

Url: <https://www.urp.cnr.it/196876-2024>

Sede Secondaria "Centro BEC" di Trento

Dipartimento di Fisica - Università Trento, Via Sommarive, 14 - 38123 Povo (TN)- Trento

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Stipula Trattativa Diretta MePA num.4434362 (ordine INO n. 102/TN)

Trento, 10 luglio 2024

Spett.le

On Optics! snc (C.F.:03993290133)

Via Martiri della Libertà n.18/6 22072 - Cermenate (CO)

PEC/Email: onoptics@pec.it

Provvedimento di Aggiudicazione ed Impegno: protocollo CNR-INO numero 241314 del 10/07/2024

Proposta di Aggiudicazione del Responsabile Unico del Progetto (RUP) protocollo CNR-INO numero 230626 del 03/07/2024

Vi preghiamo di fornirci i Beni sotto riportati:

Descrizione	Quantità	Prezzo Unitario	Prezzo Totale
SSH-25RA-W + SSH-CA2-LORA + SSH-C4RA - OPTOSIGMA Optical Beam Shutter with Controller (4-axes controller)	4	750,0000	3.000,0000
SSH-25RA-W + SSH-CA2-LORA + SSH-C4RA - OPTOSIGMA Optical Beam Shutter with Controller (4-axes controller)	3	180,0000	540,0000
6-Axis Locking Kinematic Mount for Ø1" Optics	2	285,0000	570,0000
SM1-Threaded Dual-Position Slider Bundle with Interface Board and Cables	1	308,7391	308,7391
Ø2" Clear-Edge Kinematic Mirror Mount 2 Adjusters, HIGH PRECISION	5	95,0000	475,0000
Rotation Mount for Ø1/2" (Ø12.7 mm) Optics M4 Tap	5	65,0000	325,0000
Lens Mount with Retaining Ring for Ø1" Optics M4 Tap 5 Pack	5	75,0000	375,0000
Rotation Mounting Ring for LM1-A Ø1" Optic Carriage M4 Tap	20	26,7050	534,1000
Rotating Inner Carriage for Ø1" Optics One SM1RR Retaining Ring	20	22,9891	459,7820
Water-Cooled Breadboard 300 mm x 300 mm x 12.7 mm M6 Taps	2	606,8804	1.213,7608
Aluminum Breadboard 300 mm x 600 mm x 19.05 mm M6 Taps	3	395,1957	1.185,5871
Ø12.7 mm Post Holder L=25 mm 5 Pack	2	38,0000	76,0000
Ø12.7 mm Post Holder L=40 mm 5 Pack	2	38,0000	76,0000
Ø12.7 mm Post Holder L=65 mm 5 Pack	2	38,0000	76,0000
Pedestal Base Adapter M6 Thread 5 Pack	10	50,0000	500,0000
Ø12.7 mm Universal Post Holder Spring-Loaded Locking Thumbscrew L = 30 mm 5 Pack	1	163,3913	163,3913
Ø12.7 mm Universal Post Holder Spring-Loaded Locking Thumbscrew L = 40 mm 5 Pack	1	166,1957	166,1957
Clamping Fork Slot Universal 5 Pack, MIDI	5	43,5000	217,5000
Clamping Fork Slot Universal 5 Pack, MAXI	5	53,0000	265,0000
Ø1" and Ø1.5" Pedestal Post Table Clamp	10	8,9022	89,0220
Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 20 mm 5 Pack	4	22,9783	91,9132
Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 30 mm 5 Pack	4	22,9783	91,9132
Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 40 mm 5 Pack	4	24,0978	96,3912
Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 50 mm 5 Pack	4	25,1630	100,6520
Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 75 mm 5 Pack	4	26,2717	105,0868
Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 100 mm 5 Pack	4	28,4565	113,8260
Ø25.0 mm Pedestal Pillar Post M4 Taps L = 12.5 mm	5	21,7500	108,7500
Ø25.0 mm Pedestal Pillar Post M4 Taps L = 19 mm	5	23,6522	118,2610
Ø25.0 mm Pedestal Pillar Post M4 Taps L = 25 mm	5	24,2283	121,1415

