



DOW UNIVERSITY OF HEALTH SCIENCES

ATTENDANCE SHEET

Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine at Ojha Campus of Dow University of Health Sciences, Karachi

Invitation for Bid (NIT) No: DUHS/DP//2023/230 Dated 01 March 2023

TECHNICAL OPENING OF BIDS / PROPOSALS ON 21 MARCH, 2023 AT 11:30 A.M.

S#	BIDDER (Company / Firm / Contractor)	REPRESENTATIVE (Name)	DESIGNATION	CONTACT NUMBER	SIGNATURE
01	ALLMED SOLUTIONS	SHAH FAISAL	D.G.M	0332-2537924	



DOW UNIVERSITY OF HEALTH SCIENCES ATTENDANCE SHEET

**Procurement of Low Energy Cyclotron along with Allied Equipment and Facility
Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine
at Ojha Campus of Dow University of Health Sciences, Karachi
Invitation for Bid (NIT) No: DUHS/DP//2023/230 Dated 01 March 2023**

TECHNICAL OPENING OF BIDS / PROPOSALS ON 21 MARCH, 2023 AT 11:30 A.M.

S#	NAME	DESIGNATION	SIGNATURE
1	Mr. Syed Zain ul Abdin Shah	Director Finance Dow University of Health Sciences (Chairman Procurement Committee)	
2	Prof. Maseeh uz Zaman	Professor of Radiology, Nuclear Medicine and PET-CT Imaging Agha Khan University, Karachi (Member Technical)	
3	Mr. Engr. Tariq Ahmed	Deputy Director Biomedical Engineering Deptt. Dow University of Health Sciences (Member Biomedical))	
4	Dr. Muhammad Atif Mansha	Assistant Professor Radiation Oncology, Gamma Knife Stereotactic Radiosurgery Center Dow University of Health Sciences (Member Technical)	
5	Mr. Syed Shafqat Hussain	Procurement Director Dow University of Health Sciences (Member / Secretary)	
6	Mr. Faisal Ghous Shah	Manager Treasury Dow University of Health Sciences (Member)	
7	Engr. Syed Abdullah Shah Sabir	Executive Engineer Planning and Development, DUHS (Member Technical)	

PURCHASE PROPOSAL / RECOMMENDATIONS

Tender Description	Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine at Ojha Campus of Dow University of Health Sciences, Karachi
IFB / NIT No.	DUHS/DP/2023/230 Dated 1 st March 2023
SPPRA PPMS NIT ID #	T00582-22-0025
Method & procedure of procurement	Single Stage – Two Envelope Procedure Rule 46(2) of SPP Rules 2010

Based on the detailed evaluation and findings, presented in bid evaluation report, the purchase recommendations / proposal for the “**Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine at Ojha Campus of Dow University of Health Sciences, Karachi**” is worked out as under:

M/S. ALLMED SOLUTIONS, KARACHI.

Item No.	Name of Equipment / Instrument (Details as per Technical Offer)	Required Quantity	Unit Price in USD on C&F Basis	Total Amount in USD on C&F Basis
1	LOW ENERGY CYCLOTRON Model: BG 75 Make: Best ABT Molecular Imaging Inc. Origin: USA Port of Shipment: USA	1 No.	USD 2,480,000	USD 2,480,000
	<u>INCLUDING FOLLOWING:</u>			
a.	Positive Ion Cyclotron			
b.	FDG Chemistry Production Module (CPM)			
c.	Quality Control Module (QCM)			
d.	FDG Start-up Kit (For 500 Scans)			

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Manager Treasury / Member PC
DUHS – Karachi.



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ENGR. SYED ABDULLAH SABIR
Executive Engineer
Works & Services Department
Dow University of Health Sciences
Karachi

Engr. Syed Abdullah Shah Sabir
Executive Engineer / Member PC
Planning & Development Deptt: DUHS
(Maseeh Uz Zaman MD, FASMC (USA), FRCR (Edin)
MBBS, MS, FCPS (Pak), FEBNM (EU), DCBNC (USA)
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Deputy Director / Member PC
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Director Procurement
Procurement Directorate
Dow University of Health Sciences
Syed Shafqat Hussain

Director Procurement / Member PC
DUHS – Karachi.



Syed Zain ul Abedin Shah
Director Finance / Chairman PC
DUHS - Karachi

Syed Zain ul Abedin Shah
Director Finance
Dow University of Health Sciences

PURCHASE PROPOSAL / RECOMMENDATIONS

Item No.	Name of Equipment / Instrument / Works / Services	Total Value in PKR Excluding Sales Tax
10.8	LCD TV for Patient Waiting Area	
10.9	Office Machinery & Equipment Laptop i7 with latest configuration (Qty 3 Nos.) Desktop Computers i5 with latest configuration (Qty. 10 Nos.) Laserjet Printer HP MFP M236 or better (Qty. 08 Nos.) Multimedia Projector (Qty 01 No.) Photocopier 25 CPM or better (Qty 01 No.)	
10.10	Electrical-Power Cable Main from Sub-station to DB	
10.11	Revamp / reconstruct the procuring agency's asset, if damaged during the execution of the project / works	
TOTAL VALUE IN PKR ON DDP BASIS EXCLUDING SALES TAX		PKR 474,196,299

The total value of the contract in **USD 2,480,000 (on C&F Basis) and PKR 474,196,299 (on DDP Basis excluding Sales Tax)** is within 15% ± of the budget / financial estimates. Therefore, case is submitted to honorable Vice Chancellor, Dow University of Health Sciences for approval of purchase proposal and issuance of Acceptance Letter, Contract Award / Work Order, Signing of Contract Agreement and opening of LCs in favour of M/s. Allmed Solutions, Karachi.

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Syed Zain ul Abidin Shah
Director Finance / Chairman PC
Dow University of Health Sciences, Karachi

Professor Mohammad Saeed Quraishy
Vice Chancellor
Dow University of Health Sciences Karachi

(Approved by)

PURCHASE PROPOSAL / RECOMMENDATIONS

M/S. ALLMED SOLUTIONS, KARACHI.

Item No.	Name of Equipment / Instrument / Works / Services	Total Value in PKR Excluding Sales Tax
2.	SITE CONSTRUCTION & PREPARATION FOR EQUIPMENT (Estimated Covered Area: 19,075 Sq. Ft.)	
	The entire facility shall be completed in all respect, having A-Class Department of Nuclear Medicine including but not limited to the following works, services and goods as per the approved bid / samples by the DUHS.	
1	Design Consultation & Site Supervision till the completion of the project	
2	Project Management Services	
3	Civil Works	167,325,904
4	Electrical Works	87,069,885
5	Plumbing works	14,110,635
6	HVAC (Mechanical) Works	116,075,313
7	Fire Alarm & Fire Fighting System	1,617,560
8	Underground Water Tank & Pump	24,765,786
9	External Development Work	19,632,216
10.	OTHER (including following)	43,599,000
10.1	PABX Extension to the Facility	
10.2	Integration with Building Management System	
10.3	Access Control System	
10.4	IT / LAN Networking & Connectivity	
10.5	Interior Works	
10.6	Furniture and Fixture	
10.7	Queue Management	

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PURCHASE PROPOSAL / RECOMMENDATIONS

Item No.	Name of Equipment / Instrument (Details as per Technical Offer)	Required Quantity	Unit Price in USD on C&F Basis	Total Amount in USD on C&F Basis
<u>THIRD PARTY ITEMS</u>				
e.	Equipment for Radiation Protection, Safety and Monitoring Model / Cat No. Multiple Make: Multiple Origin: USA / EU Port of Shipment: EU/USA/UAE	Multiple		
f.	100 KVA UPS Emerson / Eaton / APC / Salicru or equivalent Make: APC or Equivalent Origin: China Port of Shipment: UAE			
g.	Water Cool Chiller Model: cBOX 40 Make: KKT Chillers Origin: EU Port of Shipment: EU / UAE	2 Nos.		
h.	BG-75 Rigging, Testing and Installation			
A.	<u>OPTIONAL ITEM</u> Chemistry Production Module Model: F-PSMA Chemistry Production Make: Oranceptis Origin: EU Port of Shipment: EU/UAE			
TOTAL VALUE IN USD ON C&F BASIS				USD 2,480,000

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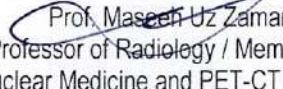
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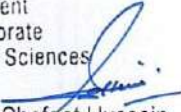
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Director Finance
Dow University of Health Sciences


BID EVALUATION REPORT

1. **Name of Procuring Agency:** Dow University of Health Sciences, Karachi (DUHS).
2. **Tender Reference No:** DUHS/DP/2023/230 Dated 1st March 2023
3. **Tender Description:** Procurement of **Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis** for the Establishment of Department of Nuclear Medicine at Ojha Campus of Dow University of Health Sciences, Karachi.
4. **Method of Procurement:** Single Stage – Two Envelope, Rule 46(2) of SPP Rules 2010
5. **Tender Published:**
- Websites:**
 - DUHS and SPPRA at PPMS NIT ID T00582-22-0025
 - Advertised in following Newspapers on 6 March 2023:**
 - Daily The Dawn (English language newspaper)
 - Daily Jang (Urdu language newspaper)
 - Daily Jeejal (Sindhi language newspaper)
- (Annexure - 1)
6. **Total Bid documents Sold;** One (01) No.
7. **Total Bids Received:** One (01) No.
8. **Technical Bid Opening date:** 21st March 2023 at 11:30 am. (Annexure - 2)
09. **No. of Bid technically qualified:** One (01) No.
10. **Bid(s) Rejected:** None
11. **Financial bid opened on:** 11 April 2023 at 11:00 am. (Annexure - 3)
12. **Bid Evaluation Report:** Attached at Annexure-4, Annexure-5 and Annexure-6

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DAWN

TODAY'S PAPER | MARCH 06, 2023



DOW UNIVERSITY OF HEALTH SCIENCES

IFB/NIT No: DUHS/DP//2023/230 Dated 01 March 2023

INVITATION FOR BIDS (IFB)

Dow University of Health Sciences (DUHS), Karachi invites sealed bids for the "Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine at Ojha Campus of Dow University of Health Sciences, Karachi" from the Manufacturers or authorized Agents / Distributors of Manufacturers available on 'List of Active Tax Payers' of FBR for Income Tax & Sales Tax.

