

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1		ITEM-00001	PLEASE SEND RFX TO M/S. IIG INSULATION LLC, ALONG WITH OTHER COMPANIES.COMplete JOB SCOPE: MOBILIZATION & CHARGES OF EQUIPMENT'S & S PECIALISTSAND REPORTING AFTER TEST AS PER BELOW TECHNICAL SPECIFICATIONS -1.#MATERIAL & METHODS:1.1#PRINCIPLE:THE BLOWER-DOOR TESTIN G IS CARRIED OUT ACCORDING TO THE #DIN EN 13829# /#NFPA 850# / #NFPA 2001# (EDITION 2008, ANNEX C).IN NFPA 2001 (EDITION 2008 / ANNE X C) A METHOD IS DESCRIBED TO EVALUATEFIRE EXTINGUISHING SYSTEMS BASED ON A DOOR FAN TEST. THE CALCULATIONMETHOD MAKES IT POSSIBLE T O PREDICT THE TIME FOR THE CONCENTRATION TOFALL TO A GIVEN PERCENTAGE CONCENTRATION. THIS PROCEDURE PROVIDES AWORST-CASE LEAKAGE EST IMATE THAT IS VERY USEFUL FOR ENCLOSURES WITHCOMPLEX HIDDEN LEAKS, BUT IT WILL GENERALLY REQUIRE MORE SEALING THAN ISNECESSARY TO PA	1	AU				

