



**The Children's Hospital
University of Child Health Sciences**

Ferozepur Road, Lahore Phone # (92) (42) 99230901-23 Fax # 99231560



No. P.C./ 59631 /CH&UCHS

Dated 05-10, 2023

To

Mr. Abdul Wahab
I/C Programmer (I.T.)
Health Department, Civil Secretariat,
Lahore.

Subject: - REQUEST FOR UPLOADING OF TECHNICAL EVALUATION REPORT REGARDING THE FRAMEWORK FOR MEDICAL GASES IN THE CHILDREN'S HOSPITAL & UNIVERSITY OF CHILD HEALTH SCIENCES, LAHORE FOR THE YEAR 2023-24 ON HEALTH DEPARTMENT WEBSITE

Please find enclosed herewith the Technical Evaluation Report regarding the Framework for Medical Gases for The Children's Hospital & University of Child Health Sciences, Lahore for the year 2023-24 need to be uploaded on the Health Department website.

Your positive response will be highly appreciated.

PROF. DR. TIPU SULTAN
MBBS, FCPS, M.Sc (UK), (FRCPC (LONDON))
Prof. of Paediatric Neurology
Medical Director

MINUTES OF TECHNICAL ADVISORY COMMITTEE (TAC) MEETING HELD ON 05-10-2023 AT 09:30 A.M. IN THE CONFERENCE ROOM OF THE ADMIN BLOCK THE CHILDREN'S HOSPITAL, UCHS LAHORE FOR THE YEAR 2022-2023

Reference Bid No. PC-3/CH&UCHS/2023/20055 dated 21-03-2023 In pursuance of letter No. 58872-85/CH&UCHS dated 03-10-2023 Technical Advisory Committee (TAC) meeting regarding the Framework Contract for Medical Gases for the year 2023-2024.

Following officers attend the meeting:-

| | | | |
|-----|---|-----|--|
| 1. | Dr. Junaid Rashid (Chairman) Prof. of Paediatric Medicine / Pro-Vice Chancellor, UCHS | 2. | Dr. Nabila Talat (Member) Prof. of Peads Surgery / Chairperson Department / Dean Faculty of Surgery / Registrar University Head of Department Surgery Unit-I |
| 3. | Dr. Syed Muhammad Javed Iqbal (Member) Prof. of Paediatric Medicine | 4. | Dr. Farah Haroon (Member) Prof. Neonatology |
| 5. | Dr. Saeeda Asaf (End-user) Prof. of Paediatric Anesthesia | 6. | Dr. Saima Farhan (Member) Associate Prof. of Paeds Hematology |
| 7. | Dr. Nazish Saqlian (Member) Associate Prof. of Pathology Department | 8. | Dr. Ahmad Usaid Qureshi (Member) Associate Prof. of Peads Cardiology |
| 9. | Dr. Sarfraz Ahmad (Member) Associate Prof. Peadiatric PM&R | 10. | Dr. Mumtaz Hussain (Member) Assistant Prof. Paeds orthopedic Surgery |
| 11. | Faraz Ashraf (Member) Chief Pharmacist / Deputy Drug Controller | 12. | Muhammad Riaz Shahid (Member) Incharge Pay Roll Section |
| 13. | Engr. Shujaat Ali (Member) Bio Medical Engineer/ Technical Officer | 14. | Engr. Irfan Haider (Co-opted Member) Bio Medical Engineer |

PROCEEDINGS

Meeting started with the name of Almighty Allah the Most Gracious, the Most Merciful. The chairman welcomed the participants including representatives of the firms.

DMS (Purchase) briefed the committee regarding evaluation of the bids submitted by the firms for the year 2022-2023 as per evaluation criteria mentioned in the bidding document.

All the committee members & end-users scrutinized / evaluated and discussed all the quoted bids in detail and give the following recommendations for finalization of the technical advisory committee (TAC) reports.

Following decisions were made unanimously by all the members of (TAC) committee members & endusers.

1. MEDICAL GASES

| Sr. No. | Subject | Requirement | M/s Pakistan Oxygen | M/s Sharif Oxygen (Pvt) Ltd |
|---------|--|--|----------------------------|-----------------------------|
| 1 | Nationality | Register Office in Pakistan | Compliance | Compliance |
| 2 | Conflict of interest | No Conflicts of interest in ITA Sub-Clause 4.3 | Compliance | Compliance |
| 3 | Registration with FBR/PRA | Copy resgistration certificate/copy of NTN | Compliance | Compliance |
| 4 | Bid Security | bid security of an amount of Rs. 1,506,794/- be deposited as an Irrevocable Bank Guarantee preferably / CDR Call at Deposit in the name of Medical Director | Attached | Not Attached |
| | a). Bid Validity | Bids shall remain valid for the period of Six (06) Months after the date of opening of Technical Bid, prescribed by the Procuring Agency. | Compliance | - |
| | b). Not Black List in any Government / agency / authority | Not Black List in any Government/agency/authority | Attached | - |
| 5 | Existence as legal Entity/Registered as a company under partnership act 1932 | Registration Certificate | 1984 | - |
| 6 | Past performance | Non Performance of a contract did not occur within the last three years, prior to the deadline for application submission based on all information on fully settled dispute or litigation. A fully settled dilpute or litigation is one that has been resolved in accordance with the Dispute Resolution Mechanism under the respective contract, and where all appeal instances available to the applicant have been exhausted. | Compliance <i>Farah</i> | - <i>one</i> |