Bidding Procedure	Single Stage - Two Envelope Procedure as per rule 46 sub rule 2 of SPP Rules 2010 (Amended upto date)
Bid Security	1% of the total bid value in shape of CDR/ Pay Order/Bank Guarantee.
Tender purchasing date	From the date of publishing to 20 March 2023
Deadline for submission of bids	21 March 2023 up to 1100 Hrs.
Bid Opening Date & Time	21 March 2023 at 1130 Hrs.

Bidding Document containing detailed terms & conditions can be obtained from Director Procurement, Dow University of Health Sciences (Ojha Campus), Procurement Directorate at Library Block, SUPARCO Road, off Main University Road, Gulzar-e-Hijri, Scheme No. 33, Karachi against non-refundable tender fee in the shape of pay Order/ Demand Draft of Rs. 2,000/- issued by a scheduled bank in favour of Dow University of Health Sciences during office hours. No tender shall be sold on the date of opening of bid. Tender Notice and bidding documents are also available on the websites of Dow University of Health Sciences, (www.duhs.edu.pk) and Sindh Public Procurement Regulatory Authority (www.pprms.pprasinindh.gov.pk), in this situation, bidder is required to enclose required Pay Order / Demand Draft of tender fee (Rs. 2000/-) with their bid, which must be issued by a scheduled bank within the tender purchasing dates, otherwise bid will not be entertained. DUHS may issue the clarifications or amendments in respect of the bidding documents which will be uploaded on the both websites, DUHS will not be responsible of any confusion or misunderstanding in this regard.

The Dow University of Health Sciences, Karachi (DUHS) reserves the right to reject any or all the bids subject to the relevant provisions of SPP Rules 2010 (Amended upto date).

Address for submission and opening of bids:

Finance Directorate, Third Floor of Administration Building, Dow University of Health Sciences (DMC Campus), Baba-e-Urdu Road, Near Civil Hospital, Karachi.

Phone No: + 92-21-99261497

Email: director.procurement@duhs.edu.pk

Director Procurement
Dow University of Health Sciences, Karachi

Syed Zain ul Abidin Shah
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کراچی، حیدرآباد ۽ سکرمن حکم ٺہ وقت شایع ٺہندڙ روزنامي سنٺڙي اخبار

جلد 19، سوره 10، مارچ 2023ء www.dailyjeejal.com



DOW UNIVERSITY OF HEALTH SCIENCES

نمبر: DUHS/DPI/2023/230 تاريخ: 10 مارچ، 2023

واڪ گهريل آهن

ڊاٽو يونيورسٽي آف هيلٿ سائنسز (ڊي يو ايڇ ايس) ڪراچي کي پنهنجي اوجها ڪيمپس نيويڪليئر ميڊيسن جي شعبي جي تيار لاءِ نون ڪي بنيادن تي تعمير ۽ گهٽ ترانائي وارن سائڪلٽرون سان گڏ الاٽيڊ اوزارن ۽ سهولت جي فراهمي لاءِ ايڏا بي آر جي "ايڪٽو ٽيڪس پيئرز فهرست" برآءِ انڪر ٽيڪس ۽ ميلز ٽيڪس ۾ شامل تيار ڪندڙن يا سڃاڙڻن يا سڃاڙڻن تيار ڪندڙن جي دستري بيٺورز کان واڪ گهرائجن ٿا.

واڪ جو طريقو ڪار	سنگل اسٽيج بہ لفاظہ بمطابق SPP رولز 2010 (تاحال ترميمر ٺيل) جي شق 46 ذيلي شق نمبر 2.
واڪ جي سڪيورٽي	ڪل واڪ جو 1 سڪڙو سي ڊي آر ٺہي آرڊر/بيلنڪ گارنٽي
ٺہيندڙ دستاويز جي خريد ڪرڻ جي تاريخ	هن اشٽهار جي شايع ٺيڻ کان 20 مارچ 2023
واڪن جمع ڪرائڻ جي آخري تاريخ ۽ وقت	21 مارچ 2023 تي صبح 11:00 وڳي تائين
واڪ ڪلڻ جي تاريخ ۽ وقت	21 مارچ 2023 تي صبح 11:50 وڳي تائين

تفصيلي شرطن ۽ ضابطن تي مشتمل واڪ جا دستاويز ڊائريڪٽر پروڪيورمينٽ ڊاٽو يونيورسٽي آف هيلٿ سائنسز (اوجها ڪيمپس) پروڪيورمينٽ ڊائريڪٽوريٽ بمقام لائبريري بلاڪ، سبارڪو روڊ، آف مين يونيورسٽي روڊ گلزار هجري اسڪيم 33 ڪراچي جي دفتر مان آفيس وقت دوران هيٺ ڏنل پتي تان مبلغ 2000 روپيا (ٺاٺابل واپسي) بطور ٺہيندڙ فيس پي آرڊر/بيلنڪ ڊرافٽ جي صورت ۾ ڊاٽو يونيورسٽي آف هيلٿ سائنسز جي نالي آفيس وقت دوران جمع ڪرائي حاصل ڪري سگهجن ٿا. واڪ ڪلڻ جي تاريخ تي ٺہيندڙ وڪرو ٺہيا ويندا. ٺہيندڙ نوٽيس ۽ واڪ جا دستاويز ڊاٽو يونيورسٽي آف هيلٿ سائنسز جي ويب سائٽ www.duhs.edu.pk ۽ سنڊ پبلڪ پروڪيورمينٽ ريگيوليٽري اٿارٽي جي ويب سائٽ www.ppsasindh.gov.pk تي دستياب آهن. هن صورت ۾ واڪ ڏيندڙ کي پنهنجن واڪن سان گڏ ٺہيندڙ خريداري جي مقرر ڪيل تاريخ کان اڳ ڪنهن بہ شيڊول بيلنڪ مان جاري ڪيل مبلغ 2000 روپين جو پي آرڊر/بيلنڪ ڊرافٽ سي ڊي آر بطور ٺہيندڙ فيس لازمي طور شامل ڪرڻ گهرجي بي صورت ۾ واڪ تي غور نہ ڪيو ويندو. DUHS واڪ دستاويزن جي باري ۾ وضاحت يا ترميمون جاري ڪري سگهي ٿو جيڪي مٿي ڏنل ويب سائٽ تي اپ لوڊ ڪيا ويندا. DUHS ان سلسلي ۾ ڪنهن بہ ابھار يا غلطي ٺہي جي ذميواري نہ هوندي.

ڊاٽو يونيورسٽي آف هيلٿ سائنسز (ڊي يو ايڇ ايس) ڪراچي، ايس پي رولز 2010 (تاحال ترميمر ٺيل) جي لاڳاپيل شق تحت ڪنهن يا سمورن واڪن کي قبول يا رد ڪرڻ جو حق محفوظ رکي ٿي. واڪ دستاويزن خريد ڪرڻ، جمع ڪرڻ ۽ ڪلڻ جو پتو:

فنانس ڊائريڪٽوريٽ، ٿرڊ فلور، ايڊمنسٽريشن بلاڪ بلڊنگ، ڊاٽو يونيورسٽي آف هيلٿ سائنسز (ڊي يو ايڇ ايس) ڪيمپس بابا ۽ اردو روڊ، نزد سول اسپتال ڪراچي

فون: +92-21-99261497

اي ميل: director.procurement@duhs.edu.pk

ڊائريڪٽر پروڪيورمينٽ

ڊاٽو يونيورسٽي آف هيلٿ سائنسز، ڪراچي

Yed Zain ul Abidin Shah
Director Finance
Dow University of Health Sciences

ky

Shafiq

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Introduction

Objectives

Tenders

Evaluation

Conflict of Interest Policy

Contact Us

TENDERS

Procurement of Liver fibrosis assessment device for NILGID. IFB / NIT No: DUHS/DP/2023/227-229.
• Ref. No: DUHS/DP/2023/227.
(Click here to download the Bidding Documents)

Corrigendum of IFB / NIT No. DUHS/DP/2023/227-229 Dated: 15 February 2023, Ref No: DUHS/DP/2023/227. *Procurement of Liver fibrosis assessment device for NILGID*

Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine at Oljha Campus of Dow University of Health Sciences, Karachi (IFB / NIT No. DUHS/DP//2023/230 Dated 01 March 2023)
(Click here to download the Bidding Documents)

Procurement of Printing Materials. IFB / NIT No: DUHS/DP/2023/227-229, Ref. No: DUHS/DP/2023/229
(Click here to download the Bidding Documents)

Procurement of Papers, Stationery & General Consumable Items. IFB / NIT No: DUHS/DP/2023/227-229, Ref. No: DUHS/DP/2023/228.
(Click here to download the Bidding Documents)

Syed Zain ul Abidin Shah
Syed Zain ul Abidin Shah
Director Finance
Dow University of Health Sciences

Tariq Ahmed
ENGR. TARIQ AHMED
DEPUTY DIRECTOR
BIOMEDICAL ENGINEERING DEPT.
DOW UNIVERSITY OF HEALTH SCIENCES

S. Shafqat Hussain
S. SHAFQAT HUSSAIN
Director Procurement
Procurement Directorate
Dow University of Health Sciences
Karachi

Maseeh uz Zaman
Maseeh uz Zaman MD, FASNC (USA), FRCP (Hon), MBBS, MS, FCPS (Pak), FEBNM (EU), DCRNC (USA)
Professor & Section Head Nucl Med & PET/CT Imaging
Department of Radiology, AKUH, Karachi, Pakistan




Syed Abdullah Sabir
ENGR. SYED ABDULLAH SABIR
Executive Engineer
Works & Services Department
Dow University of Health Sciences
Karachi

