Technical Specification for Items RFQ No. 186329 Rev. 0

1. SCOPE

Line	NEK Item Number	Part Number	UOM	Quantity	Need by Date	Safety Classification
1	430908	TBD	EA	1,00	30-Sep-25	SR
	MODULE.MCB,TYPE:MO2SXB COMPLETE,FACEPLATE:RAL COLOR CODE 6011,IND.LIGHT: 1xGREEN, 1xRED,EZC, MINALITE,MODULE LAMP GROUP PLATE:001,SWITCH:OT2S1, CONTACTS: 2x OT2A, OT2 ESCUTCHEON PLATE WESTLOC 005,RECEPTACLE:UTO01822P with male pins P/N RM16M-233K,PLUG:UTO61877SH with female pins P/N RC16M-23K,OPERATION:2 POS. MAINTAINED,WIRING:1210E79 Sh.No.918,HANDLE:STANDARD,VOLT:125 Vac,DIM.FRONT:3.625"x 5.75"AxH,AMB.TEMP:49 deg C max,SC:SR					
	Item shall be supplied in accordance with the following TQRs: A00, A04, A07, B00, B01, B04, B06, B07, B08, C00, C01, F00, F02, F40, F50, F51, F52, F521, F57, F59, F90, G00, G01, G03 The following documents and/or records shall be submitted with the above item: G04 - THE CERTIFICATE OF CONFORMANCE G13 - CERTIFICATION OF QUALIFICATION G19 - SPARE AND REPLACEMENT PARTS LIST FOR EQUIPMENT G22 - NONCONFORMANCE REPORTS G621 - ASSEMBLY DRAWING G631 - BILL OF MATERIAL G811 - COMMERCIAL GRADE ITEM DEDICATION (CGDI) PLAN G812 - DEDICATION TEST RECORD I05 - ELECTRICAL SCHEMATIC CIRCUIT DIAGRAM X15 - SEISMIC TEST REPORT X19 - ADDITIONAL NOTES					
2	431313	TBD	EA	1,00	30-Sep-25	SR
	MODULE.EMCB,TYPE:MO2SXB COMPLETE,FACEPLATE:RAL COLOR CODE 6011,IND.LIGHT: 1xGREEN, 1xRED,EZC, MINALITE,MODULE LAMP GROUP PLATE:001,SWITCH:OT2S1, CONTACTS: 2x OT2A, OT2 ESCUTCHEON PLATE WESTLOC 005,RECEPTACLE:OT07128PH with male pins P/N RM16M-23K,PLUG:UT06128SH with female pins P/N RC16M-23K,OPERATION:2 POS. MAINTAINED,WIRING:1210E79 Sh.No.918,HANDLE:STANDARD,VOLT:125 Vac,DIM.FRONT:3.625"x 5.75"AxH,AMB.TEMP:49 deg C max,SC:SR					
	Item shall be supplied in accordance with the following TQRs: A00, A04, A07, B00, B01, B04, B06, B07, B08, C00, C01, F00, F02, F40, F50, F51, F52, F521, F57, F59, F90, G00, G01, G03 The following documents and/or records shall be submitted with the above item: G04 - THE CERTIFICATE OF CONFORMANCE G13 - CERTIFICATION OF QUALIFICATION G19 - SPARE AND REPLACEMENT PARTS LIST FOR EQUIPMENT G22 - NONCONFORMANCE REPORTS G621 - ASSEMBLY DRAWING G631 - BILL OF MATERIAL G811 - COMMERCIAL GRADE ITEM DEDICATION (CGDI) PLAN G812 - DEDICATION TEST RECORD I05 - ELECTRICAL SCHEMATIC CIRCUIT DIAGRAM					

Registered at the District Court of Krško, Entry No.: 1000120000, Basic Capital: 353.544.826,00 EUR
VAT No.: SI61082597 Tax No.: 61082597 ID No.: 5034345000
Tel.: 07 48 02 000
IBANs: SI56 0292 4001 8793 453 at NLB d.d., Ljubljana; SI56 0400 1004 8892 548 at OTP banka d.d., Ljubljana;
SI56 3400 0102 2600 457 at Banka Sparkasse d.d., Ljubljana

	X15 - SEISMIC TEST REPORT 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.

