



भौतिकी संस्थान
भुवनेश्वर

Institute of Physics

Bhubaneswar - 751005, India

By Speed Post

(परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वायत्त अनुसंधान संस्थान)

(An Autonomous Research Institute of Department of Atomic Energy, Govt. of India)

QUOTATION CALL NOTICE

Ref.No.IOP/PUR/LAB/2021-22/ <u>561</u>	Rate quotation for: GAS
Date: <u>30/06/2021</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 TIN/CST Registration No. and should submit a copy of the same.
2. Cylinder(s) supplied should be delivered with appropriate test certificate.
3. 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.
4. The quotation should be submitted within 30 **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.
5. Rate quoted should remain valid for one year from the date of opening of the quotation and may be extended/renewed further on the basis of performance during the service period.
6. 100% payment will be made on delivery of goods in satisfactory conditions and against submission of bill/invoice in duplicate.
7. Price quoted should be FOR destination at IOP site basis.
8. **Taxes and levies if applicable will be paid @5% extra as per Notification No.47/2017-Integrated Tax (Rate), Ministry of Finance, GOI which should be specified separately. Exemption Certificate will be provided at the time of requirement.**
9. 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				
List of Gases with specification/description				
#	Particulars	Unit	Quantity	Rate per Unit
1	Ultra Pure 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 130-140 Kg/cm ² which contain 7m ³ of gas in each cylinder with hydro test	Refilling	1	
4	Industrial Grade Nitrogen gas Refill in 10ltrs W.C.C.S Cylinder with hydro test	Refilling	1	
5	Ultra Pure XL Grade Nitrogen Refill gas in 46.7 liters W.C.C.S Cylinderhaving a pressure of 130-140 kg/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 10ltrs 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 Cylinderhaving a pressure of 130-140 kg/cm ² which contain 7m ³ of gas in each cylinder with hydro test	Refilling	1	
8	Industrial Grade Nitrogen Refill gas in 10ltrs 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 130-140 kg/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 10ltrs 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 10ltrs 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 130-140 kg/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 10ltrs W.C.C.S Cylinder with hydro test purity-99.999%	Refilling	1	



List of Gases with specification/description				
#	Particulars	Unit	Quantity	Rate per Unit
15	Industrial Grade Helium 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	
16	Refill Ultra pure XL Grade Hydrogen gas in 46.7liters 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 , purity-99.9996%	Refilling	1	
17	Refill Ultra pure XL Grade Hydrogen gas in 10ltrs W.C.C.S Cylinder with hydro test , purity-99.999%	Refilling	1	
18	Industrial Grade Hydrogen gas Refill in 46.7liters 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	
19	Refilling of Ar/Co ₂ gas cylinder(70/30) with hydro test, Capacity-10 ltrs	Refilling	1	
20	Industrial Grade Acetylene gas Refill in 46.7liters 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	
21	Refilling Argon-80%/CO ₂ -20% gas 46.7 liters W.C.C.S Cylinder having a pressure of 130-140 kg/Cm ² which contain 7m ³ of gas , Purity-99.999% in each cylinder with hydro test	Refilling	1	
22	Refilling Argon-90%/CO ₂ -10% gas 46.7 liters WCCS Cylinder having a pressure of 130-140 kg/Cm ² which contain 7m ³ of gas , Purity-99.999% in each cylinder with hydro test	Refilling	1	
23	Refilling Argon-70%/CO ₂ -30% gas 46.7 liters WCCS Cylinder having a pressure of 130-140 kg/Cm ² which contain 7m ³ of gas , Purity-99.999%	Refilling	1	
24	Refilling Argon-70%/CO ₂ -30% gas 10 liters WCCS Cylinder Purity-99.999%	Refilling	1	
25	Refilling of Ultrapure Xenon gas Cylinder with hydro test, Capacity-2.5 ltr Purity:99.999%	Refilling	1	
26	Refilling of KrF premix gas for the Laser Content:6900 ltr, Valve:DIN 477/14, Purity:≥99.99%, F-0.09%, Kr-3.83%, Ne-94.41%, Maximum Impurity Contents: O ₂ :<20.0ppmv, HF/H ₂ O:<15.0 ppmv, N ₂ :20.0ppmv, He:<8ppmv, CO ₂ :<3.0ppmv, SiF ₄ , COF ₂ ,FC ₄ , FH ₄ ,Xe,NF ₃ , SF ₆ :<1.0ppmv	Refilling	1	
27	New 47 liters W.C.C.S Cylinder with ultra Pure (XL) Nitrogen Gas having a pressure of 130-140 kg/cm ² which contain 7m ³ of gas with Valve & Valve Guard	Cyl	1	