PROCUREMENT PERFORMANCE MANAGEMENT SYSTEM

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List of Notices Inviting Tender (NIT)

Export to Excel

Action	NIT ID	Procurement Plan ID	Tender Title/Description	Reference No	No. of Items/Schemes	Corrigendum	Status/Assignment	Action
 	1004582-22-0025	002582-22	Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine	NIT No: DUHS/DP/2023/230 Dated 01 March 2023.	1		Posted	Unpaid 


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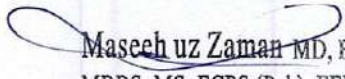
Syed Zain ul Abdin Shah
 Director Finance
 Dow University of Health Sciences

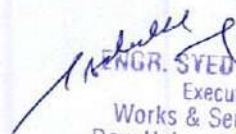


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 ENGR. TARIQ AHMED
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 Dow University of Health Sciences
 Karachi

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY
GOVERNMENT OF SINDH



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NOTICE INVITING TENDER

(1 OF 1) 1 10

Reference No.	Tender Title/Description	Procuring Agency	Posting Date	Compendium	City	Status	Details
NIT No. DUHS/DP/20 Dated 01 March 2023	Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on TurnKey Basis for the Establishment of Department of Nuclear Medicine.	Director Procurement Dow University of Health Sciences (502-Universities and Board)	0 = 05-03-2023		Karachi	Active	

(1 OF 1) 1 10

Syed Zain ul Abidin Shah
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Dow University of Health Sciences

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Dow University of Health Sciences
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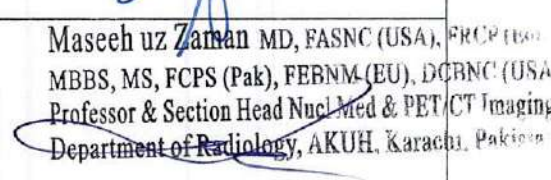



DOW UNIVERSITY OF HEALTH SCIENCES

ATTENDANCE SHEET

Procurement of Low Energy Cyclotron along with Allied Equipment and Facility
Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine
at Ojha Campus of Dow University of Health Sciences, Karachi
Invitation for Bid (NIT) No: DUHS/DP//2023/230 Dated 01 March 2023

FINANCIAL OPENING OF BIDS / PROPOSALS ON 11 APRIL, 2023 AT 11:30 A.M.

S#	NAME	DESIGNATION	SIGNATURE
1	Mr. Syed Zain ul Abdin Shah	Director Finance Dow University of Health Sciences (Chairman Procurement Committee)	 Syed Zain ul Abdin Shah Director Finance Dow University of Health Sciences
2	Prof. Maseeh uz Zaman	Professor of Radiology, Nuclear Medicine and PET-CT Imaging Agha Khan University, Karachi (Member Technical)	 Maseeh uz Zaman MD, FASNC (USA), FRCR (UK), MBBS, MS, FCPS (Pak), FEBNM (EU), DCBNC (USA) Professor & Section Head Nucl Med & PET/CT Imaging, Department of Radiology, AKUH, Karachi, Pakistan
3	Mr. Engr. Tariq Ahmed	Deputy Director Biomedical Engineering Deptt. Dow University of Health Sciences (Member Biomedical))	 ENGR. TARIQ AHMED DEPUTY DIRECTOR BIOMEDICAL ENGINEERING DEPT DOW UNIVERSITY OF HEALTH SCIENCES
4	Dr. Muhammad Atif Mansha	Assistant Professor Radiation Oncology, Gamma Knife Stereotactic Radiosurgery Center Dow University of Health Sciences (Member Technical)	
5	Mr. Syed Shafqat Hussain	Procurement Director Dow University of Health Sciences (Member / Secretary)	 S. SHAFQAT HUSSAIN Director Procurement Procurement Directorate Dow University of Health Sciences Karachi
6	Mr. Faisal Ghous Shah	Manager Treasury Dow University of Health Sciences (Member)	
7	Engr. Syed Abdullah Shah Sabir	Executive Engineer Planning and Development, DUHS (Member Technical)	 ENGR. SYED ABDULLAH SABIR Executive Engineer Works & Services Department Dow University of Health Sciences Karachi



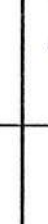


DOW UNIVERSITY OF HEALTH SCIENCES

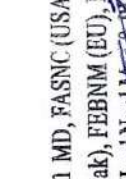
ATTENDANCE SHEET

Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine at Ojha Campus of Dow University of Health Sciences, Karachi

Invitation for Bid (NIT) No: DUHS/DP//2023/230 Dated 01 March 2023

FINANCIAL OPENING OF BIDS / PROPOSALS ON 11 APRIL, 2023 AT 11:30 A.M.

S#	BIDDER (Company / Firm / Contractor)	REPRESENTATIVE (Name)	DESIGNATION	CONTACT NUMBER	SIGNATURE
02	ALLMED SOLUTIONS	SHAH FAISAL	D-G.M	0332-2531924	
					
					


Masood uz Zaman MD, FASNC (USA), FRCP (UK),
MBBS, MS, FCPs (Pak), FEBNM (EU), DRC (US),
Professor & Section Head Nuclear Medicine & PET/CT Imaging
Department of Radiology, AKUH, Karachi, Pakistan


S SHAFIQAT HUSSAIN
Director Procurement
Procurement Directorate
Dow University of Health Sciences
Karachi


Yed Zain ul Abidin Shah
Director Finance
Dow University of Health Sciences


ENGR. SYED ABDULLAH SABIR
Executive Engineer
Works & Services Department
Dow University of Health Sciences
Karachi

ENGR. TARIQ AHMED
DEPUTY DIRECTOR
BIOMEDICAL ENGINEERING DEPT.

BIDDER'S QUALIFICATION REPORT
(MANDATORY REQUIREMENTS) --- ITB CLAUSE 13.3(d)
Procurement of Low Energy Cyclotron along with Allied Equipment and Facility
Construction on Turnkey Basis for the Establishment of Department of Nuclear
Medicine at Ojha Campus of Dow University of Health Sciences, Karachi.
IFB / NIT No. DUHS/DP/2023/230 Dated 01 March 2023
Technical Bids Opened on 21 March 2023

M/s. ALLMED SOLUTIONS, KARACHI

S#	DOCUMENT OF PARTICIPATING FIRM	YES / NO
1	Tender Purchase Receipt (Original) / Pay order of Tender Fee	Yes
2	Bid Security (Copy with value hidden in Technical Proposal; Original in Financial Proposal)	Yes
3.	Bid Form (Copy with value hiding in Technical Proposal: Original in Financial Proposal).	Yes
4.	Price Schedule (Copy with value hiding in Technical Proposal: Original in Financial Proposal).	Yes
5.	Bidding Documents (Duly filled, Signed & Stamped by Bidder)	Yes
6.	Undertaking on stamp paper of Rs. 100/- duly notarized to the effect that: i. The bidder is neither blacklisted nor suspended by any National / International, including Provincial and Federal Government. ii. Any director or owner of the bidding company is not awarded any punishment from any Court of Law. iii. Bidder has submitted the correct and complete information along with the bid/offer. If any document / information is found forged / engineered / fake / bogus at any stage, the bidder may be declared as Blacklisted in accordance with law and the performance guarantee and payment, if any may be forfeited.	Yes
7.	Compliance to the Technical Specifications, bid validity period, delivery schedule and payment terms and conditions.	Yes
8.	Income Tax and Sales Tax Registration Certificate with Active Tax Payer Status on FBR website	Yes
9.	Professional Tax Certificate	Yes
10.	SECP Incorporation Certificate (where applicable)	N/A
11.	PNRA Registration Certificate	Yes
12.	PEC Registration Certificate	Yes

ENGR. SYED ABDULLAH SABIR
Executive Engineer
Works & Services Department
Dow University of Health Sciences
Karachi

Faisal Ghous Shah
Manager Treasury / Member PC
DUHS – Karachi.

Dr. M. Atif Mansha

Assistant Professor / Member PC
Radiation Oncology Gamma Knife Stereotactic
Radiosurgery Centre, DUHS - Karachi

Engr. Syed Abdullah Shah Sabir
Executive Engineer / Member PC
Planning & Development Deptt. DUHS
Maseeh Uz Zaman, MD, FASNC (USA), FRCP (Edin)
MBBS, MS, FCPS (Pak), FEBNM (EU), DCBNC (USA)
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Department of Radiology, AKUH, Karachi, Pakistan
Prof. Maseeh Uz Zaman
Professor of Radiology / Member PC
Nuclear Medicine and PET-CT Imaging
Aga Khan University, Karachi

Syed Zain ul Abedin Shah
Director Finance / Chairman PC
DUHS - Karachi
Syed Zain ul Abedin Shah
Director Finance
Dow University of Health Sciences

Engr. Tariq Ahmed
Deputy Director / Member PC
DUHS – Karachi

S. SHAFQAT HUSSAIN
Director Procurement
Procurement Directorate
Dow University of Health Sciences
Karachi
Syed Shafqat Hussain
Director Procurement / Member PC
DUHS – Karachi.