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>SS A DISCHARGE TEST. IN THIS PROJECT ONLY THE DOOR-FAN-TEST WITH LEAKAGE CALCULATIONS ARE TO BE PERFORMED. 2.1.1#DOOR-FAN-TEST: DOOR FAN TESTS ARE USED TO EXAMINE THE AIR TIGHTNESS OF CONSTRUCTION ENVELOPES/GT ENCLOSURE. IN ORDER TO ACHIEVE THIS FOR THE TESTED ENVELOPE</p> <p>S, A FLOW FAN CREATES A LOCAL DIFFERENTIAL PRESSURE REFERENCED AGAINST AMBIENT AIR PRESSURE. THE DOOR-FAN-TEST-EQUIPMENT CONSISTS OF</p> <p>A FLOW FAN AND A FLEXIBLE FRAME CONSTRUCTION SET WHICH IS INSTALLED AIR TIGHTLY INTO A DOOR. BY USING SPEED CONTROL, THE FLOW RATE CREATED BY THE FAN CAN BE ADAPTED AT A VARIABLE RANGE. THE DIFFERENTIAL PRESSURE IS MEASURED AUTOMATICALLY BY A COMPUTER-CONTROLLED PRESSURE GAUGE (APT: AUTOMATED PERFORMANCE TESTING) WITH EIGHT CHANNELS. ACCORDING TO NFPA 2001 THE PRESSURE DIFFERENCE SHOULD</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>BE SET TO MI NIMIZE ENVIRONMENTALFACTORS, SUCH AS WIND PRESSURE (USUALLY 10 PA). AN ADDITIONAL TEST POINTAT 50 PA (IF POSSIBLE) IS REQUIRED TO CA LCULATE THE FLOW EXPONENT.THE FINAL VALUE FOR THE LEAKAGE CHARACTERISTICS N AND K1 (ACCORDING TONFPA 2001) IS DETERMINED BY USING OR DINARY LEAST SQUARES REGRESSIONOBTAINED UNDER BOTH A POSITIVE AND NEGATIVE PRESSURE. BASED ON THELEAKAGE CHARACTERISTICS THE EQUIVAL ENT LEAKAGE AREA (EQLA) CAN BECALCULATED. EQLA IS DEFINED BY CANADIAN RESEARCHERS AT THE CANADIANNATIONAL RESEARCH COUNCIL AS THE AR EA OF A SHARP EDGED ORIFICE (A SHARPROUND HOLE CUT IN A THIN PLATE) THAT WOULD LEAK THE SAME AMOUNT OF AIRAS THE BUILDING DOES AT A PRESSURE OF 10 PASCALS (CAN/CGSB-149.10-M86).EQLA IS NOT ESSENTIAL TO CALCULATE RETENTION TIME BUT A</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>QUALITYPARAMETER FOR ENCLOSURE ENVELOPES. THE ACCURACY OF THE PROCEDURE CAN BESET AT 10%.THE FIRST STEP OF THE BLOWER DOOR TEST IS A VISUAL INSPECTION OF THEACOUSTIC ENCLOSURE TO BE TESTED. SCOPE OF THIS INSPECTION IS TO IDENTIFYEVIDENT LEAKAGE AREAS TO PERMIT THE CLIENT TO CLOSE THEM BEFORE STARTINGOF THE TEST.TO CARRY OUT THE MEASUREMENT A CALIBRATED PRESSURE GAUGE (BLOWER WITHPRESSURE GAUGE) IS INSERTED INTO AN OUTER DOOR OF THE ACOUSTICENCLOSURE. ALL FURTHER OPENINGS SUCH AS EXTERNAL DOORS AND FLAPS, HAVETO BE CLOSED IN ACCORDANCE WITH REGULATIONS.DURING THIS TESTING AIR IS CONTINUOUSLY SUCKED OUT OF THE EN-CLOSURE(NEGATIVE PRESSURE) OR LET INTO THE ENCLOSURE (OVERPRESSURE) USING A BLOWER SO THAT A NEGATIVE PRESSURE OR AN OVERPRESSURE IS PRODUCED.THE