



NEK

Nuklearna elektrarna Krško, d.o.o.
Vrbina 12, 8270 Krško
Slovenija



NEK REQUISITION NO: 99729

1. SCOPE

| Line | NEK Item Number | Part Number | UOM | Quantity | Need by Date | Safety Classification |
|--|--------------------|-------------|-----|----------|-----------------|--------------------------|
| 1 | 419116 | | EA | 2 | 26-Feb-21 | SR |
| VALVE.BUTTERFLY,SC:SR,TYPE:DIAPHRAGM ACTUATED,SIZE:8",END STYLE:WAFER,ANSI RATING:300,ASME CODE CLASS:2,SPECIFICATION SHEET:8BA74D-R4 Item shall be supplied in accordance with the following TQRs: A00, A02, A07, B00, B01, B04, B06, B07, B08, C00, C01, D00, F00, F03, F30, F31, F32, F40, F50, F51, F52, F53, F57, F59, F90, G00, G01, G02, G03 The following documents and/or records shall be submitted with the above item: G05 - CERTIFICATE OF COMPLIANCE WITH PURCHASE ORDER REQUIREMENTS G22 - NONCONFORMANCE REPORTS G30 - STATEMENT OF APPROVED CHANGE, NONCONFORMANCE OR WAIVER G34 - RADIOGRAPHIC (RT) TEST RECORD G36 - LIQUID PENETRANT (LP) TEST RECORD OR REPORT G49 - LEAKAGE TEST RECORD G55 - CERTIFIED MATERIAL TEST RECORDS-MECHANICAL PROPERTIES G56 - CERTIFIED MATERIAL TEST RECORDS-CHEMICAL COMPOSITION G60 - ASME CODE MANUFACTURER'S DATA REPORT G62 - ASSEMBLY DRAWING (1 REPRODUCIBLE + 3 COPIES) G63 - BILL OF MATERIAL G64 - OPERATION & MAINTENANCE MANUAL (2 COPIES) G66 - HANDLING AND INSTALLATION MANUAL (4 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 X04 - ASME CODE REQUIREMENTS Notes: Valves Damping values 3% SSE and 2% OBE. Valves size 8", elevation 101,28. Attachments: AB 100 Floor response (sp-s702r10_floor_response_ab_100.pdf) SP-S702r10 (sp-s702r10_text.pdf) SP-G508A_r1 (sp-g508ar1_text.pdf) Spec. sheet HCV864,HCV865 (8BA74Dr4.pdf) | | | | | | |
| 2 | 419117 | | EA | 2 | 26-Feb-21 | SR |
| VALVE.BUTTERFLY,SC:SR,TYPE:DIAPHARGM ACTUATED,SIZE:6",END STYLE:WAFER,ANSI RATING:300,ASME CODE CLASS:2,SPECIFICATION SHEET:6BA74R-R4 Item shall be supplied in accordance with the following TQRs: A00, A02, A07, B00, B01, B04, B06, B07, B08, C00, C01, D00, F00, F03, F30, F31, F32, F40, F50, F51, F52, F53, F57, F59, F90, G00, G01, G02, G03 The following documents and/or records shall be submitted with the above item: G05 - CERTIFICATE OF COMPLIANCE WITH PURCHASE ORDER REQUIREMENTS G22 - NONCONFORMANCE REPORTS G30 - STATEMENT OF APPROVED CHANGE, NONCONFORMANCE OR WAIVER G34 - RADIOGRAPHIC (RT) TEST RECORD G36 - LIQUID PENETRANT (LP) TEST RECORD OR REPORT G49 - LEAKAGE TEST RECORD G55 - CERTIFIED MATERIAL TEST RECORDS-MECHANICAL PROPERTIES | | | | | | |

G56 - CERTIFIED MATERIAL TEST RECORDS-CHEMICAL COMPOSITION
G60 - ASME CODE MANUFACTURER'S DATA REPORT
G62 - ASSEMBLY DRAWING (1 REPRODUCIBLE + 3 COPIES)
G63 - BILL OF MATERIAL
G64 - OPERATION & MAINTENANCE MANUAL (2 COPIES)
G66 - HANDLING AND INSTALLATION MANUAL (4 COPIES)
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G82 - MINIMUM WALL THICKNESS MEASUREMENT RECORD
G83 - DESIGN / STRESS REPORT
G84 - SEISMIC ANALYSIS REPORT
X04 - ASME CODE REQUIREMENTS

Notes:

Valves Damping values 3% SSE and 2% OBE.

Valves size 6", elevation 101,75.

Attachments:

AB 100 Floor response (sp-s702r10_floor_response_ab_100.pdf)
SP-S702r10 (sp-s702r10_text.pdf)
SP-G508A_r1 (sp-g508ar1_text.pdf)
Spec. sheet FCV851,FCV852 (6BA74Rr4.pdf)

2. TECHNICAL AND QUALITY REQUIREMENTS

IMPORTANT:

The quotation has to include Statement of Compliance with the following Technical and Quality Requirements. If any of these requirements could not be fulfilled, state the explanation

A00 - GENERAL REQUIREMENTS

ALL REQUIRED DOCUMENTS SHALL BE SUPPLIED IN ENGLISH OR ENGLISH/ MULTILINGUAL.