ENGR. TARIQ AHMED
DEPUTY DIRECTOR
DUHS - KARACHI

S#	DOCUMENT OF PARTICIPATING FIRM	YES / NO
13.	DRAP license showing importer of medical devices or proof of on-going process for registration. (Where applicable)	Yes
14.	Company Profile	Yes
15.	Bank Account Maintenance Certificate issued during the current financial year	Yes
17.	Average annual turnover (total income) in preceding 3 financial years should not be less than Rs. 1,000 million demonstrated through Income Tax Returns (last 3 financial years) / Audited Financial Statement (last 3 financial year) duly audited by QCR rated audit firm.	Yes
18.	Bidder's Experience: The bidder should have experience of installation and maintenance of at least 2 sites in Pakistan of the system quoted in this tender or system having the better specifications and features.	Yes
19.	Human Resource including detail of Technical Team (Workshop details & Technical Staff Bio data with Training Certificates and PEC Registration) (as per sample Form-A)	Yes
20.	Soft Copy (CD/USB) containing all documents and forms (in Excel/DOC format and searchable)	Yes

S#	DOCUMENT OF EACH ITEMS QUOTED	Yes / No
1.	Compliance sheet on letter head (AS PER FORM D)	Yes
2.	The bidder must possess valid authorization/ sole agency agreement from the Foreign Principal. Only manufacturers or their Sole Agent can participate in the bidding process. No sub-distributor / sport authorized agent is allowed to bid. (Applicable for Main Item No. 01)	Yes
3.	The Manufacturer should have documentary evidence to the effect that they are the original Manufacturer of the quoted product with indication of manufacturing site and its location (Applicable for Main Item No. 01).	Yes
4.	Local manufacturer/agent capacity for technical services in reference to product. For Main Item No. 1 and bidder shall provide a certificate issued by the foreign principal vide which verifying the standard of repair workshop are as up-to the mark in Sindh. (Proof of Registered office must also be provided)	Yes
5.	Catalogue / Brochures / technical data sheet (having complete technical specifications of the offered good / services / works)	Yes
REMARKS / FINDINGS		Technically Qualified / Responsive

Faisal Ghaus Shah
Manager Treasury / Member PC
DUHS – Karachi.



Dr. M. Atif Mansha
Assistant Professor / Member PC
Radiation Oncology Gamma Knife Stereotactic
Radiosurgery Centre, DUHS - Karachi

ENGR. SYED ABDULLAH SABIR
Executive Engineer
Works & Services Department
Dow University of Health Sciences
Karachi

Engr. Syed Abdullah Shah Sabir
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Planning & Development Dept, DUHS
ABBS, MS, FCP (Pak), FEBM (U.S.A)
Professor & Section Head Nucl Med & PET/CT Imaging,
Department of Radiology, AKUH, Karachi, Pakistan.

Prof. Maseeh Uz Zaman
Professor of Radiology / Member PC
Nuclear Medicine and PET-CT Imaging
Aga Khan University, Karachi


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Director Finance / Chairman PC
DUHS - Karachi
Syed Zain ul Abedin Shah
Director Finance
Dow University of Health Sciences


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Deputy Director / Member PC
DUHS – Karachi.


Syed Shafiqat Hussain
Director Procurement / Member PC
DUHS – Karachi.

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DEPUTY DIRECTOR
BIOMEDICAL ENGINEERING DEPT

S. SHAFIQAT HUSSAIN
Director Procurement
Procurement Directorate
Dow University of Health Sciences
Karachi

TECHNICAL EVALUATION REPORT

1.	Name the Bidder:	M/S. ALLMED SOLUTIONS, KARACHI
2.	Tender Description:	Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine at Ojha Campus of Dow University of Health Sciences, Karachi
3.	Tender Reference No:	IFB / NIT No. DUHS/DP/2023/230 Dated 01 March 2023
4.	Technical Bids opening Date:	21 March 2023
5.	Make/Manufacturer of Equipment:	Best ABT Molecular Imaging Inc.
6.	Model of Equipment:	BG 75
7.	Country of Origin of Equipment:	USA
8.	Country of Manufacturing of Equipment:	USA

A. PRODUCT EVALUATION

S#	CRITERIA / PARAMETERS / SUB-PARAMETERS	Total Marks	Bidder's Marks
1	Conformity to the Purchaser's Specifications (Mandatory)	35	25
1.1	Fully compliant with the required specifications	35	00
1.2	Compliant with minor deviation (up to 5% subject to main function is not affected)	25	25
1.3	Non-compliant to required specifications	Disqualify	---
2	Product International Certification	10	05
2.1	USA Food & Drug Administration (USA-FDA 510k)	05	00
2.2	European Community (CE) MDD / Japan Industrial Standard (JIS)	03	03
2.3	European Union Management System Certificate MDR	02	02
3	Product Reference	10	10
3.1	Product National OR International References (02 marks for each reference)	10	10
TOTAL MARKS PRODUCT EVALUATION (A)		55	40

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DUHS – Karachi.

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Executive Engineer
Works & Services Department
Dow University of Health Sciences
Karachi

Engr. Syed Abdullah Shah Sabir
Executive Engineer / Member PC
Planning & Development Deptt: DUHS
Maseeh uz Zaman MD, FASNC (USA), FRCP (Edin)
MBBS, MS, FCPS (Pak), FEBNM (EU), DCBNC (USA)
Professor & Section Head Nucl Med & PET/CT Imaging,
Professor of Radiology, AKUH, Karachi, Pakistan
Professor of Radiology / Member PC
Nuclear Medicine and PET-CT Imaging
Aga Khan University, Karachi

Syed Zain ul Abedin Shah
Director Finance / Chairman PC
Syed Zain ul Abedin Shah
DUHS - Karachi
Director Finance
Dow University of Health Sciences

Engr. Tariq Ahmed
Deputy Director / Member PC
DUHS – Karachi

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Procurement Directorate
Dow University of Health Sciences
Karachi
Syed Shafqat Hussain
Director Procurement / Member PC
DUHS – Karachi.

ENGR. TARIQ AHMED
DEPUTY DIRECTOR

B. BIDDER EVALUATION

S#	PARAMETERS / SUB-PARAMETERS	Total Marks	Bidder's Marks
3.	Technical Staff	15	15
3.1	One mark for each Diploma of Associate Engineer (DAE) in relevant field.	03	03
3.2	Two marks for each Graduate Engineers in relevant field (Electronics / Biomedical) having the valid registration with Pakistan Engineering Council, based in Sindh.	06	06
3.3	One mark for each Postgraduate Resource (MSc./ M.E Electronics/ Biomedical)	02	02
3.4	Two marks for each Foreign Trained Graduate Engineer with PEC Registration in Sindh for the quoted product (Factory/OEM level service training)	04	04
4.	Workshop facility Testing / Calibration of Equipment	10	09
4.1	Availability of Workshop in Sindh Province Workshop location, complete list of testing and calibration tools, detail of spare parts availability in stock, details.	05	05
4.2	Availability of workshop at national level outside Sindh (one mark for each location)	05	04
5.	Past Experience / Performance of Last 3 years	10	10
5.1	Bidder's prior experience for supplying the Radiology / Radiation Oncology / Nuclear Medicine equipment to the Public / Private Sector Organizations in Pakistan. Documentary evidence in shape of Purchase Order / Installation Report / Satisfactory performance certificate must be attached. (2 mark for each)	10	10
6.	Average Annual Turnover during last three (03) financial years (Audited Statements of Accounts duly audited by QCR rated audit firm and Income Tax Returns must be attached as supporting documents)	10	05
6.1	Below PKR 1,000 million	02	00
6.2	Above PKR 1,500 million	05	05
6.3	Above PKR 2,000 million	10	00
TOTAL BIDDER EVALUATION (B)		45	39
GRAND TOTAL (A + B)		100	79
REMARKS / FINDINGS			Qualified

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DUHS – Karachi.

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JOINT DIRECTOR

ENGR. TARIQ AHMED
ENGINEERING DEPT.
UNIVERSITY OF HEALTH SCIENCES

Deputy Director / Member PC
DUHS – Karachi

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Director Procurement

Procurement Directorate
Dow University of Health Sciences
Karachi

Syed Sharqat Hussain
Director Procurement / Member PC
DUHS – Karachi.

CERTIFICATE

This is to certify that the prices are comparable with the budget / financial estimates in respect of the single technically qualified bid submitted by M/s. Allmed Solutions, Karachi in response to the IFB / NIT No. DUHS/DP/2023/230 Dated 1st March 2023 for the “Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine at Ojha Campus of Dow University of Health Sciences, Karachi”. The technical and financial bids were opened on 21 March 2023 and 11 April 2023 respectively.

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Dow University of Health Sciences
Karachi

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DUHS – Karachi.

Engr. Syed Abdullah Shah Sabir
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Planning & Development Deptt: DUHS
BSc (Hons) in Civil Engineering, FICET (UK), FICET (UK), FICET (UK), FICET (UK)
MS, FCPS (Pak), FEBNM (EU), DCBNC (USA)
Senior Lecturer & Section Head Nucl Med & PET/CT Imaging,
Aga Khan University, AKUH, Karachi, Pakistan.



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Radiation Oncology Gamma Knife Stereotactic
Radiosurgery Centre, DUHS - Karachi

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BIOMEDICAL ENGINEERING DEPT.
DOW UNIVERSITY OF HEALTH SCIENCES



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Deputy Director / Member PC
DUHS – Karachi



Syed Zain ul Abedin Shah
Director Finance / Chairman PC
Dow University of Health Sciences, Karachi
Syed Zain ul Abedin Shah
Director Finance
Dow University of Health Sciences

FX RATES SHEET
Treasury & Capital Markets Group

048/2023

DATE: Monday, 13 March 2023

Ready Transaction Rates			
Currency	Symbol	TT Selling	TT Buying
US DOLLAR	USD	281.30	280.80
EURO	EUR	302.20	301.67
JAPANESE YEN	JPY	2.0978	2.0941
BRITISH POUND	GBP	341.16	340.55
SWISS FRANC	CHF	307.00	306.45
CANADIAN DOLLAR	CAD	205.03	204.66
AUSTRALIAN DOLLAR	AUD	187.49	187.16
SWEDISH KRONA	SEK	26.69	26.64
NORWEGIAN KRONE	NOK	26.77	26.73
DANISH KRONE	DKK	40.52	40.45
NEWZEALAND DOLLAR*	NZD	174.32	174.01
SINGAPORE DOLLAR	SGD	209.33	208.95
HONGKONG DOLLAR	HKD	35.99	35.93
KOREAN WON*	KRW	0.2159	0.2155
CHINESE YUAN	CNY	41.10	41.03
MALAYSIAN RINGGIT*	MYR	62.77	62.66
THAI BAHT*	THB	8.15	8.13
U.A.E DIRHAM	AED	77.14	77.00
SAUDI RIYAL	SAR	74.95	74.81
QATAR RIYAL*	QAR	77.29	77.15
KUWAITI DINAR*	KWD	917.90	916.27