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	5	26,2391	131,1955
Ø25.0 mm Pedestal Pillar Post M4 Taps L = 38 mm			
Kinematic Prism Mount complete of CLAMP	10	80,0000	800,0000
Laser Safety Glasses Amber Lenses 25% Visible Light Transmission Sport Style	5	120,0000	600,0000
Laser Safety Glasses Amber Lenses 35% Visible Light Transmission Sport Style	5	130,0000	650,0000
Laser Safety Glasses Purple Lenses 15% Visible Light Transmission Sport Style	5	100,0000	500,0000
Lens Tissues 25 Sheets per Booklet 50 Booklets in a Closeable Box	5	88,0978	440,4890
VIS/IR Detector Card 400 - 640 nm 800 - 1700 nm	3	89,2065	267,6195
N-SF11 Bi-Concave Lens Ø25.4 mm f = -25.0 mm ARC: 350-700 nm	2	47,5978	95,1956
f=-50.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 350 - 700 nm	2	113,7935	227,5870
f=-75.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 350 - 700 nm	1	119,4348	119,4348
f=-100.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 350 - 700 nm	2	113,7935	227,5870
f=-150.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 350 - 700 nm	1	113,7935	113,7935
f=-200.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 350 - 700 nm	1	119,4348	119,4348
f=-400.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 350 - 700 nm	1	134,0870	134,0870
N-SF11 Bi-Concave Lens Ø25.4 mm f = -25.0 mm ARC: 1050-1700 nm	2	50,9891	101,9782
f=-50.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 1050 - 1700 nm	2	118,3043	236,6086
f=-75.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 1050 - 1700 nm	1	122,8370	122,8370
f=-100.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 1050 - 1700 nm	2	118,3043	236,6086
f=-150.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 1050 - 1700 nm	1	118,3043	118,3043
f=-200.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 1050 - 1700 nm	1	122,8370	122,8370
f=-400.0 mm Ø1" N-BK7 Mounted Plano-Concave Round Cyl Lens ARC: 1050 - 1700 nm	1	137,4674	137,4674
f = 50.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC 350-700	1	113,7935	113,7935
f = 75.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC 350-700	1	119,4348	119,4348
f = 100.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC 350-700	1	113,7935	113,7935
f = 150.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC 350-700	1	113,7935	113,7935
f = 200.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC 350-700	1	119,4348	119,4348
f = 250.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC 350-700	1	123,9565	123,9565
f = 300.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC 350-700	1	123,9565	123,9565
f = 400.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC 350-700	1	123,9565	123,9565
f = 500.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC 350-700	1	134,0870	134,0870
f = 50.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC: 1050 - 1700 nm	1	118,3043	118,3043
f = 75.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC: 1050 - 1700 nm	1	122,8370	122,8370
f = 100.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC: 1050 - 1700 nm	1	118,3043	118,3043
f = 150.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC: 1050 - 1700 nm	1	118,3043	118,3043

