



भौतिकी संस्थान
भुवनेश्वर

Institute of Physics

Bhubaneswar - 751005, India

(परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वायत्त अनुसंधान संस्थान) *By Speed Post*
(An Autonomous Research Institute of Department of Atomic Energy, Govt. of India)

QUOTATION CALL NOTICE

Ref.No.IOP/PUR/LAB/2021-22/ <u>1042</u>	Rate quotation for: GAS
Date: <u>12-11-2021</u>	

To:

M/s

Dear Sir,

Your are requested to send us quoted price in sealed envelope for Supply of new cylinder with gas & refilling of gas Cylinder as per specification, terms and conditions mentioned below.

Sl.	Description/Specification	Unit	Quantity
1	Attached in separate sheet "Annexure-A"		

TERMS & CONDITIONS:

1. Intending supplier should be a registered dealer having GST Registration No. and should submit a copy of the same.
2. It is mandatory that the successful bidder is requested to deliver the refill gases within seven days from issue of order.
3. Cylinder(s) supplied should be delivered with appropriate test certificate.
4. Quotation is to be submitted by Speed Post/Registered Post/courier only in sealed envelope with superscription "**Rate Quotation for supply of New Cylinder with Gas & Refilling of gas cylinder**" and addressed to the Registrar, Institute of physics, P.O: Sainik School, Bhubneswar-751005.
5. The quotation should be submitted within 15 days from the date of issue of this letter in the office of Registrar along with copy of aforesaid Certificate, if any failing which the same will be rejected.
6. Rate quoted should remain valid for one year from the date of order and may be extended/renewed further on the basis of performance during the service period.
7. 100% payment will be made on delivery of goods in satisfactory conditions and against submission of bill/invoice in duplicate.
8. Price quoted should be FOR destination at IOP site basis.
9. An amount of Rs.5,000/- to be deposited by the successful bidder in shape of Demand Draft/Pay order as Security Money favour of Director, Institute of Physics, Bhubaneswar payable at Bhubaneswar for a period of one year.
10. The institute is eligible for exemption & to pay tax @ 5%. The Exemption Certificate issued by Department of Atomic Energy (DAE), Government of India, vide No.4416/20(2)/2009/IOP/R&D-II/2751 dated 28.02.2018. The bidder is required to quote GST@5% against GST Exemption Certificate.
11. The authority reserves the right to reject/cancel the tender in full or part without assigning any reasons thereof.

भवदीय/Yours faithfully


रजिस्ट्रार/**REGISTRAR**

डा.घ. सैनिक स्कूल, भुवनेश्वर - 751 005, भारत

P.O. : SAINIK SCHOOL, BHUBANESWAR - 751 005, INDIA

दूरभाष : 0674-2306444, 2306555, 2306666, फैक्स/Fax : 0674-2300142, वेब/Web : <http://www.iopb.res.in>

हमेशा हिंदी में पत्र व्यवहार करके देश का गौरव बढ़ाएं

INSTITUTE OF PHYSICS

Bhubaneswar

Annexure-1

List of Gases with Specification/Description

Sl. No.	Particulars	Unit	Quantity	Rate per Unit
1	Ultrapure XL Grade Argon Refill gas in 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm ² which contain 7m ³ of gas in each cylinder with hydro test, purity -99.9996%	Refilling	1	
2	Refilling Ultra Pure (XL) Argon gas in 10 ltrs W.C.C.S Cylinder with hydro test, Purity-99.999%	Refilling	1	
3	Industrial Grade Argon Gas Refill in 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm ² which contain 7m ³ of gas in each cylinder with hydro test	Refilling	1	
4	Industrial Grade Nitrogen gas Refill in 10 ltrs W.C.C.S Cylinder with hydro test	Refilling	1	
5	Ultra Pure XL Grade Nitrogen Refill in 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm ² which contain 7m ³ of gas in each cylinder with hydro test, purity -99.9996%	Refilling	1	
6	Ultra Pure XL Grade Nitrogen Refill gas in 10 liters W.C.C.S Cylinder with hydro test, purity-99.999%	Refilling	1	
7	Industrial Grade Nitrogen gas Refill in 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm ² which contain 7m ³ of gas in each cylinder with hydro test	Refilling	1	
8	Industrial Grade Nitrogen Refill gas in 10 liters W.C.C.S Cylinder with hydro test	Refilling	1	
9	Refill Ultra pure XL Grade Oxygen gas in 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm ² which contain 7m ³ of gas in each cylinder with hydro test, purity-99.9996%	Refilling	1	
10	Refill Ultra pure XL Grade Oxygen gas in 10 liters W.C.C.S Cylinder with hydro test, purity-99.999%	Refilling	1	
11	Industrial Grade Oxygen gas Refill in 46.7 liters W.C.C.S. Cylinder having a pressure of 130-140 kg/cm ² which contain 7m ³ of gas in each cylinder with hydro test	Refilling	1	
12	Industrial Grade Oxygen Refill gas in 10 liters W.C.C.S Cylinder with hydro test	Refilling	1	
13	Refill Ultra pure XL Grade Helium gas in 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm ² which contain 7m ³ of gas in each cylinder with hydro test, purity -99.9996%	Refilling	1	
14	Refill Ultra pure XL Grade Helium gas in 10 liters W.C.C.S Cylinder with hydro test purity -99.999%	Refilling	1	
15	Industrial Grade Helium gas Refill in 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm ² which contain 7m ³ of gas in each cylinder with hydro test	Refilling	1	