PRESSURE</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>MEASURING SENSORS OF THE MEASURING SYSTEM REGISTER THEEXTERNAL AND INTERNAL PRESSURE AS WELL AS THE INCOMING AIR VOLUME, WHICH THE BLOWER PRODUCES. IN CASE THE ENCLOSURE HAS LEAKS THE EXISTING AIRFLOWS IN IT ARE LOCALIZED AND QUANTIFIED BY FOG OR AN AIR VELOCITYMEASURING DEVICE.FOR FURTHER LOCALIZATION OF LEAKS A FOG GENERATOR PRODUCES ARTIFICIALFOG WITHIN THE ROOM, WHICH IS PRESSED OUTWARD THROUGH LEAKS OF THEENCLOSURE. THIS PROCESS MAKES LEAKS VISIBLE.#2.1.2#PREPARATION:BEFORE STARTING THE TEST, ALL DOORS AND WINDOWS AND OPENINGS IN THEENCLOSURE ENVELOPE ARE SET TO THE STATE THEY WOULD BE DURING THE HOLDTIME. THE OBJECTS WERE PREPARED AS FOLLOWS:§#CLOSE THE FLAP§#SWITCH OF VENTILATION-SYSTEMS§#VISUAL INSPECTION OF THE OBJECT TO FIND</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>TEMPORARY LEAKAGES SUCH ASCABLE PENETRATIONSTHE PREPARATION OF THE OBJECTS TO BE VERIFIED BY THE CLIENT.1.2#LEAKAGE DEDUCTION:TO DETERMINE THE MAIN LEAKAGES, THE WHOLE ENCLOSURE IS SET UNDERNEGATIVE PRESSURE. IN THIS CASE AIR FRO M OUTSIDE STREAMS THROUGH THELEAKAGES IN THE ENCLOSURE AND CAN BE DETECTED.1.3#STANDARDS AND QUALITY ASSURANCE:\$#NFPA 2001 "STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS" 2012EDITION (APPENDIX C ENCLOSURE INTEGRITY PROCEDURE), EDITED BY NATIONALFIRE PROTECTIO N ASSOCIATION (NFPA); JUNE 2011.\$#CAN/CGSB-149.10-M86, DETERMINATION OF THE AIRTIGHTNESS OF BUILDINGENVELOPES BY THE FAN DEPRESSURIZ ATION METHOD, EDITED BY CANADIAN GENERALSTANDARDS BOARD (CGSB); DECEMBER 1986\$#THE QUALITY ASSURANCE REFERS TO DIN EN ISO 17025.4.#T</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			ECHNICAL REPORTS:#CONTRACTOR HAS TO SUBMIT PRELIMINARY REPORT WITHIN 2 (TWO) DAYS OFTHE TEST FOLLOWED BY FINAL REPORT WITHIN 15 (FI FTEEN) DAYS. JOBCOMPLETION CERTIFICATE IS TO BE SUBMITTED ALONG WITH THE FINAL REPORT.FOR CONTACT -CONTACT: MR. HAMAD (0509195771), NAZAR (050-2806076)HAMAD.ALNUAIMI@DEWA.GOV.AE						
2		ITEM-00001	PLEASE SEND RFX TO M/S. IIG INSULATION LLC, ALONG WITH OTHER COMPANIES.COMPLETE JOB SCOPE: MOBILIZATION & CHARGES OF EQUIPMENT'S & S PECIALISTSAND REPORTING AFTER TEST AS PER BELOW TECHNICAL SPECIFICATIONS -1.#MATERIAL & METHODS:1.1#PRINCIPLE:THE BLOWER-DOOR TESTIN G IS CARRIED OUT ACCORDING TO THE #DIN EN 13829# /#NFPA 850# / #NFPA 2001# (EDITION 2008, ANNEX C).IN NFPA 2001 (EDITION 2008 / ANNE X C) A METHOD IS DESCRIBED TO EVALUATEFIRE EXTINGUISHING SYSTEMS BASED ON A DOOR FAN	1	AU				