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	1	122,8370	122,8370
f = 200.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC: 1050 - 1700 nm			
f = 250.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC: 1050 - 1700 nm	1	128,4565	128,4565
f = 300.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC: 1050 - 1700 nm	1	128,4565	128,4565
f = 400.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC: 1050 - 1700 nm	1	128,4565	128,4565
f = 500.0 mm Ø1" N-BK7 Mounted Plano-Convex Round Cyl Lens ARC: 1050 - 1700 nm	1	137,4674	137,4674
N-BK7 Plano-Convex Lens Ø2" f = 60 mm AR Coating: 350 - 700 nm	1	51,2609	51,2609
N-BK7 Plano-Convex Lens Ø2" f = 75 mm AR Coating: 350 - 700 nm	1	48,1848	48,1848
N-BK7 Plano-Convex Lens Ø2" f = 100 mm AR Coating: 350 - 700 nm	1	43,9457	43,9457
N-BK7 Plano-Convex Lens Ø2" f = 125 mm AR Coating: 350 - 700 nm	1	43,9457	43,9457
N-BK7 Plano-Convex Lens Ø2" f = 150 mm AR Coating: 350 - 700 nm	1	43,3913	43,3913
N-BK7 Plano-Convex Lens Ø2" f = 175 mm AR Coating: 350 - 700 nm	1	61,9565	61,9565
N-BK7 Plano-Convex Lens Ø2" f = 200 mm AR Coating: 350 - 700 nm	1	43,3913	43,3913
N-BK7 Plano-Convex Lens Ø2" f = 250 mm AR Coating: 350 - 700 nm	1	61,9565	61,9565
N-BK7 Plano-Convex Lens Ø2" f = 300 mm AR Coating: 350 - 700 nm	1	45,3587	45,3587
N-BK7 Plano-Convex Lens Ø2" f = 400 mm AR Coating: 350 - 700 nm	1	45,6413	45,6413
N-BK7 Plano-Convex Lens Ø2" f = 500 mm AR Coating: 350 - 700 nm	1	45,6413	45,6413
N-BK7 Plano-Convex Lens Ø2" f = 750 mm AR Coating: 350 - 700 nm	1	59,4457	59,4457
N-BK7 Plano-Convex Lens Ø2" f = 60 mm AR Coating: 1050 - 1700 nm	1	53,8152	53,8152
N-BK7 Plano-Convex Lens Ø2" f = 75 mm AR Coating: 1050 - 1700 nm	1	50,7174	50,7174
N-BK7 Plano-Convex Lens Ø2" f = 100 mm AR Coating: 1050 - 1700 nm	1	46,7609	46,7609
N-BK7 Plano-Convex Lens Ø2" f = 125 mm AR Coating: 1050 - 1700 nm	1	46,4891	46,4891
N-BK7 Plano-Convex Lens Ø2" f = 150 mm AR Coating: 1050 - 1700 nm	1	46,1848	46,1848
N-BK7 Plano-Convex Lens Ø2" f = 175 mm AR Coating: 1050 - 1700 nm	1	64,2283	64,2283
N-BK7 Plano-Convex Lens Ø2" f = 200 mm AR Coating: 1050 - 1700 nm	1	46,1848	46,1848
N-BK7 Plano-Convex Lens Ø2" f = 250 mm AR Coating: 1050 - 1700 nm	1	64,2280	64,2280
N-BK7 Plano-Convex Lens Ø2" f = 300 mm AR Coating: 1050 - 1700 nm	1	48,1848	48,1848
N-BK7 Plano-Convex Lens Ø2" f = 400 mm AR Coating: 1050 - 1700 nm	1	48,1848	48,1848
N-BK7 Plano-Convex Lens Ø2" f = 500 mm AR Coating: 1050 - 1700 nm	1	48,1848	48,1848
N-BK7 Plano-Convex Lens Ø2" f = 750 mm AR Coating: 1050 - 1700 nm	1	61,9565	61,9565
N-BK7 Plano-Convex Lens Ø2" f = 1000 mm AR Coating: 1050 - 1700 nm	1	61,9565	61,9565
N-BK7 Plano-Convex Lens Ø1" f = 50 mm AR Coating: 350 - 700 nm	2	35,3587	70,7174
N-BK7 Plano-Convex Lens Ø1" f = 50 mm AR Coating: 1050 - 1700 nm	2	38,8696	77,7392
N-BK7 Plano-Convex Lens Ø1" f = 500 mm AR Coating: 1050 - 1700 nm	1	36,3478	36,3478
N-BK7 Plano-Concave Lens Ø1" f = -50.0 mm AR Coating: 350-700 nm	2	33,5217	67,0434
N-BK7 Plano-Concave Lens Ø1" f = -50 mm AR Coating: 1050-1700 nm	2	37,1739	74,3478
Ø2" Broadband Dielectric Mirror 400 - 750 nm	5	140,0000	700,0000
2" Broadband Dielectric Elliptical Mirror 400 - 750 nm	3	237,2935	711,8805
2" Broadband Dielectric Elliptical Mirror 750 - 1100 nm	3	212,9565	638,8695
50:50 Non-Polarizing Beamsplitter Cube 420 - 700 nm 1"	2	190,0000	380,0000
2" Polarizing Beamsplitter Cube 420 - 680 nm	1	874,3804	874,3804
Si Detector 200 - 1100 nm 1 ns Rise Time 0.8 mm² Universal 8-32 / M4 Mounting Holes	2	172,3261	344,6522
Si Detector 350 - 1100 nm 14 ns Rise Time 13 mm² Universal 8-32 / M4 Mounting Holes	2	133,6630	267,3260
InGaAs Detector 900 - 1700 nm 10 ns Rise Time 0.8 mm² Universal 8-32 / M4			