A04 - COMMERCIAL GRADE ITEMS IDENTIFICATION
ALL ITEMS, AND PARTS THEREOF, SUPPLIED TO THIS PURCHASE ORDER ARE CONSIDERED TO BE BASIC COMPONENTS WHEN SHIPPED BY THE SUPPLIER UNLESS OTHERWISE STATED BY THE SUPPLIER. WHEN A BASIC COMPONENT (I.E., SAFETY RELATED ITEM) SUPPLIED ON THIS PURCHASE ORDER INCORPORATES ONE OR MORE COMMERCIAL GRADE PARTS IN ITS CONSTRUCTION, THE SUPPLIER SHALL MAINTAIN TRACEABILITY TO THE APPROPRIATE COMMERCIAL GRADE DEDICATION DOCUMENTATION DEMONSTRATING THE ACCEPTABILITY OF THE COMMERCIAL GRADE PART(S) FOR USE IN THAT BASIC COMPONENT (I.E., SAFETY RELATED ITEM) AND SHALL PROVIDE NEK ACCESS TO SUCH DOCUMENTATION UPON REQUEST.

PARTS OF A BASIC COMPONENT (I.E., SAFETY RELATED ITEM) THE SUPPLIER CONSIDERS TO NOT MEET THE DEFINITION OF A BASIC COMPONENT (I.E., NON-SAFETY RELATED ITEM) SHALL BE LISTED AND THE BASIS OF THIS DETERMINATION SHALL BE DOCUMENTED AND MAINTAINED BY THE SUPPLIER. NEK SHALL HAVE ACCESS TO SUCH DOCUMENTATION UPON REQUEST.

DEFINITIONS OF "BASIC COMPONENT" AND "COMMERCIAL GRADE" ARE CONTAINED IN 10 CFR 21.

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

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

F52 - NEK ITEM 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.

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.

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).

G19 - SPARE AND REPLACEMENT PARTS LIST FOR EQUIPMENT
THE SUPPLIER SHALL SUPPLY NEK WITH A LIST OF APPROPRIATE SPARE AND REPLACEMENT PARTS OR ASSEMBLIES FOR THE EQUIPMENT ORDERED. THE APPROPRIATE DELINEATION OF THE TECHNICAL AND QUALTY ASSURANCE RELATED DATA REQUIRED FOR ORDERING THESE PARTS OR ASSEMBLIES SHALL ALSO BE IDENTIFIED. THIS DATA SHALL BE SUPPLIED AS PART OF THE FINAL DOCUMENTATION PACKAGE FOR
INFORMATION.

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.

G621 - ASSEMBLY DRAWING

G631 - BILL OF MATERIAL
BILL OF MATERIAL SHALL INCLUDE ITEM NUMBER, ITEM PART NUMBER, RECOMMENDED SPARE PART, ITEM DESCRIPTION, QUANTITY, AND MATERIAL SPECIFICATION.
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.

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.

I05 - ELECTRICAL SCHEMATIC CIRCUIT DIAGRAM

For item: 431313

X15 - SEISMIC TEST REPORT
THE SUPPLIER SHALL PROVIDE SEISMIC TEST REPORT.
ITEM SHALL BE QUALIFIED IN ACCORDANCE WITH THE ATTACHED FLOOR RESPONSE SPECTRA: OBE FIGURES A77 AND A78 AND DEC SSE FIGURES C121, C122 AND C123 (DAMPING FACTOR 2% OBE AND 4% SSE, AMPLIFICATION FACTOR 4.8), AS SPECIFIED IN ATTACHMENT "ECR MODULE TECHNICAL REQUIREMENTS"

For item: 430908

X15 - SEISMIC TEST REPORT
THE SUPPLIER SHALL PROVIDE SEISMIC TEST REPORT.

ITEM SHALL BE QUALIFIED IN ACCORDANCE WITH THE ATTACHED FLOOR RESPONSE SPECTRA: FIGURES A77, A78, A79 AND A80 (DAMPING FACTOR: 2% OBE AND 4% SSE, AMPLIFICATION FACTOR 4.8) AS SPECIFIED IN ATTACHMENT "ECR MODULE TECHNICAL REQUIREMENTS".

For item: 430908

X19 - ADDITIONAL NOTES
- THE SWITCH MODULES SHALL BE CONSTRUCTED AS SPECIFIED IN ATTACHMENT "ECR MODULE TECHNICAL REQUIREMENTS".

For item: 431313

X19 - ADDITIONAL NOTES
THE SWITCH MODULES SHALL BE CONSTRUCTED IN ACCORDANCE WITH ATTACHMENT "ECR MODULE TECHNICAL REQUIREMENTS"