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>TEST. THE CALCULATIONMETHOD MAKES IT POSSIBLE T O PREDICT THE TIME FOR THE CONCENTRATION TOFALL TO A GIVEN PERCENTAGE CONCENTRATION. THIS PROCEDURE PROVIDES AWORST-CASE LEAKAGE EST IMATE THAT IS VERY USEFUL FOR ENCLOSURES WITHCOMPLEX HIDDEN LEAKS, BUT IT WILL GENERALLY REQUIRE MORE SEALING THAN ISNECESSARY TO PA SS A DISCHARGE TEST. IN THIS PROJECT ONLY THEDOOR-FAN-TEST WITH LEAKAGE CALCULATIONS ARE TO BE PERFORMED.2.1.1#DOOR-FAN-TEST:DOOR FA N TESTS ARE USED TO EXAMINE THE AIR TIGHTNESS OF CONSTRUCTIONENVELOPES/GT ENCLOSURE. IN ORDER TO ACHIEVE THIS FOR THE TESTEDENVELOPE S, A FLOW FAN CREATES A LOCAL DIFFERENTIAL PRESSURE REFERENCEDAGAINST AMBIENT AIR PRESSURE. THE DOOR-FAN-TEST-EQUIPMENT CONSISTS OF AFLOW FAN AND A FLEXIBLE FRAME</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			CONSTRUCTION SET WHICH IS INSTALLED AIRTIGHTLY INTO A DOOR. BY USING SPEED CONTROL, THE FLOW RATE CREATED BY THE FAN CAN BE ADAPTED AT A VARIABLE RANGE. THE DIFFERENTIAL PRESSURE IS MEASURED AUTOMATICALLY BY A COMPUTER-CONTROLLED PRESSURE GAUGE (APT: AUTOMATED PERFORMANCE TESTING) WITH EIGHT CHANNELS. ACCORDING TO NFPA2001 THE PRESSURE DIFFERENCE SHOULD BE SET TO MINIMIZE ENVIRONMENTAL FACTORS, SUCH AS WIND PRESSURE (USUALLY 10 PA). AN ADDITIONAL TEST POINT AT 50 PA (IF POSSIBLE) IS REQUIRED TO CALCULATE THE FLOW EXPONENT. THE FINAL VALUE FOR THE LEAKAGE CHARACTERISTICS N AND K1 (ACCORDING TO NFPA 2001) IS DETERMINED BY USING ORDINARY LEAST SQUARES REGRESSION OBTAINED UNDER BOTH A POSITIVE AND NEGATIVE PRESSURE. BASED ON THE LEAKAGE CHARACTERISTICS THE EQUIVALENT LEAKAGE AREA (EQLA) CAN BE CALCULATED.						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>EQLA IS DEFINED BY CANADIAN RESEARCHERS AT THE CANADIANNATIONAL RESEARCH COUNCIL AS THE AREA OF A SHARP EDGED ORIFICE (A SHARP ROUND HOLE CUT IN A THIN PLATE) THAT WOULD LEAK THE SAME AMOUNT OF AIR AS THE BUILDING DOES AT A PRESSURE OF 10 PASCALS (CAN/CGSB-149.10-M86). EQLA IS NOT ESSENTIAL TO CALCULATE RETENTION TIME BUT A QUALITY PARAMETER FOR ENCLOSURE ENVELOPES. THE ACCURACY OF THE PROCEDURE CAN BE SET AT 10%. THE FIRST STEP OF THE BLOWER DOOR TEST IS A VISUAL INSPECTION OF THE ACOUSTIC ENCLOSURE TO BE TESTED. SCOPE OF THIS INSPECTION IS TO IDENTIFY EVIDENT LEAKAGE AREAS TO PERMIT THE CLIENT TO CLOSE THEM BEFORE STARTING OF THE TEST. TO CARRY OUT THE MEASUREMENT A CALIBRATED PRESSURE GAUGE (BLOWER WITH PRESSURE GAUGE) IS INSERTED INTO AN OUTER DOOR</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>R OF THE ACOUSTIC ENCLOSURE. ALL FURTHER OPENINGS SUCH AS EXTERNAL DOORS AND FLAPS, HAVE TO BE CLOSED IN ACCORDANCE WITH REGULATIONS.</p> <p>URING THIS TESTING AIR IS CONTINUOUSLY SUCKED OUT OF THE ENCLOSURE (NEGATIVE PRESSURE) OR LET INTO THE ENCLOSURE (OVERPRESSURE) USING A BLOWER SO THAT A NEGATIVE PRESSURE OR AN OVERPRESSURE IS PRODUCED. THE PRESSURE MEASURING SENSORS OF THE MEASURING SYSTEM REGISTER THE EXTERNAL AND INTERNAL PRESSURE AS WELL AS THE INCOMING AIR VOLUME, WHICH THE BLOWER PRODUCES. IN CASE THE ENCLOSURE HAS LEAKS THE EXISTING AIR FLOWS IN IT ARE LOCALIZED AND QUANTIFIED BY FOG OR AN AIR VELOCITY MEASURING DEVICE. FOR FURTHER LOCALIZATION OF LEAKS A FOG GENERATOR PRODUCES ARTIFICIAL FOG WITHIN THE ROOM, WHICH IS PRESSED OUTWARD THROUGH LEAKS OF THE ENCLOSURE. THIS</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>PROCESS MAKES LEAKS VISIBLE.#2.1.2#PREPARATION:BEFORE STARTING THE TEST, ALL DOORS AND WINDOWS AND OPENINGS IN THE ENCLOSURE ENVELOPE ARE SET TO THE STATE THEY WOULD BE DURING THE HOLD TIME. THE OBJECTS WERE PREPARED AS FOLLOWS:§#CLOSE THE FLAPS§#SWITCH OF VENTILATION-SYSTEMS§#VISUAL INSPECTION OF THE OBJECT TO FIND TEMPORARY LEAKAGES SUCH AS CABLE PENETRATION THE PREPARATION OF THE OBJECTS TO BE VERIFIED BY THE CLIENT.1.2#LEAKAGE DEDUCTION:TO DETERMINE THE MAIN LEAKAGES, THE WHOLE ENCLOSURE IS SET UNDER NEGATIVE PRESSURE. IN THIS CASE AIR FROM OUTSIDE STREAMS THROUGH THE LEAKAGES IN THE ENCLOSURE AND CAN BE DETECTED.1.3#STANDARDS AND QUALITY ASSURANCE:§#NFPA 2001 "STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS" 2012 EDITION (APPENDIX C ENCLOSURE INTEGRITY</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			PROCEDURE), EDITED BY NATIONALFIRE PROTECTIO N ASSOCIATION (NFPA); JUNE 2011.§#CAN/CGSB-149.10-M86, DETERMINATION OF THE AIRTIGHTNESS OF BUILDINGENVELOPES BY THE FAN DEPRESSURIZ ATION METHOD, EDITED BY CANADIAN GENERALSTANDARDS BOARD (CGSB); DECEMBER 1986§#THE QUALITY ASSURANCE REFERS TO DIN EN ISO 17025.4.#T ECHNICAL REPORTS:-#CONTRACTOR HAS TO SUBMIT PRELIMINARY REPORT WITHIN 2 (TWO) DAYS OFTHE TEST FOLLOWED BY FINAL REPORT WITHIN 15 (FI FTEEN) DAYS. JOBCOMPLETION CERTIFICATE IS TO BE SUBMITTED ALONG WITH THE FINAL REPORT.FOR CONTACT -CONTACT: MR. HAMAD (0509195771), NAZAR (050-2806076)HAMAD.ALNUAIMI@DEWA.GOV.AE						
3		ITEM-00001	PLEASE SEND RFX TO M/S. IIG INSULATION LLC, ALONG WITH OTHER COMPANIES.COMPLETE JOB SCOPE: MOBILIZATION & CHARGES OF	1	AU				