	1	334,6413	334,6413
Mounting Holes			
Free-Space Balanced Photodetector Si 5 mm Active Diameter 320-1060 nm M4 Taps	1	1.111,5978	1.111,5978
InGaAs Photodiode 300 ps Rise Time 800-1700 nm Ø150 µm Active Area	3	60,9457	182,8371
InGaAs Photodiode 2.5 ns Rise Time 800-1700 nm Ø0.5 mm Active Area	3	154,3796	463,1388
InGaAs Photodiode 10 ns Rise Time 900-1700 nm Ø1 mm Active Area	3	172,6957	518,0871
5 GHz InGaAs Free-Space Photodetector with Lens 800 - 1700 nm M4 Tap	1	308,7391	308,7391
Si Switchable Gain Detector 350 - 1100 nm 12 MHz BW 13 mm² Universal 8-32 / M4 Taps	1	354,5978	354,5978
Standard Photodiode Power Sensor Si 400 - 1100 nm 500 nW - 500 mW	2	367,3370	734,6740
Ø2" Shortpass Dichroic Mirror 900 nm Cutoff	1	632,1196	632,1196
Ø2" Longpass Dichroic Mirror 567 nm Cut-On	2	344,7826	689,5652
Hard-Coated Bandpass Filter Ø25 mm CWL = 590 nm FWHM = 10 nm	3	156,1957	468,5871
2.0° 350 - 700 nm AR Coated UVFS Ø1" (Ø25.4 mm) Axicon	2	563,3913	1.126,7826
5.0° 350 - 700 nm AR Coated UVFS Ø1" (Ø25.4 mm) Axicon	2	563,3913	1.126,7826
2.0° 1050 - 1700 nm AR Coated UVFS Ø1" (Ø25.4 mm) Axicon	1	563,3913	563,3913
Standard Photodiode Power Sensor Si 400 - 1100 nm 500 nW - 500 mW	2	367,3370	734,6740
PM Patch Cable PANDA 488 nm Ø3 mm Jacket FC/APC 2 m Long	1	275,2500	275,2500
532 nm 40 mW E Pin Code DPSS Laser	1	201,6957	201,6957
Black Nylon Polyurethane-Coated Fabric 5' x 9' (1.5 m x 2.7 m) x 0.005" (0.12 mm) Thick	10	60,1087	601,0870
24" x 36" (609.9 mm x 914.4 mm) Adhesive Mat 30 Sheets	4	60,0000	240,0000
SM1 Lens Tube 10mm Thread Depth SM1RR Retaining Ring 5 Pack	3	60,0000	180,0000
SM1 Lens Tube 1.50" Thread Depth One Retaining Ring Included	10	16,0978	160,9780
SM1 Lens Tube 50mm Thread Depth SM1RR Retaining Ring 5 Pack	2	81,0000	162,0000
Unmounted Ø25 mm Absorptive ND Filter Optical Density: 1.0	10	25,0000	250,0000
Unmounted Ø25 mm Absorptive ND Filter Optical Density: 2.0	5	25,0000	125,0000
Unmounted Ø25 mm Absorptive ND Filter Optical Density: 1.3	5	38,6087	193,0435
Unmounted Ø25 mm Absorptive ND Filter Optical Density: 0.3	5	25,0000	125,0000
Ø2" 10:90 (R:T) UVFS Plate Beamsplitter Coating: 400-700 nm t = 8 mm	1	212,9565	212,9565
2.3 MP Monochrome CMOS Camera External Trigger, 160fps, 3.45µm pixel size	2	502,0000	1.004,0000
RG-174 Coaxial Cable MMCX Male to SMA Male 1 m (39")	4	29,1520	116,6080
		Imponibile	37.999,04
		IVA 22%	8.359,79
		Totale Ordine in EUR	46.358,83