Indicative FBP Rates							
Currency	SIGHT / 15 Days	1M	2M	3M	4M	5M	6M
USD	279.38	277.98	274.22	270.91	267.84	264.73	261.96
EUR	299.82	298.65	295.09	292.02	289.21	286.21	283.55
GBP	338.76	337.18	332.86	328.97	325.54	321.91	318.66

Conversion Rates for Foreign Exchange Currency Deposits DBC/FCBC, Special US\$ Bond Profits & Forward Cover For Deposit (Excluding FE-25 Deposits)		Settlement Date
USD	280.5053	Wednesday, 15 March 2023
GBP	335.288	
EUR	297.2234	
JPY	2.0571	

Rates for cash/Currency Notes		
Currency	Selling	Buying
USD	284.11	277.99
GBP	344.57	336.99
EUR	304.66	298.63
JPY	2.1188	2.0730
SAR	75.70	74.03
AED	77.38	76.19

LIBOR	
1 Month	4.79857
3 Month	5.13814
6 Month	5.42829

- > Please call Treasury Sales Desk (9922 0337, 9922 0438 & 9922 0747) for transactions over US Dollars 5,000 or equivalent amount in other currencies (cumulative basis)
- > Above rates are not valid for transactions above USD 5,000 or equivalent amount in other currencies (cumulative basis)
- > Unless otherwise specifically stated, the given rates are market indicative and subject to change without prior notice
- > NBP captures above foreign exchange rates from sources believed to be reliable. NBP does not accept any liability for consequences that may arise from the usage of these rates
- > All FX designated branches must ensure reporting of all export bills falling over due today
- > All FX designated branches must ensure that all credits in Nostro accounts have been responded
- > All FX designated branches must ensure retention of export proceeds into FC accounts as per SBP guidelines
- > For all Chinese Yuan transactions please contact Treasury Sales Desk

* Currencies listed are NOT available to NBP's customers, please contact treasury sales for more details

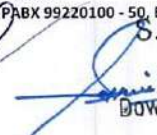
ENGR. TARIQ AHMED
DEPUTY DIRECTOR
BIO-MEDICAL ENGINEERING DEPT.
DOW UNIVERSITY OF HEALTH SCIENCES


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Direct lines: 99220337, 99220438, 99220747. Email: fxsales@nbp.com.pk / tmg.fet@nbp.com.pk PABX 99220100 - 50, Exts: 3211, 3212, 3213 & 3214.


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Director Finance
University of Health Sciences

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Karachi

MINUTES OF TECHNICAL BID OPENING MEETING

Date & Time: 21 March 2023 at 11:30 a.m.

Venue: Office of the **Chairman, Procurement Committee**, at Finance Directorate, Third Floor of Administration Building, Dow University of Health Sciences (DMC Campus), Baba-e-Urdu Road, Near Civil Hospital, Karachi.

A meeting was held under the chair of Mr. Syed Zain ul Abedin Shah, Director Finance / Chairman Procurement Committee, to open and evaluate the technical bids for the **Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine at Ojha Campus of Dow University of Health Sciences, Karachi** invited vide IFB / NIT No. DUHS/DP/2023/230 Dated 1st March 2023.


The participants include:

PROCUREMENT COMMITTEE:


1. **Syed Zain ul Abedin Shah**
Director Finance / Chairman PC
Dow University of Health Sciences, Karachi


Syed Zain ul Abedin Shah
Director Finance
Dow University of Health Sciences

2. **Syed Shafqat Hussain**
Director Procurement / Member PC
DUHS – Karachi


S. SHAFQAT HUSSAIN
Director Procurement
Procurement Directorate
Dow University of Health Sciences
Karachi

3. **Prof. Maseeh Uz Zaman**
Professor of Radiology / Member PC
Nuclear Medicine and PET-CT Imaging
Aga Khan University, Karachi


Maseeh uz Zaman MD, FASNC (USA), FRCP (Edin)
FRCR (UK), FRCPS (Pak), FEBNM (EU), DCBNC (USA)
Professor & Section Head Nucl Med & PET/CT Imaging,
Department of Radiology, AKUH, Karachi, Pakistan.

4. **Dr. M. Atif Mansha**
Assistant Professor / Member PC
Radiation Oncology Gamma Knife Stereotactic
Radiosurgery Centre, DUHS – Karachi



5. **Engr. Tariq Ahmed**
Deputy Director / Member PC
DUHS – Karachi



ENGR. TARIQ AHMED
DEPUTY DIRECTOR
BIOMEDICAL ENGINEERING DEPT.
DOW UNIVERSITY OF HEALTH SCIENCES

6. **Engr. Syed Abdullah Shah Sabir**
Executive Engineer / Member PC
Planning & Development Deptt: DUHS



ENGR. SYED ABDULLAH SABIR
Executive Engineer
Works & Services Department
Dow University of Health Sciences
Karachi

7. **Mr. Faisal Ghous Shah**
Manager Treasury / Member PC
DUHS – Karachi.

BIDDERS WITH NAME OF REPRESENTATIVE

1. **Mr. Shah Faisal**, DGM M/s. Allmed Solutions

Meeting started with recitation from the Holy QUR'AN. Chair welcomed the participants and then commenced the proceedings. Forum was apprised that the technical specifications and bidding documents were approved by the procurement committee in its meeting held on December 2nd, 2022 and subsequently IFB / NIT No. DUHS/DP/2023/230 Dated 1st March 2023 was hoisted on the DUHS and SPPRA websites at PPMS ID No. T00582-22-0025 and the same was published in 3 widely circulated leading dailies of English, Urdu and Sindhi languages viz. Daily Dawn, Daily Jang and Daily Jeejal on 06 March 2023.

The participants were informed that only one bidder i.e. M/s. Allmed Solutions, Karachi purchased the bidding documents and submitted their bid up to the bid submission deadline viz. 21 March 2023 at 11:00 a.m. Director Procurement (DP) asked the bidder that "do you have any reservation or query regarding the bidding documents or bid process". In response to the question of DP no reservation or query was highlighted by Mr. Shah Faisal.

It was briefed to the participants that initially, only Technical Bid / Proposal will be opened and evaluated in a manner prescribed in bidding documents, without reference to the price and reject any proposal which does not conform to the specified requirements. Financial Bids / Proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance. Financial Bids / Proposals found technically disqualified / non-responsive shall be returned un-opened to the respective bidder(s). Accordingly, prior to evaluate bid in depth, preliminary examination of the bids was made by the Procurement Committee.

Bidders were informed that the detailed technical evaluation will be carried-out, and thereafter Financial Bids of the technically qualified bidders shall be opened in presence of the bidder's representative.

Meeting ended with the vote of thanks to and from the chair.

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DUHS – Karachi.

Syed Zain ul Abedin Shah
Director Finance / Chairman PC
Dow University of Health Sciences, Karachi

Syed Zain ul Abedin Shah
Director Finance
Dow University of Health Sciences

MINUTES OF FINANCIAL BID / PROPOSALS OPENING MEETING

Date & Time: 11 April 2023 at 11:00 a.m.

Venue: Office of the **Chairman, Procurement Committee**, at Finance Directorate, Third Floor of Administration Building, Dow University of Health Sciences (DMC Campus), Baba-e-Urdu Road, Near Civil Hospital, Karachi.

A meeting was held under the chair of Mr. Syed Zain ul Abedin Shah, Director Finance / Chairman Procurement Committee, to open and evaluate the financial bids for the **Procurement of Low Energy Cyclotron along with Allied Equipment and Facility Construction on Turnkey Basis for the Establishment of Department of Nuclear Medicine at Ojha Campus of Dow University of Health Sciences, Karachi** invited vide IFB / NIT No. DUHS/DP/2023/230 Dated 1st March 2023.


The participants include:

PROCUREMENT COMMITTEE:


1. **Syed Zain ul Abedin Shah**
Director Finance / Chairman PC
Dow University of Health Sciences, Karachi


Syed Zain ul Abedin Shah
Director Finance
Dow University of Health Sciences

2. **Syed Shafqat Hussain**
Director Procurement / Member PC
DUHS – Karachi


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Procurement Directorate
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Maseeh uz Zaman MD, FASNC (USA), FRCP (Edin MBBS, MS, FCPS (Pak), FEBNM (EU), DCBNC (USA) Professor & Section Head Nucl Med & PET/CT Imaging, Department of Radiology, AKUH, Karachi, Pakistan

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Planning & Development Deptt: DUHS



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BIDDERS WITH NAME OF REPRESENTATIVE

1. **Mr. Shah Faisal**, DGM M/s. Allmed Solutions

Meeting started with recitation from the Holy QUR'AN. Chair welcomed the participants and then commenced the proceedings. Forum was apprised that the IFB / NIT No. DUHS/DP/2023/230 Dated 1st March 2023 was hoisted on the DUHS and SPPRA websites at PPMS ID No. T00582-22-0025 and the same was published in 3 widely circulated leading dailies of English, Urdu and Sindhi languages viz. Daily Dawn, Daily Jang and Daily Jeejal on 06 March 2023.

It was informed to the bidder that their technical bid was found responsive to the qualification and evolution criteria given in the bidding documents. The qualifying score of M/s. Allmed Solutions was 79 marks / points against minimum required score of "70" marks / points. Hence, their bid has been accepted and qualified for further evaluation.

As per the agenda, the final proposal of technically qualified bidder was taken into the consideration by the committee exclusively. The rates quoted by the bidders were read aloud along with amount of 1% bid security attached by the bidder. Each rate in the comparative statement was confirmed from the original bid by the committee and recommendations were made, which were documented in the Bid Evaluation Report (BER).