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>EQUIPMENT'S & S PECIALISTSAND REPORTING AFTER TEST AS PER BELOW TECHNICAL SPECIFICATIONS -1.#MATERIAL & METHODS:1.1#PRINCIPLE:THE BLOWER-DOOR TESTIN G IS CARRIED OUT ACCORDING TO THE #DIN EN 13829# /#NFPA 850# / #NFPA 2001# (EDITION 2008, ANNEX C).IN NFPA 2001 (EDITION 2008 / ANNE X C) A METHOD IS DESCRIBED TO EVALUATEFIRE EXTINGUISHING SYSTEMS BASED ON A DOOR FAN TEST. THE CALCULATIONMETHOD MAKES IT POSSIBLE T O PREDICT THE TIME FOR THE CONCENTRATION TOFALL TO A GIVEN PERCENTAGE CONCENTRATION. THIS PROCEDURE PROVIDES AWORST-CASE LEAKAGE EST IMATE THAT IS VERY USEFUL FOR ENCLOSURES WITHCOMPLEX HIDDEN LEAKS, BUT IT WILL GENERALLY REQUIRE MORE SEALING THAN ISNECESSARY TO PA SS A DISCHARGE TEST. IN THIS PROJECT ONLY THEDOOR-FAN-TEST WITH LEAKAGE CALCULATIONS ARE TO BE</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>PERFORMED.2.1.1#DOOR-FAN-TEST:DOOR FA N TESTS ARE USED TO EXAMINE THE AIR TIGHTNESS OF CONSTRUCTIONENVELOPES/GT ENCLOSURE. IN ORDER TO ACHIEVE THIS FOR THE TESTEDENVELOPE S, A FLOW FAN CREATES A LOCAL DIFFERENTIAL PRESSURE REFERENCEDAGAINST AMBIENT AIR PRESSURE. THE DOOR-FAN-TEST-EQUIPMENT CONSISTS OF AFLOW FAN AND A FLEXIBLE FRAME CONSTRUCTION SET WHICH IS INSTALLED AIRTIGHTLY INTO A DOOR. BY USING SPEED CONTROL, THE FLOW RATE CRE ATED BYTHE FAN CAN BE ADAPTED AT A VARIABLE RANGE. THE DIFFERENTIAL PRESSURE ISMEASURED AUTOMATICALLY BY A COMPUTER-CONTROLLED PRESS URE GAUGE (APT:AUTOMATED PERFORMANCE TESTING) WITH EIGHT CHANNELS. ACCORDING TO NFPA2001 THE PRESSURE DIFFERENCE SHOULD BE SET TO MI NIMIZE ENVIRONMENTALFACTORS, SUCH AS WIND PRESSURE (USUALLY 10 PA). AN ADDITIONAL TEST</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			POINTAT 50 PA (IF POSSIBLE) IS REQUIRED TO CALCULATE THE FLOW EXPONENT.THE FINAL VALUE FOR THE LEAKAGE CHARACTERISTICS N AND K1 (ACCORDING TONFPA 2001) IS DETERMINED BY USING OR DINARY LEAST SQUARES REGRESSIONOBTAINED UNDER BOTH A POSITIVE AND NEGATIVE PRESSURE. BASED ON THELEAKAGE CHARACTERISTICS THE EQUIVAL ENT LEAKAGE AREA (EQLA) CAN BECALCULATED. EQLA IS DEFINED BY CANADIAN RESEARCHERS AT THE CANADIANNATIONAL RESEARCH COUNCIL AS THE AR EA OF A SHARP EDGED ORIFICE (A SHARPROUND HOLE CUT IN A THIN PLATE) THAT WOULD LEAK THE SAME AMOUNT OF AIRAS THE BUILDING DOES AT A PRESSURE OF 10 PASCALS (CAN/CGSB-149.10-M86).EQLA IS NOT ESSENTIAL TO CALCULATE RETENTION TIME BUT A QUALITYPARAMETER FOR ENCLOSURE ENVELOPES. THE ACCURACY OF THE PROCEDURE CAN BESET AT 10%.THE FIRST STEP OF THE						