



अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
साकेत नगर भोपाल (मध्यप्रदेश) – 462020
Saket Nagar, Bhopal (M.P.) – 462020
web site: www.aiimsbhopal.edu.in

AIIMS Bhopal
CENTRAL STORES DEPARTMENT
Dispatch No. 2259
Date: 31/03/2023

Ref.: AIIMS/BPL/Burn & Plastic Surgery /Hyperbaric Oxygen Chamber/2022-23/..... Dated: 31/03/2023

Subject: Purchase of Monoplace Hyperbaric Oxygen Therapy Chamber (**Sigma ELITE 36 Monoplace Hyperbaric Fully Automatic**), Equipment on Proprietary basis-Inviting comments thereon.

The request received from Department of Burn & Plastic Surgery, AIIMS Bhopal, for the purchase of captioned Item from (OEM) M/s Perry Baromedical Corporation, 3750 Prospect Avenue, Riviera Beach, Florida, USA., and through its authorized distributor/dealer , M/s Hospimedica International Ltd., Leelawanti House, 58/10 Ashok Nagar, New Delhi-110018 – India on Proprietary basis.

The Notice is being uploaded for general information of Aspirant Manufacturer/Dealer/Distributor to submit their objections/proposal, if any, on proprietorship of these items.

In case, the product of any Manufacturer/Authorized distributor/dealer conforms to the enclosed specifications, they may submit their proposal for the supply same Equipment/Item along with the following:-

- (i) Details of the required product brochure.
- (ii) Point-by-point compliance of the enclosed specifications, along with all relevant documentary evidence;

The objection/ proposal should be sent in sealed cover to **The I/c Senior Procurement cum Stores Officer, Central Stores, Service Building - II, First Floor, AIIMS, Saket Nagar, Bhopal (462020)** so as to reach on or before **14/04/2023** up to 17:00 Hrs., failing which it will be presumed that no any other vendor is interested to offer comments/protest and case will be decided accordingly on its merit.

The reference No.: AIIMS/BPL/ Burn & Plastic Surgery /Hyperbaric Oxygen Chamber /2022-23/....., dated: **31/03/2023** due on **14/04/2023** should be super scribed on sealed envelope.

Yours faithfully

I/c Senior Procurement cum Stores Officer, Central Stores
For and on Behalf of The Executive Director, AIIMS Bhopal.

वारष्ट क्रय सह भंडार अधिकारी
Sr. Procurement Cum Stores Officer
केन्द्रीय भंडार विभाग
Central Stores Department
एस. साकेत नगर, भोपाल (म.प.)
AIIMS, Saket Nagar, Bhopal (M.P.)

- Encl: 1. PAC Certificate
2. Authorization Certificate
3. Schedule of requirement
4. Technical Specifications

Proprietary Article Certificate



PERRY
BAROMEDICAL
Hyperbaric Therapy Systems

3750 PROSPECT AVENUE
RIVIERA BEACH
FLORIDA, USA
33404-3411

561-840-0395
FAX: 561-840-0398
WWW.PERRYBAROMEDICAL.COM

February 22nd, 2023

Proprietary Certificate

Subject: Sigma ELITE 36 Monoplace Hyperbaric Fully Automatic Proprietary System Developed by Perry Baromedical, USA.

Perry Baromedical is the developer and manufacturer of the manual as well as fully automatic Sigma ELITE 36 monoplace hyperbaric chamber.

The Sigma ELITE 36 control system has physician set up, patient info, treatment info & treatment record data capture systems. It has manual as well as automatic computer-based Control modes, and can program and execute unlimited treatment profiles including a curvilinear compression profile capability. Likewise, the Sigma ELITE 36 control system can program air breaks and provide audible alarms as required during treatments to remind operators and ensure consistent treatment application. It also allows multiple Perry Sigma ELITE 36 monoplace chambers to be networked together and run off of a single desktop work station PC, which can be connected via VPN network to Perry customer support, and further upgraded to integrate data exchange capability with a facility EMR software, as well as many more such unique features.

We would like to assure you that the Sigma ELITE 36 automatic technology to control & run the system utilized in this Perry hyperbaric chamber are of Proprietary nature and are unique in their own way.

Sincerely,

Michael Richardson
Senior Vice-President
Perry Baromedical Corporation
Florida 33404 U.S.A.



EXCELLENCE IN HYPERBARIC THERAPY SYSTEMS

MONOPLACE • DUALPLACE • MULTIPLACE

Authorization Certificate



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3750 PROSPECT AVENUE
RIVIERA BEACH
FLORIDA, USA
33404-3411

561-840-0395
FAX: 561-840-0398
WWW.PERRYBAROMEDICAL.COM

MANUFACTURER'S AUTHORIZATION FORM

DT. : 22.02.2023

To

The Director

All India Institute of Medical Sciences,
Saket Nagar, Near Habibganj,
Bhopal - 462020
Madhya Pradesh

Dear Sir,

We M/s Perry Baromedical USA, who are proven and reputable manufacturers of MONOPLACE HYPERBARIC OXYGEN THERAPY SYSTEM having factories at 3750 Prospect Avenue, Riviera Beach, Florida 33404 USA do hereby authorize M/S HOSPIMEDICA INTERNATIONAL LTD., Leelawanti House, 58/10 Ashok Nagar, New Delhi – 110018 to submit a bid, process the same further and enter into a contract with you against your requirement for the above goods manufactured by us.

We further confirm that no company or firm or individual other than M/s Hospimedica International Ltd., Leelawanti House, 58/10 Ashok Nagar, New Delhi – 110018 is authorized to Market / quote for our products in India..

In case of change of agency we shall inform the user about the change and shall make necessary Arrangement to provide necessary after sales service.