| Sr. No. | Subject | Requirement | M/s Pakistan Oxygen | M/s Sharif Oxygen (Pvt) Ltd |
|---------|--|---|-----------------------|-----------------------------|
| 7 | Pending litigation | All pending litigation shall in total not represent more than 25%, of the Applicant's net worth and shall be treated as resolved against the Applicant. | No | - |
| 8 | Financial statement | Financial Statements shall be submitted for last 3 financial years of the firm. (or since inception incase firm was established during last 3 years) | Yes | - |
| 9 | Financial Qualification <100 million for 3 year | | Compliance | - |
| 10 | Experience of Providing service of similar nature | Participation as supplies of medical gases to similar nature and size in last 5 years (including both ongoing and completed projects). The similarity shall be based on physical size, complexity, methods/technology or other characteristics as described in Section V, Scope of Services. The total value of these projects should be atleast 100 Million PKR. | Compliance | - |
| 11 | Managers not less than 2 | Number of technical/managerial resources working as full-time employees payroll of firm (minimum managerial staff should be 2) | Compliance | - |
| 12 | Graduate Engineer/Technologist/Sub Engineers | Number of Graduate Engineers on payroll of firm (The firm should have suitable number of engineers and technical staff, according to its production capacity) | Compliance | - |
| 13 | Plant production capability | Firm shall explain its production capability, should be matched with the selected number of Hospital requirement. | Compliance | - |
| 14 | standard production/Manufacturing | Firm shall explain the standards being followed by them for productions. | Compliance | - |
| 15 | Plant production facility Evaluation | 1. Checking installation of online analyzers with control to plant shut off in case of low product quality. | Installed | - |
| | | 2. Checking analyzer calibration mechanism. | Compliance (3rd Prty) | - |
| | | 3. Checking Pharmacovigilance mechanism devised to control record and report impurities as pharmacopeia in plant storage. | Compliance | - |
| 16 | Logistics/Distribution of product Evaluation | 1. Evaluation of product carrying Capacity, the total capacity for carrying medical gases will be evaluation with respect to total monthly requirement of Hospitals for medical gases included in prequalification. | Compliance | - |
| | | 2. Pre and post tanker filling quality check mechanism (Certificate of conformity) to ensure delivery of quality medical gases to storage at customer end. | Compliance | - |
| | | 3. Transport tracking facility for reliable supply scheduling and tracking. | Compliance | - |
| 17 | On site Customer site's installation of storage for medical gases evaluation | 1. Assessment of safety measure /Mechanism company, adhere to for ensuring safe operations of equipment deployed. | Compliance | - |
| | | 2. Current Customer installation or future compliance to HTM, with minimum requirement for following. | Compliance | - |
| | | a. Correctly/right sized VIE. b. Vaporizer of appropriate/ respective size to VIE size. c. The VIE control equipment to control the pressure and flow of gas to the pipeline. | File | Low |

| Sr. No. | Subject | Requirement | M/s Pakistan Oxygen | M/s Sharif Oxygen (Pvt) Ltd |
|---------|-----------------------|--|---------------------|-----------------------------|
| | | d. Alarm system for VIE content, VIE low and high pressure, Line low and high Pressure. | Compliance | - |
| | | 3. Preventive Maintenance Mechanism for installation at customer site to ensure consistent product quality storage. | Compliance | - |
| 18. | Medical Gases | 1. Liquid Medical Oxygen to be filled in VIE 2. Compress Medical Oxygen in Cylinders of different sizes 3. Nitrous Oxide in Cylinders of different sizes 4. Liquid Nitrogen Gas in containers. 5. Compressed Nitrogen Gas in Cylinders 6. Carbon Dioxide Gas in cylinders 7. Medical Air (CF) | Compliance | - |
| 19. | Product Specification | Firm shall supply medical gases as per Eu Pharmacopeia standard; following documents are required for respective gases. 1. Medical Oxygen: Certificate of Conformity 2. Nitrous Oxide: Certificate of Analysis 3. Nitrogen: Certificate of Conformity 4. Medical Air (CF) | Compliance | - |
| 20. | Hardware to Install | a. VIE Tank adequately sized as per HTM, with thumb rule to have minimum 3 rd day supply. The number of VIEs for CH&UCHS Lahore will be by Hospital management. For any incremental VIE requirement during supply contract period within CH&UCHS Lahore, firm shall be bound to provide. | Attached | - |
| | | b. Ambient vaporizer sized respected to VIE. | Attached | - |
| | | c. The VIE control equipment to control the pressure and flow of gas to the pipeline must be regulated by installing medical grade Duplex Pressure regulation unit. This unit must be capable of regulating low pressure and high flow of 4000 lit/min to avoid any pressure drops in the farthest area of the hospital. | Attached | - |
| | | d. The VIE and vaporizer system must be equipped with independent, audible vessel content level and pressure alarms to capture & alerts low level and low/high pressure at all times. | Attached | - |
| | | e. Fully digital /computerized system for monitoring of the Liquid oxygen contents in the tanks with data transmission capability to the firms computerized data base Surveillance system for Scheduling purposes and arranging emergency supplies in case of emergency. | Attached | - |
| | | f. Digital Content Meter to be installed at each VIE tanks site to co relate it with analog content gauge of the VIE Tank. | Attached | - |
| | | g. Supplying Firm will be bound to certify VIE system installation by a qualified authorized person (Medical Gas Pipeline System) as per HTM standard. Certification documents to be provided together with tender documents. | Attached | - |