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>BLOWER DOOR TEST IS A VISUAL INSPECTION OF THEACOUSTIC ENCLOSURE TO BE TESTED. SCOPE OF THIS INSPECTION IS TO IDENTIFYEVIDENT LEAKAGE AREAS TO PERMIT THE CLIENT TO CLOSE THEM BEFORE STARTINGOF THE TEST.TO CARRY OUT THE MEASUREMENT A CALIBRATED PRESSURE GAUGE (BLOWER WITHPRESSURE GAUGE) IS INSERTED INTO AN OUTER DOOR OF THE ACOUSTICENCLOSURE. ALL FURTHER OPENINGS SUCH AS EXTERNAL DOORS AND FLAPS, HAVETO BE CLOSED IN ACCORDANCE WITH REGULATIONS.DURING THIS TESTING AIR IS CONTINUOUSLY SUCKED OUT OF THE EN-CLOSURE(NEGATIVE PRESSURE) OR LET INTO THE ENCLOSURE (OVERPRESSURE) USING A BLOWER SO THAT A NEGATIVE PRESSURE OR AN OVERPRESSURE IS PRODUCED.THE PRESSURE MEASURING SENSORS OF THE MEASURING SYSTEM REGISTER THEEXTERNAL AND INTERNAL PRESSURE AS</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>WELL AS THE INCOMING AIR VOLUME, WHICH THE BLOWER PRODUCES. IN CASE THE ENCLOSURE HAS LEAKS THE EXISTING AIRFLOWS IN IT ARE LOCALIZED AND QUANTIFIED BY FOG OR AN AIR VELOCITY MEASURING DEVICE. FOR FURTHER LOCALIZATION OF LEAKS A FOG GENERATOR PRODUCES ARTIFICIAL FOG WITHIN THE ROOM, WHICH IS PRESSED OUTWARD THROUGH LEAKS OF THE ENCLOSURE. THIS PROCESS MAKES LEAKS VISIBLE.</p> <p>#2.1.2# PREPARATION: BEFORE STARTING THE TEST, ALL DOORS AND WINDOWS AND OPENINGS IN THE ENCLOSURE ENVELOPE ARE SET TO THE STATE THEY WOULD BE DURING THE HOLD TIME. THE OBJECTS WERE PREPARED AS FOLLOWS: #CLOSE THE FLAPS# SWITCH OF VENTILATION SYSTEMS# VISUAL INSPECTION OF THE OBJECT TO FIND TEMPORARY LEAKAGES SUCH AS CABLE PENETRATION THE PREPARATION OF THE OBJECTS TO BE VERIFIED BY THE</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			<p>CLIENT.1.2#LEAKAGE DEDUCTION:TO DETERMINE THE MAIN LEAKAGES, THE WHOLE ENCLOSURE IS SET UNDERNEGATIVE PRESSURE. IN THIS CASE AIR FRO</p> <p>M OUTSIDE STREAMS THROUGH THELEAKAGES IN THE ENCLOSURE AND CAN BE DETECTED.1.3#STANDARDS AND QUALITY ASSURANCE:§#NFPA 2001 "STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS" 2012EDITION (APPENDIX C ENCLOSURE INTEGRITY PROCEDURE), EDITED BY NATIONALFIRE PROTECTIO</p> <p>N ASSOCIATION (NFPA); JUNE 2011.§#CAN/CGSB-149.10-M86, DETERMINATION OF THE AIRTIGHTNESS OF BUILDINGENVELOPES BY THE FAN DEPRESSURIZ</p> <p>ATION METHOD, EDITED BY CANADIAN GENERALSTANDARDS BOARD (CGSB); DECEMBER 1986§#THE QUALITY ASSURANCE REFERS TO DIN EN ISO 17025.4.#T</p> <p>ECHNICAL REPORTS:-#CONTRACTOR HAS TO SUBMIT PRELIMINARY REPORT WITHIN 2 (TWO) DAYS OFTHE TEST FOLLOWED BY FINAL REPORT</p>						