List of Gases with Specification/Description

Sl. No.	Particulars	Unit	Quantity	Rate per Unit
16	Refill Ultra pure XL Grade Hydrogen gas in 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm2 which contain 7m3 of gas in each cylinder with hydro test, purity -99.9996%	Refilling	1	
17	Refill Ultra pure XL Grade Hydrogen gas in 10 liters W.C.C.S with hydro test , purity -99.999%	Refilling	1	
18	Industrial Grade Hydrogen gas Refill in 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm2 which contain 7m3 of gas in each cylinder with hydro test	Refilling	1	
19	Refilling of Ar/CO2 gas cylinder (70/30) with hydro test, capacity -10 liters	Refilling	1	
20	Industrial Grade Acetylene gas Refill in 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm2 which contain 7m3 of gas in each cylinder with hydro test	Refilling	1	
21	Refilling Argon-80% /CO2-20% GAS 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm2 which contain 7m3 of gas, Purity-99.999% in each cylinder with hydro test	Refilling	1	
22	Refilling Argon-90%/CO2 -10% gas 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm2 which contain 7m3 of gas, Purity-99.999% in each cylinder with hydro test	Refilling	1	
23	Refilling Argon-70%/CO2 -30% gas 46.7 liters W.C.C.S Cylinder having a pressure of 130-140kg/cm2 which contain 7m3 of gas, Purity-99.999%	Refilling	1	
24	Refilling Argon-70%/CO2 -30% gas 10 liters W.C.C.S Cylinder Purity-99.999%	Refilling	1	
25	Refilling of Ultrapure Xenon gas Cylinder with hydro test, capacity-2.5 liters, Purity-99.999%	Refilling	1	
26	Refillinf of KrF premix gas for the Lser, Content: 6900 liters, valve :DIN 477/14, Purity_> 99.99%, F-0.09%, Kr-3.83%, Ne-94.41%, Maximum Imputiry Contents :O2:<20.0ppmv,HF/H2O:<15.0PPMV, N2:20.0 ppmv, He:<8ppmv, CO2:<3.0 ppmv, SIF4, COF2,FC4, FH4,Xe,NF3,SF6:<1.0 ppmv	Refilling	1	
27	New 47 liters W.C.C.S Cylinder with Ultra-pure (XL) Nitrogen Gas having a pressure of 130-140 kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cylinder	1	
28	Diffusion Resistant Double Stage Regulator (SS) for Nitrogen Gas Cylinder	Nos	1	
29	New 47 liters W.C.C.S Cylinder with ultra pure (XL) Argon Gas having pressure of 130-140kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cylinder	1	
30	Diffusion Resistant Double Stage Regulator (SS) for Argon Gas Cylinder	Nos	1	
31	New 47 liters W.C.C.S Cylinder with ultra pure (XL) Oxygen Gas having pressure of 130-140kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cylinder	1	
32	New 47 liters W.C.C.S Cylinder with Industrial Grade Oxygen Gas having pressure of 130-140kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cylinder	1	
33	Diffusion Resistant Double Stage Regulator (SS) for XL Oxygen Gas Cylinder	Nos	1	