Following is the detail of bid security submitted by the bidder:

S. No.	Name of Bidder	Total Bid Amount	Amount of Bid Security (1%)	Bank instrument No.	Date	Bank
1	M/s Allmed Solutions	USD 2,480,000 (PKR 697,624,000)	11,300,000	LG No. MD23079609170048	20-03-2023	The Bank of Khyber Garnet Centre, Block-8, Corporate Branch Clifton, Karachi
		PKR 474,196,300	1,200,000	PO No. 4826824	20-03-2023	Standard Chartered Bank (024) Gulshan-e-Iqbal Branch, Karachi.

Meeting ended with the vote of thanks to and from the chair.

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Dow University of Health Sciences
Karachi

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DUHS – Karachi

Syed Zain ul Abedin Shah
Director Finance / Chairman PC
Dow University of Health Sciences, Karachi
Syed Zain ul Abedin Shah
Director Finance
Dow University of Health Sciences

COMPARATIVE STATEMENT AND PURCHASE RECOMMENDATION / PROPOSAL

PROCUREMENT OF LOW ENERGY CYCLOTRON ALONG WITH ALLIED EQUIPMENT AND FACILITY CONSTRUCTION ON TURNKEY BASIS FOR THE ESTABLISHMENT OF DEPARTMENT OF NUCLEAR MEDICINE AT OJHA CAMPUS OF DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI

NIT / IFB NO. DUHS/DP/2023/230 Dated 1st March 2023

TECHNICAL BIDS OPENED ON 21 March 2023 ----- FINANCIAL BIDS OPENED ON 11 APRIL 2023

Item No.	Name of Equipment / Instruments	Qty.	Bidder	Model / Cat No.	Make	Country of Origin	Port of Shipment	Curr.	Unit Price C&F (F.C)	Total Price C&F (F.C)	Unit Price DDP (PRS.)	Total Price DDP (PRS.)	Grading	Recommendations/ Remarks	
1	LOW ENERGY CYCLOTRON Including following: a. Positive Ion Cyclotron b. FDG Chemistry Production Module (CPM) c. Quality Control Module (QCM) d. FDG Start-up Kit (For 500 Scans)	1 No.	ALLMED SOLUTIONS	BG 75	Best ABT Molecular Imaging Inc.	USA	USA	USD	2,480,000	2,480,000	-	-	1	Recommended to purchase being the most advantageous responsive bid, excluding the optional item of 750 KVA Diesel Gen Set	
	THIRD PARTY ITEMS	Multiple		Multiple	Multiple	USA/EU	EU/USA/ UAE								
e.	Equipment for Radiation Protection, Safety and Monitoring				APC or Equivalent	China	UAE								
f.	100 KVA UPS	1 No.			KKT Chillers	Germany	EU/UAE								
g.	Water Cool Chiller	2 No.		cBOX 40											
h.	BG-75 Rigging, Testing and Installation														
A.	OPTIONAL ITEM Chemistry Production Module	1 No.		F-PSMA Chemistry Production	ORANEPTIS	EU	EU/UAE							F-PSMA C Chemistry Production Module offered on FOC Basis	
TOTAL ITEM NO. 01 (C&F Price in USD)															
TOTAL ITEM NO. 01 (C&F Price in PKR) 1 USD = PKR 281.30 as per the NBP FX Rates Sheet as on 13-03-2023															
2	SITE CONSTRUCTION & PREPARATION FOR EQUIPMENT	1	Job ALLMED SOLUTIONS												
a.	Civil Works				As per sample approved by the DUHS	Local		PKR				167,325,904			
b.	Electrical Works				As per sample approved by the DUHS	Local		PKR				87,089,885			
c.	Plumbing Works				As per sample approved by the DUHS	Local		PKR				14,110,635			
d.	Fire Fighting Works				As per sample approved by the DUHS	Local		PKR				1,617,560			
e.	Underground Water Tank & Pumps				As per sample approved by the DUHS	Local		PKR				24,765,786			
f.	HVAC Works				As per sample approved by the DUHS	Local		PKR				116,075,313			
g.	External Development Area				As per sample approved by the DUHS	Local		PKR				19,632,217			
h.	Other				As per approved Bid	---		PKR				43,599,000			
A.	OPTIONAL ITEM 750 KVA Diesel Gen Set				ITEM DROPPED										
TOTAL ITEM NO. 02 (DDP Price in PKR)															
TOTAL ITEM NO. 02 (DDP Price in PKR)															

NOTE: ITEM NO. 02 = Prices are excluding Sales Tax.

Faisal Ghouse Shah
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DUHS - Karachi.

Engr. Syed Abdullah Shah Sabir
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Planning & Development Deptt:
Stereotactic Radiosurgery Centre

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Director Finance
Dow University of Health Sciences

(FORM D)
COMPLIANCE SHEET/TECHNICAL EVALUATION SHEET

Name the Bidder:	ALLMED SOLUTIONS	
Make/Manufacturer:	Best ABT	
Model:	BG-75	Year of introduction: 2006
Country of Origin:	United States of America	
Country of Manufacturing:	United States of America	
Country of Major parts sourcing:	United States of America	
Use full life as per manufacturer (in Years):	10 years	
CE (MDD) link:	Enclosed with technical offer	
FDA(US) Link:	Not Applicable / Doesn't fall under medical device category.	
JIS/MHLW Link:	Not Applicable / Doesn't fall under medical device category.	
ISO 13485 Link:	Not Applicable	
<u>PRE-INSTALLATION REQUIREMENT</u>		
Electrical Connection:	3Phase, 400V (3P+G+N)	
Grounding:	Isolated Ground (Resistance<1 Ohm)	
Backup Supply:	U.P.S with 10mins-20mins backup	
Water (RO/DI with flow):	Water Supply in Chemistry and QC Room	
Drain:	One in Cyclotron Room	

Any other Requirement: ENGR. TARIQ AHMED
 DEPUTY DIRECTOR
 BIOMEDICAL ENGINEERING DEPT.
 DUHS - KARACHI

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Maseeh-Uz-Zaman MD, FASNC(USA), FRCP (Edin)
 MBBS, MS, FCPS (Pak), FEBNM (BU), DCBNC (USA)
 Professor & Section Head Nucl Med & PET/CT Imaging,
 Department of Radiology, AKUH, Karachi, Pakistan.

S#	Tender Specification	Offered Specification	Page # of the Supporting Document / Comments
1.	<p>Low Energy Cyclotron Low Energy Particle Accelerator/Cyclotron. The device for purchase is a self-shielded low energy accelerator (cyclotron) generating a proton beam for the bombardment of a liquid target to produce positron emitting isotope. The positron emitting fluorine-18 isotope will then be transferred to a synthesis device which allows incorporation of the radioactive isotope into a molecule or biomarker which can be used for in vivo biomedical imaging in conjunction with a PET scanner.</p> <p>Scope of Work Equipment to be provided and installed consists of the following: Medical accelerator/cyclotron, radiation shielding, control workstation, monitors, power supplies, target system, vacuum system, automated chemistry synthesis module, automated quality control, and Shielded delivery system. All systems shall be capable of being housed within a maximum of 8m x 8m space, with operator access during normal operation.</p>	<p>LOW ENERGY PRACTICLE ACCELERATOR / CYCLOTRON 01</p> <ul style="list-style-type: none"> All Complied 7.5 MeV Self-shielded Based on proton beam bombardment on liquid target to produce fluorine 18 isotope 	<ul style="list-style-type: none"> Refer to Brochure of Dose on Demand (pg. No. 2. Point No. 1, No. 2, No. 3 & No. 4) (Attached in Technical offer)
2.	<p>Cyclotron Parameters</p> <ul style="list-style-type: none"> The system should be self-shielded and housed in an 8m x 8m x 3m (height) space or less space. Operator should also be able to operate all equipment in automated or manual mode for diagnostic And maintenance purposes. System should be able to accelerate beam energy between 7-10 MeV under completely automated And manual sequencing. Magnetic field from the cyclotron should not be greater than 1.6T The vacuum system must be highly reliable and simple to maintain and environment friendly. <p>ENGINEER ABU AHMED DEPUTY DIRECTOR BIOMEDICAL ENGINEERING DEPT. DOW UNIVERSITY OF HEALTH SCIENCES KARACHI Engr. Syed Abdullah Shah Sabir Executive Engineer / Member PC P & D Deptt: DUHS – Karachi</p>	<p>SCOPE OF WORK Provision and Installation of the following</p> <ul style="list-style-type: none"> Cyclotron Radiation Shielding Control workstation Monitors Power Supplies Target System Vacuum System Automated Chemistry synthesis module, automated quality control and shielded delivery system Self-shielded Can be housed in an area \leq of 8m x 8m x 3m. Yes, Operator will be able to operate all equipment in automated or manual mode for diagnostic and maintenance purposes. Yes, Beam Energy 7.5 MeV Magnetic Field is 1.2T average. Turbo vacuum system environmental friendly technology. Yes, Single beam mode. Yes, Equipped with one proton source. Yes, All available and compliant, and built-in production module. <p>Dr. M. Atif Mansha Assistant Professor / Member PC Radiation Oncology Gamma Knife Stereotactic Radiosurgery Centre, DUHS - Karachi</p>	<ul style="list-style-type: none"> For required area, refer to Technical Specification of ABT Point No. 3 (Attached in Technical) For beam energy, refer to Brochure of Dose on Demand (Pg. No. 2, Point No. 4) & Technical <p>Maseeh Uz Zaman MD, FASNO (ASST. PHYSICIAN) No. 1090, MS:RCPS (Pak), FEBNM (ASST. PHYSICIAN) Professor & Section Head Nucl Med & PET/CT Imaging, Department of Radiology, AKUH, Karachi, Pakistan.</p>