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			WITHIN 15 (FI FTEEN) DAYS. JOBCOMPLETION CERTIFICATE IS TO BE SUBMITTED ALONG WITH THE FINAL REPORT.FOR CONTACT -CONTACT: MR. HAMAD (0509195771), NAZAR (050-2806076)HAMAD.ALNUAIMI@DEWA.GOV.AE						

TOTAL AMOUNT IN WORDS:

TOTAL AMOUNT:

SPECIAL NOTES / INSTRUCTIONS:

Blow-door test for GT enclosure of K station unit GTK53 including
equipment <(>&<)> specialist charges and reporting.
Job scheduled in 2nd quarter of 2026
Contact: Mr. Hamad (0509195771), Nazar (050-2806076)
hamad.alnuaimi@dewa.gov.ae

STANDARD TERMS & CONDITIONS

1) Prices should be 'DDP' delivery duty paid at DEWA stores.

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332502250
DATE : 08.09.2025
REQ No : 1032504252
REQ TITLE : Blow-door test for GT enclosu
DELIVERY LOCATION
CLOSING DATE : 16.09.2025
CLOSING TIME : 10:00:00

- 2) Quotation to be submitted only in local currency U.A.E Dirhams
- 3) DEWA Standard payment terms is '30 days credit' from the date of acceptance of material
- 4) No DEWA staff or his or her relatives up to third degree should have ownership or partnership in your company, and your participation in DEWA tenders / RFQs should not constitute a Conflict or perceived Conflict of Interest.
- 5) The offered product and/ or services in the Quotation, shall be conforming and in accordance with DEWA Energy Management Policy & EnMS Manual.

SUPPLIER'S REMARKS :

SUPPLIER'S SIGNATURE AND STAMP