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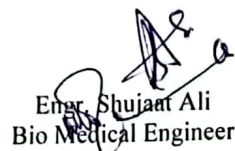
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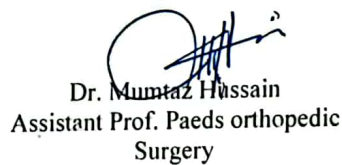
| Subject | Requirement | M/s Pakistan Oxygen | M/s Sharif Oxygen (Pvt) Ltd |
|--|--|---------------------|-----------------------------|
| 21. For Gases in Cylinders | <ol style="list-style-type: none"> 1. The successful firm must have its own compression station for gases compliant to international standard. 2. The successful firm will be responsible to coordinate with Hospital and arrange supply through their own vehicle. 3. The Supplying firm will make sure that all the cylinders go through a hydraulic testing before the required gas is filled. 4. The supplying firm will make assure that the quality and quantity of the gas supplied in cylinder is according to the required medical standards i.e. EU pharmacopeia. 5. The Firm, supplying gases in cylinders, will issue certification/labeling for each supplied cylinders. | Attached | - |
| 22. Delivery & Product Measurement Mechanism | <ol style="list-style-type: none"> 1. Wight Bridge. Weight of truck before supply and after supply will be taken and difference of both weighs will be calculated for delivered product quantity. 2. Delivery through content gauge, VIE's digital content gauge will be used for product delivery quantity incase weigh bridge is not available. | Attached | - |
| Technical Status | | Responsive | Non Responsive |

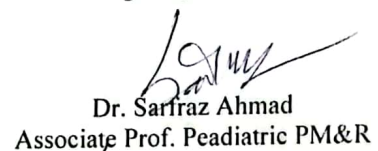

Engr. Irfan Haider
Bio Medical Engineer

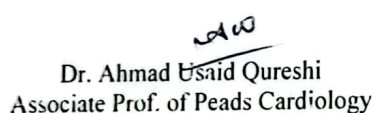

Engr. Shujaat Ali
Bio Medical Engineer

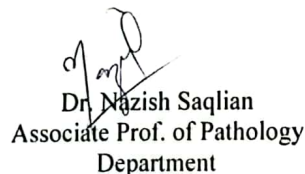
Muhammad Riaz Shahid
Incharge Pay Roll Section

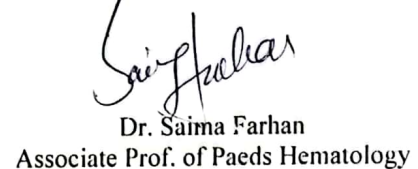

Faraz Aslam
Chief Pharmacist / Deputy Drug Controller

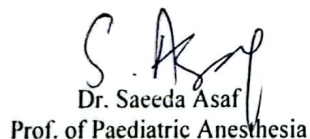

Dr. Mumtaz Hussain
Assistant Prof. Paeds orthopedic Surgery

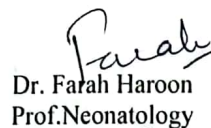

Dr. Sarfraz Ahmad
Associate Prof. Peadiatric PM&R


Dr. Ahmad Usaid Qureshi
Associate Prof. of Peads Cardiology


Dr. Nazish Saqlan
Associate Prof. of Pathology Department

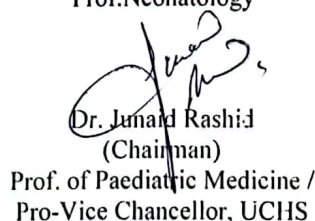

Dr. Saima Farhan
Associate Prof. of Paeds Hematology


Dr. Saeeda Asaf
Prof. of Paediatric Anesthesia

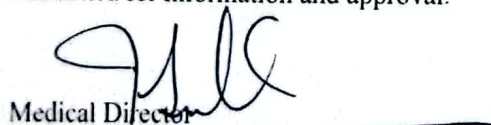

Dr. Farah Haroon
Prof. Neonatology

on leave
Dr. Syed Muhammad Javed Iqbal
Prof. of Paediatric Medicine

Dr. Nabila Talat
Prof. of Peads Surgery /
Chairperson Department / Dean
Faculty of Surgery / Registrar
University
Head of Department Surgery Unit-I


Dr. Junaid Rashid
(Chairman)
Prof. of Paediatric Medicine /
Pro-Vice Chancellor, UCHS

Submitted for information and approval.


Medical Director

5/10/2023