S#	Tender Specification	Offered Specification	Page # of the Supporting Document / Comments
3.	<p>Technology.</p> <ul style="list-style-type: none"> The Cyclotron should operate in single beam mode. The Cyclotron should be equipped with one proton source. The control operations shall include one computer workstation with online printer. It shall not require Any other individual workstation to run each of the major systems or subsystems. The work station should also have software based remote access which allows supervision and diagnostic From any location where internet is available. The workstation environment shall provide a simple And automated scheme to record, recall, and display & graph parameter information. System should be capable of producing 40-60 mCi or better of [18F] in 1 Hour production cycle Utilizing <350 ul of O-18 water per production run. Cyclotron power consumption shall be less than ≤25kVA. <p>Target System</p> <ol style="list-style-type: none"> O-18 target for production of 18F (01 Active + 01 Spare) Qty 02 Target body should be TANTALUM. Targets should be easily replaced/rebuilt so as not to significantly impact operation An integrated system to automatically transfer product from target to the chemistry system is required. <ul style="list-style-type: none"> Target should be water cooled. Target foil must be of HAVAR. Target current should be ≤6uA. 	<ul style="list-style-type: none"> Yes, Capable of producing 40-60 mCi or in 1 Hour production cycle utilizing <300ul of O-18 water per production run. Yes, Power consumption ≤ 25KVA 	<ul style="list-style-type: none"> For magnet, refer to Technical Specification of ABT Molecular Imaging, Point No. 2 (Attached in Technical) For activity, refer to Technical Specification of ABT Molecular Imaging, Point No. 4 (Attached in Technical) All other points are complied
4.	<p>Shielding and Safety System</p> <ol style="list-style-type: none"> The accelerator must be adequately shielded. The shield must be capable of reducing exposure from both gamma photons and neutrons to a level acceptable by the safety standards. Neutron shielding should be integrated with the shielding system of cyclotron. 	<p>Target System:</p> <ul style="list-style-type: none"> O18 target for production of 18F (1Active+1Spare). Qty 02 Target body is Tantalum. Target is easily Replaced/rebuilt and not to significantly impact operation. System automatically transfers product from target to chemistry system. Target is water cooled. Target foil is HAVAR. Target current is ≤ 6uA. <p>Shielding and Safety System:</p> <ul style="list-style-type: none"> Adequately shielded from both gamma photons and neutrons as per safety standards. Neutron shielding integrated with the shielding system of cyclotron. 	<ul style="list-style-type: none"> For target body material, refer to Technical Specification of ABT Molecular Imaging, Point No. 4 For target current, refer to Technical Specification of ABT Molecular Imaging, Point No. 4 For shielding, refer to Refer to Technical Specification of ABT Molecular Imaging, Point No. 4
4.	<p>Shielding and Safety System</p> <ol style="list-style-type: none"> The accelerator must be adequately shielded. The shield must be capable of reducing exposure from both gamma photons and neutrons to a level acceptable by the safety standards. Neutron shielding should be integrated with the shielding system of cyclotron. 	<p>Target System:</p> <ul style="list-style-type: none"> O18 target for production of 18F (1Active+1Spare). Qty 02 Target body is Tantalum. Target is easily Replaced/rebuilt and not to significantly impact operation. System automatically transfers product from target to chemistry system. Target is water cooled. Target foil is HAVAR. Target current is ≤ 6uA. <p>Shielding and Safety System:</p> <ul style="list-style-type: none"> Adequately shielded from both gamma photons and neutrons as per safety standards. Neutron shielding integrated with the shielding system of cyclotron. 	<ul style="list-style-type: none"> For target body material, refer to Technical Specification of ABT Molecular Imaging, Point No. 4 For target current, refer to Technical Specification of ABT Molecular Imaging, Point No. 4 For shielding, refer to Refer to Technical Specification of ABT Molecular Imaging, Point No. 4

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S#	Tender Specification	Offered Specification	Page # of the Supporting Document / Comments
<p>c) The accelerator shielding must be of sufficient thickness and in appropriate locations such that the radiation fields at the interior walls of the cyclotron room are < 1.0 mR/hr.</p> <p>d) Cyclotron must have an interlock system which prohibits the operation of cyclotron if the Accelerator or the self-shield is not properly closed.</p>	<p>• Accelerator shielding is of sufficient thickness. Radiation field at the interior walls of the cyclotron room < 1.0 mR/hr</p> <p>• Yes, Cyclotron system has multiple interlock system</p>	<p>• All other points are complied</p>	
<p>5. Automated Radiochemistry Include a fully integrated automated self-shielded chemistry module for FDG production housed in suitable shielding providing low radiation field as per safety standards. (18F) FDG Chemistry Module will utilize a card or cassette-based consumable for FDG dose production. Card or cassette should be manufactured by the same manufacturer as of Cyclotron or at least the cards/cassette source should be recommended by manufacturer of the system in order to minimize the production-run failure. Includes a fully automated and integrated Quality Control Module capable of performing necessary QC test:</p> <ul style="list-style-type: none"> • pH. • Radiochemical purity. • Quantity of Residual Solvents. • Filter Integrity Test. • Radiochemical Identity. • Chemical Purity. <p>Includes equipment for the following manual QC tests including:</p> <ul style="list-style-type: none"> • Radionuclides Identity System for measuring Dose rate up to 06 Ci (250 GBq) Qty. 01 • Radionuclides Purity System with a drilled well high sensitivity Sodium Iodide (NaI) detector. Qty. 1 • Bacterial endotoxin test System. Qty. 1 <p>Cartridge Sensitivity Range, Lambda = Lowest Value (0.05)</p>	<p>Automated Radiochemistry:</p> <ul style="list-style-type: none"> • Fully integrated automatic chemistry system. • Shielded • Chemistry system uses card/cassette system. • Cassette based consumable for 18F (FDG) dose. • Cards or cassettes manufactured by the manufacturer of Cyclotron. <p>Automated Quality Control Module: Includes a fully automated and integrated Quality Control Module capable of performing following necessary QC test:</p> <ul style="list-style-type: none"> • pH • Radiochemical purity • Quantity of Residual Solvents • Filter Integrity Test • Radiochemical Identity • Chemical Purity <p>Other Quality Control Equipment:</p> <ul style="list-style-type: none"> • Includes equipment for the following manual QC tests including: • Radionuclides Identity System for measuring Dose rate up to 06 Ci (250 GBq) Qty. 01. • Radionuclide Purity System with a drilled well high sensitivity Sodium Iodide (NaI) Qty. 1. • Bacterial endotoxin test System. Qty. 1 • Cartridge Sensitivity Range, Lambda = Lowest Value (0.05) 	<ul style="list-style-type: none"> • For integrated Quality Control Module, refer to Dose on Demand Technical Specification, Point 5 (Attached in Technical) • For other Quality Control Equipment, refer to Attached Brochures (CRC 55Tw) (point 1) • (CRC 55Tw) (point 2) • (Endosafe nexgen-PTS) (Page. No. 2) 	
<p>Includes equipment for the following manual QC tests including:</p> <ul style="list-style-type: none"> • Radionuclides Identity System for measuring Dose rate up to 06 Ci (250 GBq) Qty. 01 • Radionuclides Purity System with a drilled well high sensitivity Sodium Iodide (NaI) detector. Qty. 1 • Bacterial endotoxin test System. Qty. 1 <p>Cartridge Sensitivity Range, Lambda = Lowest Value (0.05)</p>	<p>including:</p> <ul style="list-style-type: none"> • Radionuclides Identity System for measuring Dose rate up to 06 Ci (250 GBq) Qty. 01. • Radionuclide Purity System with a drilled well high sensitivity Sodium Iodide (NaI) Qty. 1. • Bacterial endotoxin test System. Qty. 1 • Cartridge Sensitivity Range, Lambda = Lowest Value (0.05) 	<p>Value (0.05) Zaman MD, FASNC (USA), FRCP (Edin) MBBS, MS, FCPS (Pak), FEBNM (EU), DCBNC (USA) Professor & Section Head Nucl Med & PET/CT Imaging, Department of Radiology, AKUH, Karachi, Pakistan.</p>	

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6.	<p>Chiller Unit Compatible Chiller with backup. Details of the quoted unit must be provided.</p>	<p>Chiller Unit:</p> <ul style="list-style-type: none"> Compatible Chiller with backup Chiller capable of supplying chilled water at a temperature of 7 Degree Centigrade with water Flow (38 L/min) and Inlet pressure 40psi to 50psi. 	<ul style="list-style-type: none"> Refer to Chiller's Brochure (Page No. 1 & 2)
7.	<p>Site Planning</p> <ul style="list-style-type: none"> Bidder shall provide an accurate layout plan for the Cyclotron. Logical workflow and radiation safety norms should be adhered to in the layout. Layout: All components required for radiopharmaceutical production and quality control, including the accelerator system and radiochemistry system, is capable of fitting in an 8m x 8m space or less space. Shielding: The accelerator and chemistry module should provide adequate shielding to minimize radiation field to < 1.5mR/hr. at room boundary. <p>Electrical Requirement:</p> <ul style="list-style-type: none"> 400VAC 50Hz Three Phase system (3Phase + Neutral + P.E) provided by the bidder. Isolated ground will be constructed by the bidder as per manufacturer recommendation. <p>UPS: Compatible UPS with 10-20 minutes backup time – Qty. 01 No.</p>	<p>Site Planning:</p> <ul style="list-style-type: none"> Yes, Shielded, < 1.5mR/hr. at room boundary All complied. <p>Electrical Requirement:</p> <ul style="list-style-type: none"> 400VAC 50Hz, Three Phase system (3Phase + Neutral + P.E). Isolated ground as per manufacturer's recommendation. <p>UPS:</p> <ul style="list-style-type: none"> Compatible UPS with 10-20 minutes backup time <p>Qty. 01 No.</p>	<ul style="list-style-type: none"> For shielding, refer to Dose on Demand Technical Specification, Point 7 (Attached in Technical)
	<p>Floor Loading: The weight of the cyclotron system including accelerator and shielding must be ≥ 30 Ton (30000 Kg)</p> <p>Testing : Successful bidder will conduct on-site Acceptance Testing to confirm the following: <ul style="list-style-type: none"> That the user interface for controlling the accelerator is complete, correct, and properly Documented. Integrity of radiation shields. Function and performance of targets. Performance of automated chemistry module. </p>	<p>Floor Loading: The weight of the cyclotron system including accelerator and shielding is ≤30 Ton</p> <p>Testing : Will conduct on-site Acceptance Testing to confirm the following: <ul style="list-style-type: none"> That the user interface for controlling the accelerator is complete, correct, and properly Documented. Integrity of radiation shields. Function and performance of targets. </p>	<ul style="list-style-type: none"> For floor loading, refer to Dose on Demand Technical Specification, Point 8 (Attached in Technical) Complied