A02 - ORDER ENTRY REQUIREMENTS

THE SALES OFFICE AND/OR IMPORTER RECEIVING THIS PURCHASE ORDER SHALL TRANSMIT ALL NEK PURCHASE ORDER REQUIREMENTS TO THE EQUIPMENT MANUFACTURER.

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 SHALL BE PERFORMED/PROVIDED IN ACCORDANCE WITH A QUALITY ASSURANCE PROGRAM THAT COMPLIES WITH ANSI N45.2-1972, 10CFR50 APPENDIX B OR EQUIVALENT AND HAS BEEN PREVIOUSLY EVALUATED AND ACCEPTED BY NEK. THIS INCLUDES ITEMS EXCLUDED FROM ASME CODE REQUIREMENTS.

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:

DARKO KAVŠEK, QUALITY & NUCLEAR OVERSIGHT DIRECTOR
tel.:++386 748 02 429

E-mail:darko.kavsek@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:

ZVONIMIR ZEC , SUPERINTENDENT ENGINEERING SUPPORT
tel:++386 748 02 262
E-MAIL: zvonimir.zec@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 RETRIEVABLE 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 WRITING TO THE NEK IMPORT DEPARTMENT SUPERINTENDENT FOR APPROVAL.

D00 - ASME CODE ITEM

F00 - SHIPPING, HANDLING, MARKING AND STORAGE INSTRUCTIONS

F03 - HANDLING, PACKAGING AND SHIPPING

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

F30 - CONTAINER MARKING REQUIREMENTS

SHIPPING CONTAINERS OR CARTONS ARE TO BE CLEARLY MARKED OR TAGGED WITH:

F31 - THE PURCHASE ORDER NUMBER

F32 - SHORT DESCRIPTION

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

F52 - NEK ITEM NUMBER

F53 - ASME CODE STAMP

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.

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.

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.

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).

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.

G30 - STATEMENT OF APPROVED CHANGE, NONCONFORMANCE OR WAIVER

G34 - RADIOGRAPHIC (RT) TEST RECORD

G36 - LIQUID PENETRANT (LP) TEST RECORD OR REPORT

G49 - LEAKAGE TEST RECORD

G55 - CERTIFIED MATERIAL TEST RECORDS-MECHANICAL PROPERTIES

G56 - CERTIFIED MATERIAL TEST RECORDS-CHEMICAL COMPOSITION

G60 - ASME CODE MANUFACTURER'S DATA REPORT

G62 - ASSEMBLY DRAWING (1 REPRODUCIBLE + 3 COPIES)

THE DOCUMENT SHOULD INCLUDE THE FOLLOWING NEK SPECIFIC DATA:

NPP KRŠKO PURCHASE ORDER NUMBER,
NPP KRŠKO TECH.(EQUIPM.)SPEC. NUMBER,
EQUIPMENT ID (TAG)NUMBER.

G63 - BILL OF MATERIAL

BILL OF MATERIAL SHALL INCLUDE ITEM NUMBER, RECOMMENDED SPARE PART, ITEM DESCRIPTION, UANTITY, ITEM PART NUMBER, MATERIAL SPECIFICATION AND ITEMS DESIGNATION: ASME PRESSURE RETAINING PART / SAFETY-RELATED / NONSAFETY- RELATED.

THE BILL OF MATERIAL SHOULD BE SENT AS A PART OF VENDOR DRAWING OR AS A SEPARATE DOCUMENT WITH THE APPLICABLE DOCUMENT NUMBER, SHEET NO. AND REVISION INCLUDING THE REFERENCE VENDOR DRAWING NUMBER/ SHEET/ REVISION AND NEK PO NUMBER.

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.

G66 - HANDLING AND INSTALLATION MANUAL (4 COPIES)

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.

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.

X04 - ASME CODE REQUIREMENTS

ASME SECTION III ITEMS SHALL MEET: CLASS 2

CODE EDITION: per TECHNICAL SPECIFICATION SP-G508A-536633-00026, paragraph 2.2.b

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.

3. ISO 14001 AND BS OHSAS 18001:2007 CERTIFICATIONS

Please, put in your quotation corresponding statements related to your company ISO 14001 and BS OHSAS 18001:2007 certifications:

- We have ISO 14001 qualification and apply it adequately - (please, enclose a copy of the ISO certificate).
 - We are in the initial process of implementing ISO 14001 - (please, quote expected date of your company ISO certification).
 - We do not have ISO 14001 qualification.
- and
- We have BS OHSAS 18001:2007 and apply it adequately - (please, enclose a copy of the certificate).
 - We are in the initial process of implementing BS OHSAS 18001:2007 - (please, quote expected date of your company certification).
 - We do not have BS OHSAS 18001:2007.