List of Gases with specification/description				
#	Particulars	Unit	Quantity	Rate per Unit
28	Diffusion Resistant Double Stage Regulator(SS) for Nitrogen Gas Cylinder	Nos	1	
29	New 47liters W.C.C.S Cylinder with ultra Pure (XL) Argon Gas having a pressure of 130-140 kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cyl	1	
30	Diffusion Resistant Double Stage Regulator(SS) for Argon Gas Cylinder	Nos	1	
31	New 47liters W.C.C.S Cylinder with ultra Pure (XL) Oxygen Gas having a pressure of 130-140 kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cyl	1	
32	New 47liters W.C.C.S Cylinder with Industrial grade Oxygen Gas having a pressure of 130-140 kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cyl	1	
33	Diffusion Resistant Double Stage Regulator(SS) for XL Oxygen Gas Cylinder	Nos	1	
34	New 47liters W.C.C.S Cylinder with ultra Pure (XL) Helium Gas having a pressure of 130-140 kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cyl	1	
35	New 10ltrs W.C.C.S Cylinder with ultra Pure (XL) Helium Gas with Valve & Valve Guard	Cyl	1	
36	Diffusion Resistant Double Stage Regulator(SS) for XL Helium Gas Cylinder	Nos	1	
37	New 47liters W.C.C.S Cylinder with ultra Pure (XL) Hydrogen Gas having a pressure of 130-140 kg/cm2 which contain 7m3 of gas with Valve & Valve Guard	Cyl	1	
38	Diffusion Resistant Double Stage Regulator(SS) for Hydrogen Gas Cylinder	Nos	1	
39	New 47ltrs W.C.C.S cylinder with industrial Air Gas having a pressure of 130-140 kg/cm2 which contain 7m3 of gas with valve & valve Guard	Cyl	1	
40	Diffusion Resistant Double Stage Regulator(SS) for Air Gas Cylinder	Nos	1	
41	New 10.2ltrs W.C.C.S Cylinder with Ultra Pure(XL) Methane gas with valve & valve guard,Purity-99.999%	Cyl	1	
42	Diffusion Resistant Double Stage Regulator(SS) for Methane Gas Cylinder	Nos	1	

List of Gases with specification/description				
#	Particulars	Unit	Quantity	Rate per Unit
43	New 10.2ltrs W.C.C.S Cylinder with Ultra Pure(XL) Carbon Monooxide gas with valve & valve guard, Purity-99.999%	Cyl	1	
44	Diffusion Resistant Double Stage Regulator(SS) for Carbon Monooxide Cylinder	Nos	1	
45	New 10.2ltrs W.C.C.S Cylinder with Ultra Pure(XL) NO2 gas with valve & valve guard	Cyl	1	
46	Diffusion Resistant Double Stage Regulator(SS) for NO2 Gas Cylinder	Nos	1	
47	New Industrial dissolved cylinder with gas acetylene 41 ltrs W.C.C.S. Cylinder	Cyl	1	
48	Diffusion Resistant Double Stage Regulator(SS) for industrial grade acetylene gas	Nos	1	
49	Argon and CO2 in 70/30 ratio permixed gas with cylinder, Ratio:Argon 70% and CO2 30%(permixed), Cyl.Capacity-47ltrs, Cyl.Type-Carbon Steel, purity-99.99%, Pressure-140-150Kg/cm2, Stability Period-12 months	Cyl	1	
50	Diffusion Resistant Double Stage Regulator(SS) for Argon and CO2 in 70/30 ratio permixed gas cylinder.	Nos	1	
51	New Cylinder(2.5 ltrs) with Ultrapure Xenon gas with regulator, Purity:99.999%	Cyl	1	
52	New Cylinder(10 ltrs) with Ultrapure krypton gas with regulator, Purity:99.999%	Cyl	1	
53	Argon 90%/ CO2 10% gas in 47 ltrs W.C.C.S Cylinder Valve Brass & Valve Guard with Regulator	Cyl	1	
54	Argon 80%/ CO2 20% gas in 47 ltrs W.C.C.S Cylinder Valve Brass & Valve Guard with Regulator	Cyl	1	
55	New Industrial Nitrogen high pressure seamless steel N2 gas Cylinder of 47 ltrs water capacity complete with ring and valve with filled gas contains 7.0 cum of gas cylinder, Pressure-130-140kg/cm2	Cyl	1	
56	New Cylinder of 47 ltrs filled with H2(5%)/Ar(95%) gas with regulator and purity:99.9996%	Cyl	1	
57	Empty 10 ltrs Water Capacity Carbon Steel Cylinder With Valve & Cap	Cyl	1	
58	Adopter for New Cylinder	Nos	1	

List of Gases with specification/description				
#	Particulars	Unit	Quantity	Rate per Unit
59	Regulator for Nitrogen gas 47 ltrs cylinder(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 ltr	Nos	1	
62	Propylene(C ₃ H ₆) Gas, Purity -99.999%-, Capacity-10ltr	Nos	1	
63	Liquid Nitrogen	Per liters		
64	Regulator(outlet-0-10 PSI)	Nos	1	
	*In case of Liquid Nitrogen, the Supplier needs to be refilled in IOP Liquid Nitrogen container at IOP site.			