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8.	<p>• Performance of automated quality control for each FDG dose.</p> <p>• Integrated computer operation.</p> <p>Radiation Monitoring and Protection Equipment</p> <ul style="list-style-type: none"> • Neutron Detector for Measurement Range: 0–100 mSv/h Qty 01 • Area Monitor for Measurement range: 1.0 µSv/hr to 10 mSv/hr Qty 01 • Radiation Survey Meter with probe for Dose measurement range: 0.01 µSv to 10 Sv Qty 01 • Electronic Personal Dosimeter for Dose measurement range: 0.01 µSv to 100 Sv Qty 01 • L-Block Shield, Dimensions: 14" w x 18" h x 21" .5 d Qty 01 • Dose Carrier: to house ≤16ml vial Qty 01 • Syringe Carrier with shielding: 3cc, 5cc and 10cc Qty 01 • Lead Bin with Dimensions: 12" x 12" x 18": Volume: 15 Liters Qty 01 • Lead Bricks with Dimensions 6" x 4" x 2" ; Weight: 6kg or better Qty 70 	<p>• Performance of automated chemistry module.</p> <p>• Performance of automated quality control for each FDG dose.</p> <p>• Integrated computer operation.</p> <p>Radiation Monitoring and Protection Equipment. All will be provided:</p> <ul style="list-style-type: none"> • Neutron Detector for Measurement Range: 0–100 mSv/h Qty 01 • Area Monitor for Measurement range: 1.0 µSv/hr to 10 mSv/hr Qty 01 • Radiation Survey Meter with probe for Dose measurement range: 0.01 µSv to 10 Sv Qty 01 • Electronic Personal Dosimeter for Dose measurement range: 0.01 µSv to 100 Sv Qty 01 • L-Block Shield, Dimensions: 14" w x 18" h x 21" .5 d Qty 01 • Dose Carrier: to house ≤16ml vial Qty 01 • Syringe Carrier with shielding: 3cc, 5cc and 10cc Qty 01 • Lead Bin with Dimensions: 12" x 12" x 18": Volume: 15 Liters Qty 1 • Lead Bricks with Dimensions 6" x 4" x 2" ; Weight: 6kg or better Qty 70 	<p>Refer to attached brochures</p> <ul style="list-style-type: none"> • BERTHOLD LB6411 Neutron Dose Rate Monitor (Page No.4) • CAP-RAD Smart Area Monitor (Page No. 2) • RDS-31 (SURVEY Meter & GMP-25). (Page No.2) • DMC 3000. (Page No.2)
9.	<p>Chemical for Target Cleaning (for Initial Use) (Four Liter each)</p> <ul style="list-style-type: none"> • Water, HPLC Grade for chemistry processes and target cleaning (4 Liters each) • Chloroform, ACS Grade for cleaning targets. • Acetone. • Methanol. • Isopropyl Alcohol. <p>Gases</p> <ul style="list-style-type: none"> • Argon Gas Cylinder Size 300 ft³ (8500 L), Minimum purity of 99.999% and Pressure ≥ 2500 psi (17 MPa) Qty 03 • Hydrogen Gas Cylinder Size 35 ft³ (1000L) cylinder , Minimum purity of 99.9999% and Pressure ≥2000 psi (13.8 MPa) Qty 01 	<p>Chemical for Target Cleaning (for Initial Use) (Four Liter each) .All will be provided:</p> <ul style="list-style-type: none"> • Water, HPLC Grade for chemistry processes and target cleaning (4 Liters each) • Chloroform, ACS Grade for cleaning targets. • Acetone. • Methanol. • Isopropyl Alcohol. <p>Gases</p> <ul style="list-style-type: none"> • Argon Gas Cylinder Size 300 ft³ (8500 L), Minimum purity of 99.999% and Pressure ≥ 2500 psi (17 MPa) Qty 03 • Hydrogen Gas Cylinder Size 35 ft³ (1000L) cylinder , Minimum purity of 99.9999% and Pressure ≥2000 psi (13.8 MPa) Qty 01 	<ul style="list-style-type: none"> • Complied

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10.	<p>Others</p> <ul style="list-style-type: none"> Medical Grade Refrigerator + Freezer Combined. Refrigerator (02 to 08 degree Celsius). Freezer (-20 to -40 degree Celsius) Qty 01 Sharps Container for needle, razor blade, etc., disposal Qty 01 Ultrasonic Cleaner for cleaning activated target bodies Qty 01 Earth Pit Bin Cover of Lead Shielding (15 x 15 x 0.5 inches) Qty 02 Printer <p>Training</p> <p>Training for Two (02) End-users shall be arranged by the successful bidder at any functional site of the quoted system whereas training for one (01) Biomedical personnel of procuring agency shall be provided at factory.</p>	<p>Others. All will be provided:</p> <ul style="list-style-type: none"> Medical Grade Refrigerator + Freezer Combined. Refrigerator (02 to 08 degree Celsius). Freezer (-20 to -40 degree Celsius) Qty 01 Sharps Container for needle, razor blade, etc., disposal Qty 01 Ultrasonic Cleaner for cleaning activated target bodies Qty 01 Earth Pit Bin Cover of Lead Shielding (15 x 15 x 0.5 inches) Qty 02 Printer <p>Yes, Training will be organized as per the mentioned clause.</p>	<ul style="list-style-type: none"> For refrigerator, refer to Brochure of Haier HYCD-282A (Page No.2)
11.	<p>Start-up Kit, Cards etc.</p> <p>Successful bidder shall provide start-up kits / cards, with the adequate Shelf Life, acceptable to the Procuring agency to perform 500 Patients' scan including kits for dry run during commissioning phase.</p>	<p>Start-up Kit, Cards:</p> <p>Yes, Will be provided to scan 500 patients as per tender terms</p>	<ul style="list-style-type: none"> Complied
12.	<p>Warranty</p> <p>Equipment should be covered under warranty includes service and spare parts for 03 years from the date of installation and acceptance by the procuring agency. Bidder shall maintain the sufficient inventory of the spare parts and ancillaries required frequently to ensure the minimum uptime of the equipment.</p>	<p>Warranty</p> <p>Equipment is covered under warranty includes service and spare parts for 03 years from the Date of installation and acceptance by the procuring agency spare parts will be maintained as per the mentioned clause.</p>	<ul style="list-style-type: none"> Complied
13.	<p>Operational Support for (01) One Year</p> <p>The successful bidder shall also depute one (01) trained personnel to the site for a period of 01 year for the production of the Dose ready to administer to the patients.</p>	<p>Operational Support for (01) One Year Agreed:</p> <p>In compliance with Tender, we will depute one (01) trained personnel to the site for a period of 01 year for the production of the Dose ready to administer to the patients.</p>	<ul style="list-style-type: none"> Complied
14.	<p>ENGR. SYED ABDULLAH SABIR Executive Engineer Works & Services Department Dow University of Health Sciences Karachi</p> <p>ENGR. TARIQ AHMED DEPUTY DIRECTOR BIOMEDICAL ENGINEERING DEPT. DOW UNIVERSITY OF HEALTH SCIENCES</p> <p>Engr. Tariq Ahmed Deputy Director / Member PC DUHS – Karachi</p> <p>Engr. Syed Abdullah Sabir Executive Engineer / Member PC P & D Dept: DUHS – Karachi</p>	<p>Dr. M. Atif Mansha Assistant Professor / Member PC Radiation Oncology Gamma Knife Stereotactic Radiosurgery Centre, DUHS - Karachi</p> <p>Prof. Maseef Uz Zaman Professor of Radiology / Member PC Nuclear Medicine and PET-CT Imaging Aga Khan University, Karachi</p>	<p>ENGR. M. ASHRAF UZ ZAMAN MD, FASNC (USA), FRCP (Edin) DR. M. ASHRAF UZ ZAMAN MS, FCPS (Pak), FEBNM (EU), DCBNC (USA) PROFESSOR & Section Head Nucl Med & PET/CT Imaging, Department of Radiology, AKUH, Karachi, Pakistan.</p>

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	SPECIAL REQUIREMENTS		
1.	<p>Post Warranty Annual Maintenance Charges The bidder shall separately quote the price of post-warranty annual maintenance / service charges for the 10 years in term of %age for total contract value of the equipment as per below break-up.</p> <ol style="list-style-type: none"> 1. Comprehensive Annual Maintenance including spare parts and labor (services). 2. Annual Service Level Agreement for Hardware & Software Upgrades. 3. Allied Accessories and Third-Party Items. 	Quoted separately	Yes Agreed Quoted in Financial Offer.
2.	<p>Site Construction & Preparation for Equipment The bidder shall submit exact layout as per the requirements of the quoted equipment and the guidelines of the regulatory bodies i.e. PNRA etc. The offer shall include construction of the following modalities for the Department of Nuclear Medicine including interior & exterior finishing along with all mandatory furniture & fixture and safety equipment: 1. PET-CT Scanner along with allied rooms. 2. Self-Shielded System along with allied rooms. 3. Gamma-Camera along with allied rooms. 4. Radiology Suite. The design shall include all mandatory & allied facilities to accommodate the staff, visitors and patients i.e. Reception, Waiting Area, Toilets, Record Rooms. The bidder shall design / quote complete HVAC system as per the requirements of the quoted equipment and allied facilities / rooms.</p>	Quoted separately	Yes Agreed
3.	750 KVA Diesel Gen Set	Quoted separately	Item Dropped by the DUHS
4.	All the civil works and allied services will be carried-out by the Bidder / Supplier of the main equipment, as the tender is on TURNKEY BASIS project.		Yes Agreed

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