A LATER CODE EDITION OR ADDENDA PROVIDED THAT ALL THE REQUIREMENTS OF THE ORIGINAL CODE EDITION AND ADDENDA OF ASME SECTION II AND III AND NEK SPECIFIED CODE CASE(S) ARE MET AND THE MATERIAL IS
CERTIFIED ACCORDINGLY. IN ADDITION, THE SUPPLIER SHALL PROVIDE NEK WITH A STATEMENT OF CODE RECONCILIATION, IF REQUIRED.

X13 -INSPECTION WITNESS / HOLD POINT NOTIFICATION
THE SUPPLIER SHALL PROVIDE ACCESS TO THE SUPPLIER'S PLANT FACILITIES AND RECORDS PERTAINING TO THIS PURCHASE ORDER FOR THE PURPOSE OF PERFORMING INSPECTION ACTIVITES IN ACCORDANCE WITH THE PLAN. NPP KRSKO REQUIRES 21 DAYS ADVANCE NOTICE THAT WITNESS OR HOLD POINTS HAVE BEEN REACHED.

X19 - ADDITIONAL NOTES
SEISMIC QUALIFICATION DATA- FLOOR RESPONSE SPECTRA CURVES:
- HORIZONTAL OBE- FIGURE A121,
- VERTICAL OBE- FIGURE A122,
- HORIZONTAL SSE- FIGURE A123,
- VERTICAL SSE- FIGURE A124.

CRITICAL DAMPING VALUE IS 2% (OBE-Operating Basis Earthquake) AND 3% (SSE-Safe-Shutdown Earthquake).

COPY OF SEISMIC ANALYSIS, DESIGN REPORT AND VALVE ASSEMBLY DRAWING SHALL BE SUBMITTED FOR REVIEW AND APPROVAL WITHIN 12 WEEKS AFTER PURCHASE ORDER IS ISSUED.