List of Gases with Specification/Description

Sl. No.	Particulars	Unit	Quantity	Rate per Unit
34	New 47 liters W.C.C.S Cylinder with Ultra pure (XL) Helium Gas having pressure of 130-140kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cylinder	1	
35	New 10 liters W.C.C.S Cylinder with Ultra pure (XL) Helium Gas with Valve & Valve Guard	Cylinder	1	
36	Diffusion Resistant Double Stage Regulator (SS) for XL Helium Gas Cylinder	Nos	1	
37	New 47 liters W.C.C.S Cylinder with Ultra pure (XL) Hydrogen Gas having pressure of 130-140kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cylinder	1	
38	Diffusion Resistant Double Stage Regulator (SS) for Hydrogen Gas Cylinder	Nos	1	
39	New 47 liters W.C.C.S Cylinder with Industrial Air Gas having pressure of 130-140kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cylinder	1	
40	Diffusion Resistant Double Stage Regulator (SS) for Air Gas Cylinder	Nos	1	
41	New 10.2 liters W.C.C.S Cylinder with Ultra Pure (XL) Methane gas with Valve & Valve Guard, Purity-99.999%	Cylinder	1	
42	Diffusion Resistant Double Stage Regulator (SS) for Methane Gas Cylinder	Nos	1	
43	New 10.2 liters W.C.C.S Cylinder with Ultra Pure (XL) Carbon Monoxide gas with Valve & Valve Guard, Purity-99.999%	Cylinder	1	
44	Diffusion Resistant Double Stage Regulator (SS) for Carbon Monoxide Cylinder	Nos	1	
45	New 10.2 liters W.C.C.S Cylinder with Ultra Pure (XL) NO2 gas with Valve & Valve Guard	Cylinder	1	
46	Diffusion Resistant Double Stage Regulator (SS) for NO2 Gas Cylinder	Nos	1	
47	New Industrial dissolved cylinder with gas acetylene 41 liters W.C.C.S Cylinder	Cylinder	1	
48	Diffusion Resistant Double Stage Regulator (SS) for Industrial Grade acetylene Gas Cylinder	Nos	1	
49	Argon and CO2 in 70/30 ration premixed gas with cylinder, Ratio : Argon 70% and CO2 30% (premixed), Cylinder Capacity-47 liters, Cylinder type-Carbon Steel, purity-99.99%, Pressure 140-150kg/cm2, Stability Period-12 months	Cylinder	1	
50	Diffusion Resistant Double Stage Regulator (SS) for Argon and CO2 in 70/30 ratio premixed gas cylinder	Nos	1	
51	New Cylinder (2.5 liters) with Ultra pure Xenon gas with reglator, Purity-99.999%	Cylinder	1	
52	New Cylinder (10 liters) with Ultra pure Krypton gas with reglator, Purity-99.999%	Cylinder	1	
53	Argon 90% / CO2 10% gas in 47 liters W.C.C.S Cylinder Valve Brass & Valve Guard with Regulator	Cylinder	1	
54	Argon 80% / CO2 20% in 47 liters W.C.C.S Cylinder Valve Brass & Valve Guard with Regulator	Cylinder	1	
55	New Industrial Nitrogen high pressure seamless steel N2 Gas Cylidner of 47 liters water capacity complete with ring and valve with filled gas contains 7.0 cum of gas cylinder, Pressure 130-140kg/cm2	Cylinder	1	
56	New Cylinder of 47 liters filled with H2 (5%) Ar(95%) gas with regulator and purity : 99.9996%	Cylinder	1	
57	Empty 10 liters Water capacity Carbon Steel Cylinder with Valve & Cap	Cylinder	1	
58	Adopter for New Cylinder	Nos	1	



List of Gases with Specification/Description				
Sl. No.	Particulars	Unit	Quantity	Rate per Unit
59	Regulator for Nitrogen Gas 47 liters cylidner (180 PSI or above	Nos	1	
60	Gas trolley four wheels for moving gas cylinders	Nos	1	
61	Oxygen Gas-Zero Grade, Purity -99.9995%, Capacity -10 liters	Nos	1	
62	Prpoylene (C3H6) Gas, Purity - 99.999%, Capacity-10 liters	Nos	1	
63	Regulator (outlet -0-10 PSI)	Nos	1	
B	Liquid Nitrogen Gas	Per liter		
	* In case of Liquid Nitrogen, the supplier needs to be refilled in IOP Nitrogen container at IOP Site.			

G. Prathap