CIG: B211CADE37

CUP: B53C22004180005

Acquisto effettuato nell'ambito del PNRR per la Missione 4, Componente 2, Avviso 341/2022, Progetto NQSTI, cod. "PE00000023", CUP:B53C22004180005, CIG:B211CADE37

(I suddetti riferimenti insieme al CIG ed al CUP sono da indicare obbligatoriamente in fattura)

Fatturare a: CNR-INO Sede Secondaria "Centro BEC" di Trento - Dipartimento di Fisica - Università Trento, Via Sommarive, 14 - 38123 Povo (TN)- Trento - C.F. 80054330586 - P.I. 02118311006

Destinazione Merce: Dipartimento di Fisica - Università Trento, Via Sommarive, 14 - 38123 Povo (TN)- Trento.

Trasporto: Franco Destino

Imballo: gratuito

Tempi di consegna: entro 100 giorni dall'ordine

Pagamento: Bonifico bancario entro 30 giorni dalla verifica della prestazione che sarà effettuata entro 30 giorni dalla ricezione della fattura

IBAN: IT88P0623033840000015137945

Responsabile Unico del Progetto (RUP): Zenesini Alessandro

Acquisto effettuato nell'ambito del progetto: PRR.AP018.001 Spoke_3_PE_National Quantum Science and Technology Institute_INO

Il presente ordine deve essere fatturato in unica soluzione salvo diversa autorizzazione da parte della Stazione Appaltante. In fattura indicare il numero e la data del presente ordine.

PER L'EMISSIONE DI FATTURA ELETTRONICA, SECONDO QUANTO DISPOSTO DALLA L.244/2007 ART.1 COMMA 209 E DAL

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DL.66/2014 IL CODICE UNIVOCO UFFICIO (CUU) E' IL SEGUENTE: 45VU14

IVA SPLIT PAYMENT COME DISPOSTO DAL D.L. N.50/2017 PER LA MODIFICA DELL'ART. 17TER DEL D.P.R. N. 633/72

Il fornitore assume tutti gli obblighi di tracciabilità dei flussi finanziari di cui all'art. 3 della legge 13 agosto 2010 n. 136 e successive modifiche. Il mancato utilizzo del bonifico bancario o postale ovvero degli altri strumenti di incasso o pagamento idonei a consentire la piena tracciabilità delle operazioni costituisce causa di risoluzione del contratto ai sensi dell'art. 3, comma 9 bis, della L. 136/2010.

Il fornitore si impegna a dare immediata comunicazione al CNR - ISTITUTO NAZIONALE DI OTTICA ed alla Prefettura - Ufficio Territoriale del Governo della provincia di Firenze della notizia dell'inadempimento della propria controparte (subappaltatore/subcontraente) agli obblighi di tracciabilità finanziaria.

Clausola risolutiva espressa: L'ordine è emesso in applicazione delle disposizioni contenute all'art. 18, c. 1, lett. a) del D. Lgs 36/2023. Il CNR ha diritto di risolvere il contratto/ordine in caso di accertamento della carenza dei requisiti di partecipazione. Per la risoluzione del contratto trovano applicazione l'art. 122 del D. Lgs. 36/2023, nonché gli articoli 1453 e ss. del Codice Civile. Il CNR - ISTITUTO NAZIONALE DI OTTICA darà formale comunicazione della risoluzione al fornitore, con divieto di procedere al pagamento dei corrispettivi, se non nei limiti delle prestazioni già eseguite.

Il Direttore del CNR-INO
Prof. Francesco Saverio Cataliotti