This authorization is valid till 31st Dec 2024 if not Renewed.

For and behalf of M/s Perry Baromedical, USA

Name: Michael Richardson

Designation: Senior Vice President

Signed and Stamped:



EXCELLENCE IN HYPERBARIC THERAPY SYSTEMS

MONOPLACE • DUALPLACE • MULTIPLACE

Schedule of requirement

S.No.	OEM	Description	Qty (No.)
01	M/s Perry Baromedical Corporation, 3750 Prospect Avenue, Riviera Beach, Florida, USA.	Monoplace Hyperbaric Oxygen Therapy Chamber (Sigma ELITE 36 Monoplace Hyperbaric Fully Automatic)	01

** Note: Please don't quote the prices of the above schedule requirement **

Technical Specification

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TECHNICAL SPECIFICATIONS FULL BODY ACRYLIC MONOPLACE HYPERBARIC OXYGEN THERAPY CHAMBER

The Monoplace Hyperbaric Chamber should have following specifications :

1. The system should have monoplace chamber with clear, seamless structure which should provide excellent observation of the entire patient.
2. The system should be designed, constructed and tested in accordance with the requirements of Bureau of Indian Standard (BIS) /American Society of Mechanical Engineer (ASME), the safety standard for pressure vessel for human occupancy. It should also meet the requirement of the Fire & Security Association of India (FSAI) / National Fire Protection Association.
3. The chamber Internal diameter should be 34 inches or more while internal length should be more than 90 inches for placing patient comfortably in both supine and reclining position and also to avoid claustrophobia.
4. The Monoplace Hyperbaric Chamber System should have inbuilt 2 independent, chamber control systems consisting of
 - a) Inbuilt Computerised touch screen control for the primary automatic operation of the chamber
 - b) Manual pneumatic system serving as backup with equal performances and control.
5. The control system should have the facility to compress & decompress to reduce incidence of barotrauma substantially. Compression & Decompression protocol should be programmable.
6. The system should have provision to switch the control from automatic to manual, manual to automatic in case of emergency or power failures.
7. Gas – flow related operating parameters should be:
 - a) Pressurization Rate - Adjustable from 1 to 5 PSI / min upto 3 ATA
 - b) Depressurization Rate - Adjustable from 1 to 5 PSI / min.
 - c) Emergency depressurization from 3'ATA to ambient pressure within 125 seconds.
 - d) Design working temperature is required to be upto 100 deg F/ 38 deg C
 - e) The chamber should have safety interlock to prevent accidental door opening while chamber is under pressure.
8. Should have facility to adjust chamber ventilation rate at any time during treatment without any interruption
9. Should have adjustable ventilation rate in the range of 100- 400 lpm for the optimum use of oxygen.
10. Should have facility to pressurise the chamber through oxygen or air.
11. Firm should supply medical air compressor with built-in/separate air receiver, dryer, regulator filters
12. Should be equipped with air break assembly with mask to provide air breaks.
13. The system should provide reproducible treatment protocols, should also store treatment records for review & analysis.
14. Should have facility to programme treatment profiles
15. Should have inbuilt LCD touch screen for parameters setting and constant display of actual & planned treatment profile with a desktop mirror profile and parameter setting with latest Windows based programme

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| 16. The system should have a two way voice communication and entertainment facility. |
| 17. Should have the ability to troubleshoot from manufacturing plant through CAT 5 ethernet / internet connection |
| 18. Should have facility to programme and save the treatment profiles. |
| 19. Should have facility to connect a printer to provide printout, summary of treatment profile selected, set parameters event marker entries and treatment given. |
| 20. Should have a two-way voice communication and entertainment system, operating at less than 15 VDC, to ensure that power levels in the chamber are safe for pure oxygen environments in accordance with Fire & Security Association of India (FSAI) / NFPA standards. |
| 21. The chamber should have available accessories for connection and attachments for future up gradation with Monitor & support equipment such as Infusion Pump, Ventilator, TCOM etc. |
| 22. The chamber should be connected with fire certified ECG lead for monitoring ECG. |
| 23. The system must be provided with adjustable height and backrest (0-50 degree) trolley with shift able table complete with mattress and pillow made of the fire-resistant and anti-static material. Patient trolley should have undercarriage storage facility and should be equipped with side rails & castors with brakes. |
| 24. The Trolley should have detachable stretcher top and should slide inside the chamber. |
| 25. System pressure Gauge on Control Panel & availability to switch the control from automatic to manual, manual to automatic in case of power failure & emergency situations. |
| 26. Should have provision for patient to be grounded to the chamber. |
| 27. Supplier should have experience in installation of the similar unit in India & the past experience with the firm regarding installation and after sales service of this unit in Govt. hospital will be given utmost importance. |
| 28. The system should be Bureau of Indian Standard (BIS) / USFDA approved with 510 (K) certification |
| 29. Power input to be 220-240 VAC, Current: 2-3 Amps, 50Hz |
| 30. Must submit User List. |
| 31. Manufacturer should also certify that the model to be supplied will be new and not refurbished. |
| 32. Bidder has to prepare the room and would be responsible for interior and civil work of the room. They have to provide air conditioning of the room and gas pipeline work also has to be done by the bidder. |
| 33. Company shall provide 5 yrs warranty and 5 yrs comprehensive CMC on expiry of warranty with rate to be quoted separately. |
| 34. HBOT chamber should have in-built automation system for sterilization |
| 35. Company should update and supply software for the machine as and when needed, free of cost. |
| 36. Company should supply the latest and advanced version of the equipment at the time of supply. |
| 37. If any turnkey work is required for the setting up of the equipment, then the company will be doing the said work free of cost. |